Sierra Leone

WINNING TEAMS: Mathematics

Questions and Answers for Referees

Primary 6 (Term 2) to support JSS1 Term 2

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Lesson Title: Conversion from Fractions to Decimals		Lesson T	itle: C	Jonve	ersic	on tro	ΜF	ractions to Decimals
Using the long division method. convert the frac	tion $\frac{4}{2}$ into	Answer:						
	5	0.8	00					
a decimal number up to the thousandths place.		5 4.0	00		_			
		- 40						
		40						
			0					
		Answer:	0.80	0				
	o · · ·							
	2 minutes							
		Number			£	. D	:	
Numbers and Numeration; Decimals & Percent (M-06-096)	CODE BB2	Numbers a		umera	ition	; Dec	imal	s & Percent (M-06-096) CODE BB2
Lesson Title: Conversion from Fractions to Decimals		Lesson I	itle: C	Conve	ersic	on fro	mΕ	ractions to Decimals
	10	Answer:		0	0.	7 6	6 0	
Using the long division method; convert the fraction	on $\frac{19}{25}$ into a		2	5 1	9.	0 0	0	
decimal number up to the thousandths place	25			- 0				
	2 minutes			1	9			-
	Z minutes			-	0			_
				1	9	0	_	-
			-	- 1	7	5		-
				_	1	5 (-	_
				-	1	5 (0	-
				_		-	0	-
				_		-	0	Answer: 0.760
Numbers and Numeration, Desirable & Descent (M.OC. 000)						_		
Numbers and Numeration: Decimals & Percent (N-06-096)	CODE BB3	Numbers a	and Ni	umera	ation	: Dec	ımal	
Lesson Title: Conversion from Fractions to Decimals	CODE BB3	Numbers a	and Nu itle: C	umera Conve	ation ersic	; Dec on fro	imal m F	ractions to Decimals
Lesson Title: Conversion from Fractions to Decimals	CODE BB3	Numbers a Lesson T Answer:	itle: C	umera Conve	ersic	; Dec on fro	imal m F	Fractions to Decimals
Lesson Title: Conversion from Fractions to Decimals	CODE BB3	Numbers a Lesson T Answer:	itle: C	umera Conve 0.	ersic 6	; Dec on fro 6 (imal m F	Fractions to Decimals
Lesson Title: Conversion from Fractions to Decimals Using long division, convert the fraction $\frac{2}{3}$ into a r	CODE BB3	Numbers a Lesson T Answer:	itle: C	umera Conve 0. 2.	ersic 6 0	; Dec on fro 6 (0 (imal m F 5	Fractions to Decimals
Lesson Title: Conversion from Fractions to Decimals Using long division, convert the fraction $\frac{2}{3}$ into a red decimal number.	ecurring	Numbers a Lesson T Answer:	itle: C	O. 2.	ersic 6 0	; Dec on fro 6 (0 (imal m F 5	Fractions to Decimals
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Lesson Title: Conversion from Fractions to Decimals Using long division, convert the fraction $\frac{2}{3}$ into a red decimal number.	ecurring	Numbers a Lesson T Answer:	itle: C	0. 2. 1	ersic 6 0 8 2	; Dec on fro 6 (0 (imal im F	Fractions to Decimals
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Lesson Title: Conversion from Fractions to Decimals Using long division, convert the fraction $\frac{2}{3}$ into a red decimal number.	ecurring 2 minutes	Numbers a Lesson T Answer:	3	0. 2. 0 2 1	ersic 6 0 0 8 2 1) Dec on fro 6 (0 (0 8 2 (1 8 2 2 (1 mail m F 5 0 1 1 2	Fractions to Decimals
Lesson Title: Conversion from Fractions to Decimals Using long division, convert the fraction $\frac{2}{3}$ into a redecimal number.	ecurring 2 minutes	Numbers a Lesson T Answer:	3 -	0. 2. 0 2 1	ersic 6 0 0 8 2 1	; Dec n frc 6 (0 (0 (8 2 (1 8 2 (1 mail m F 6 0	Fractions to Decimals
Lesson Title: Conversion from Fractions to Decimals Using long division, convert the fraction $\frac{2}{3}$ into a red decimal number.	ecurring 2 minutes	Numbers a Lesson T Answer:	3	umera Conve 0. 2. 0 2 1	ation ersic 6 0 8 2 1	; Dec n fro 6 (0 (8 2 (1 { 2 ;	m F 5 0	Fractions to Decimals
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Lesson Title: Conversion from Fractions to Decimals Using long division, convert the fraction $\frac{2}{3}$ into a red decimal number.	ecurring 2 minutes	Numbers a Lesson T Answer:	3	Umera Conve	ersic 6 0 8 2 1	; Dec n fro 6 (0 (8 2 (1 {	2	Fractions to Decimals
Lesson Title: Conversion from Fractions to Decimals Using long division, convert the fraction $\frac{2}{3}$ into a redecimal number.	ecurring 2 minutes	Numbers a Lesson T Answer:	3	0. 2. 0 2 1	ation ersic 6 0 0 8 2 1	; Dec n fro 6 (0 (0 8 2 (1 (2 2 (m F 6 0 3 2	Fractions to Decimals
Lesson Title: Conversion from Fractions to Decimals Using long division, convert the fraction $\frac{2}{3}$ into a redecimal number.	ecurring 2 minutes	Numbers a Lesson T Answer:	Ind No	Umera Conve 0. 2. 0 2 1 3 -	ation ersic 6 0 0 8 2 1	; Dec n fro 6 (0 (0 8 2 (1 (2	m F 6 0 3	Fractions to Decimals
Lesson Title: Conversion from Fractions to Decimals Using long division, convert the fraction $\frac{2}{3}$ into a redecimal number.	ecurring 2 minutes	Numbers a Lesson T Answer:	3	Umera Conve 0. 2. 0 2 1	ersic 6 0 0 8 2 1	; Dec n fro 6 (0 (8 2 (1 { 2 ;		Answer: 0.6
Lesson Title: Conversion from Fractions to Decimals Using long division, convert the fraction $\frac{2}{3}$ into a red decimal number.	ecurring 2 minutes	Numbers a Lesson T Answer:	3	0. 2. 0 2 1	ation ersic 6 0 0 8 2 1	; Dec n fro 6 (0 (0 8 2 (1 (2 2 (1 (m F 6 0 3 2	Fractions to Decimals
Lesson Title: Conversion from Fractions to Decimals Using long division, convert the fraction $\frac{2}{3}$ into a redecimal number.	ecurring 2 minutes	Numbers a	Ind No	Umera Conve 0. 2. 0 2 1	ation ersic 6 0 0 8 2 1	; Dec n fro 6 (0 (8 2 (1 (2	m F 6 0 3	Fractions to Decimals
Lesson Title: Conversion from Fractions to Decimals Using long division, convert the fraction $\frac{2}{3}$ into a redecimal number.	ecurring 2 minutes	Numbers a Lesson T Answer:	Ind No	Umera Conve 0. 2. 0 2 1	ersic 6 0 0 8 2 1	; Dec	m F 6 0	Fractions to Decimals
Lesson Title: Conversion from Fractions to Decimals Using long division, convert the fraction $\frac{2}{3}$ into a red decimal number.	ecurring 2 minutes	Numbers a	3	Umera Conve	ation ersic 6 0 0 8 2 1 -	; Dec n fro 6 (0 (0 8 2 (1 (2 2 (1 (2 2 (m F 6 0 3 2	Fractions to Decimals

Numbers and Numeration; Decimals & Percent (M-06-096) CODE BB4	Numbers and Numeration; Decimals & Percent (M-06-096) CODE BB4
Lesson Title: Conversion from Fractions to Decimals	Lesson Title: Conversion from Fractions to Decimals
	Answer: 0 4. 3 3 3
Using long division, convert the mixed fraction $3\frac{4}{2}$ into a	3 1 3. 0 0 0
decimal number up to the thousands place	- 0
	1 3
Tine Convert the mixed fraction into an improve fraction	- 1 2
TIP: Convert the mixed fraction into an improper fraction,	1 0
then use long division.	- 9
	1 0
	- 9
	1 0
2 minutes	
	Allsweit. 4.555
Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB5	Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB5
Lesson Title: Conversion from Decimals to Fractions	Lesson Title: Conversion from Decimals to Fractions
	Answer:
Convert the decimal numbers below into simple fractions:	
	a) $0.250 = \frac{250}{250} = \frac{250 \div 250}{250 \div 250} = \frac{1}{2}$
a) 0.250	1000 1000÷250 4
·	70 70.2 30
b) 0.78	b) 0 . 78 = $\frac{78}{100} = \frac{78 \div 2}{100 \div 2} = \frac{39}{50}$
,	100 100÷2 50
2 minutes	
2 minutes	
Numbers and Numeration, Desimals 9 Dereast (M 06 007) CODE DDC	
	Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB6
Lesson Title: Conversion from Decimals to Fractions	Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB6 Lesson Title: Conversion from Decimals to Fractions
Lesson Title: Conversion from Decimals to Fractions	Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB6 Lesson Title: Conversion from Decimals to Fractions Answer:
Lesson Title: Conversion from Decimals to Fractions Convert the decimal numbers below into improper fractions:	Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB6 Lesson Title: Conversion from Decimals to Fractions Answer:
Lesson Title: Conversion from Decimals to Fractions Convert the decimal numbers below into improper fractions:	Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB6 Lesson Title: Conversion from Decimals to Fractions Answer: 66 66÷2
Lesson Title: Conversion from Decimals to Fractions Convert the decimal numbers below into improper fractions:	Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB6 Lesson Title: Conversion from Decimals to Fractions Answer: a) $0.66 = \frac{66}{100} = \frac{66 \div 2}{100 \div 2} = \frac{33}{50}$
Lesson Title: Conversion from Decimals to Fractions Convert the decimal numbers below into improper fractions: a) 0.66	Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB6 Lesson Title: Conversion from Decimals to Fractions Answer: a) $0.66 = \frac{66}{100} = \frac{66 \div 2}{100 \div 2} = \frac{33}{50}$
Lesson Title: Conversion from Decimals to Fractions Convert the decimal numbers below into improper fractions: a) 0.66	Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB6 Lesson Title: Conversion from Decimals to Fractions Answer: a) $0.66 = \frac{66}{100} = \frac{66 \div 2}{100 \div 2} = \frac{33}{50}$
Lesson Title: Conversion from Decimals to Fractions Convert the decimal numbers below into improper fractions: a) 0.66	Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB6 Lesson Title: Conversion from Decimals to Fractions Answer: a) $0.66 = \frac{66}{100} = \frac{66 \div 2}{100 \div 2} = \frac{33}{50}$ b) $0.88 = \frac{88}{100} = \frac{88 \div 2}{100 \div 2} = \frac{44}{100}$
Lesson Title: Conversion from Decimals to Fractions Convert the decimal numbers below into improper fractions: a) 0.66 b) 0.88	Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB6 Lesson Title: Conversion from Decimals to Fractions Answer: a) $0.66 = \frac{66}{100} = \frac{66 \div 2}{100 \div 2} = \frac{33}{50}$ b) $0.88 = \frac{88}{100} = \frac{88 \div 2}{100 \div 2} = \frac{44}{50}$
Lesson Title: Conversion from Decimals & Percent (M-00-097) CODE BB Convert the decimal numbers below into improper fractions: a) 0.66 b) 0.88	Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB6 Lesson Title: Conversion from Decimals to Fractions Answer: a) $0.66 = \frac{66}{100} = \frac{66 \div 2}{100 \div 2} = \frac{33}{50}$ b) $0.88 = \frac{88}{100} = \frac{88 \div 2}{100 \div 2} = \frac{44}{50}$
Lesson Title: Conversion from Decimals & Percent (M-00-097) CODE BB8 Convert the decimal numbers below into improper fractions: a) 0.66 b) 0.88	Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB6 Lesson Title: Conversion from Decimals to Fractions Answer: a) $0.66 = \frac{66}{100} = \frac{66 \div 2}{100 \div 2} = \frac{33}{50}$ b) $0.88 = \frac{88}{100} = \frac{88 \div 2}{100 \div 2} = \frac{44}{50}$
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Lesson Title: Conversion from Decimals & Percent (M-00-097) CODE BB8 Convert the decimal numbers below into improper fractions: a) 0.66 b) 0.88 Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB7	Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB6 Lesson Title: Conversion from Decimals to Fractions Answer: a) $0.66 = \frac{66}{100} = \frac{66 \div 2}{100 \div 2} = \frac{33}{50}$ b) $0.88 = \frac{88}{100} = \frac{88 \div 2}{100 \div 2} = \frac{44}{50}$ Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB7
Lesson Title: Conversion from Decimals & Percent (M-00-097) CODE BB8 Convert the decimal numbers below into improper fractions: a) 0.66 b) 0.88 2 minutes Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB7 Lesson Title: Conversion from Decimals to Fractions	Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB6Lesson Title: Conversion from Decimals to FractionsAnswer:a) $0.66 = \frac{66}{100} = \frac{66 \div 2}{100 \div 2} = \frac{33}{50}$ b) $0.88 = \frac{88}{100} = \frac{88 \div 2}{100 \div 2} = \frac{44}{50}$ Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB7Lesson Title: Conversion from Decimals to Fractions
Lesson Title: Conversion from Decimals & Percent (M-06-097) CODE BBS Lesson Title: Conversion from Decimals to Fractions a) 0.66 b) 0.88 2 minutes Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB7 Lesson Title: Conversion from Decimals to Fractions	Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB6Lesson Title: Conversion from Decimals to FractionsAnswer:a) $0.66 = \frac{66}{100} = \frac{66 \div 2}{100 \div 2} = \frac{33}{50}$ b) $0.88 = \frac{88}{100} = \frac{88 \div 2}{100 \div 2} = \frac{44}{50}$ Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB7Lesson Title: Conversion from Decimals to FractionsAnswer:
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Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB8	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB8
Lesson Title: Conversion from Fractions to Percentages	Lesson Title: Conversion from Fractions to Percentages
	Answer:
Explain the word percentage .	
	A percentage is a number expressed as a fraction out of
	100 We use the percent sign %.
30 seconds	
00 300103	
Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB9	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB9
Lesson Title: Conversion from Fractions to Percentages	Lesson Title: Conversion from Fractions to Percentages
	Answer:
Convert the fractions into percentages:	
	a) $\frac{14}{20} = \frac{7}{10} = \frac{7\times10}{10\times10} = \frac{70}{100} = 70\%$
$a)\frac{14}{11}$	
/ 20	
6	b) $\frac{6}{10} = \frac{2}{10} = \frac{2 \times 20}{100} = \frac{40}{100} = 40\%$
$0)\frac{1}{15}$	'15 5 5×20 100
2 minutes	
Number and Number atting Designals & Descent (M. 00,000) CODE DD40	
Numbers and Numeration; Decimais & Percent (M-06-098) CODE BB10	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10
Lesson Title: Conversion from Fractions to Percentages	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages
Lesson Title: Conversion from Fractions to Percentages	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Answer:
Lesson Title: Conversion from Fractions to Percentages Convert the percentages below into simple fractions:	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Answer:
Lesson Title: Conversion from Fractions to Percentages Convert the percentages below into simple fractions:	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Answer: a) $120\% = \frac{120}{2} = \frac{120 \div 20}{2} = \frac{6}{2}$
Lesson Title: Conversion from Fractions to Percentages Convert the percentages below into simple fractions: a) 120%	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Answer: a) $120\% = \frac{120}{100} = \frac{120 \div 20}{100 \div 20} = \frac{6}{5}$
Lesson Title: Conversion from Fractions to Percentages Convert the percentages below into simple fractions: a) 120%	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Answer: a) $120\% = \frac{120}{100} = \frac{120 \div 20}{100 \div 20} = \frac{6}{5}$
Lesson Title: Conversion from Fractions to Percentages Convert the percentages below into simple fractions: a) 120% b) 75%	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Answer: a) $120\% = \frac{120}{100} = \frac{120 \div 20}{100 \div 20} = \frac{6}{5}$ $75 = 75 \div 25 = 3$
Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Convert the percentages below into simple fractions: a) 120% b) 75%	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Answer: a) $120\% = \frac{120}{100} = \frac{120 \div 20}{100 \div 20} = \frac{6}{5}$ b) $75\% = \frac{75}{100} = \frac{75 \div 25}{100 \div 25} = \frac{3}{4}$
Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Convert the percentages below into simple fractions: a) 120% b) 75%	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Answer: a) $120\% = \frac{120}{100} = \frac{120 \div 20}{100 \div 20} = \frac{6}{5}$ b) $75\% = \frac{75}{100} = \frac{75 \div 25}{100 \div 25} = \frac{3}{4}$
Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Convert the percentages below into simple fractions: a) 120% b) 75%	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Answer: a) $120\% = \frac{120}{100} = \frac{120 \div 20}{100 \div 20} = \frac{6}{5}$ b) $75\% = \frac{75}{100} = \frac{75 \div 25}{100 \div 25} = \frac{3}{4}$
Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Convert the percentages below into simple fractions: a) 120% b) 75%	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Answer: a) $120\% = \frac{120}{100} = \frac{120 \div 20}{100 \div 20} = \frac{6}{5}$ b) $75\% = \frac{75}{100} = \frac{75 \div 25}{100 \div 25} = \frac{3}{4}$
Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Convert the percentages below into simple fractions: a) 120% b) 75% 2 minutes	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Answer: a) $120\% = \frac{120}{100} = \frac{120 \div 20}{100 \div 20} = \frac{6}{5}$ b) $75\% = \frac{75}{100} = \frac{75 \div 25}{100 \div 25} = \frac{3}{4}$
Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Convert the percentages below into simple fractions: a) 120% b) 75% 2 minutes Numbers and Numeration; Decimals & Percent (M-06-099) CODE BB11	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Answer: a) $120\% = \frac{120}{100} = \frac{120 \div 20}{100 \div 20} = \frac{6}{5}$ b) $75\% = \frac{75}{100} = \frac{75 \div 25}{100 \div 25} = \frac{3}{4}$ Numbers and Numeration; Decimals & Percent (M-06-099) CODE BB11
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Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Convert the percentages below into simple fractions: a) 120% b) 75% 2 minutes Numbers and Numeration; Decimals & Percent (M-06-099) CODE BB11 Lesson Title: Conversion from Percentages to Decimals Convert the following percentages into decimal numbers:	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Answer: a) $120\% = \frac{120}{100} = \frac{120 \div 20}{100 \div 20} = \frac{6}{5}$ b) $75\% = \frac{75}{100} = \frac{75 \div 25}{100 \div 25} = \frac{3}{4}$ Numbers and Numeration; Decimals & Percent (M-06-099) CODE BB11 Lesson Title: Conversion from Percentages to Decimals Answer: a) $175\% = \frac{175}{100} = 1.75$
Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Convert the percentages below into simple fractions: a) 120% b) 75% 2 minutes Numbers and Numeration; Decimals & Percent (M-06-099) CODE BB11 Lesson Title: Conversion from Percentages to Decimals Convert the following percentages into decimal numbers: a) 175%	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Answer: a) $120\% = \frac{120}{100} = \frac{120 \div 20}{100 \div 20} = \frac{6}{5}$ b) $75\% = \frac{75}{100} = \frac{75 \div 25}{100 \div 25} = \frac{3}{4}$ Numbers and Numeration; Decimals & Percent (M-06-099) CODE BB11 Lesson Title: Conversion from Percentages to Decimals Answer: a) $175\% = \frac{175}{100} = 1.75$
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Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Convert the percentages below into simple fractions: a) 120% b) 75% 2 minutes Numbers and Numeration; Decimals & Percent (M-06-099) CODE BB11 Lesson Title: Conversion from Percentages to Decimals Convert the following percentages into decimal numbers: a) 175% b) 13%	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Answer: a) $120\% = \frac{120}{100} = \frac{120 \div 20}{100 \div 20} = \frac{6}{5}$ b) $75\% = \frac{75}{100} = \frac{75 \div 25}{100 \div 25} = \frac{3}{4}$ Numbers and Numeration; Decimals & Percent (M-06-099) CODE BB11 Lesson Title: Conversion from Percentages to Decimals Answer: a) $175\% = \frac{175}{100} = 1.75$
Numbers and Numeration, Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Convert the percentages below into simple fractions: a) 120% b) 75% 2 minutes Numbers and Numeration; Decimals & Percent (M-06-099) CODE BB11 Lesson Title: Conversion from Percentages to Decimals Convert the following percentages into decimal numbers: a) 175% b) 13%	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Answer: a) $120\% = \frac{120}{100} = \frac{120 \div 20}{100 \div 20} = \frac{6}{5}$ b) $75\% = \frac{75}{100} = \frac{75 \div 25}{100 \div 25} = \frac{3}{4}$ Numbers and Numeration; Decimals & Percent (M-06-099) CODE BB11 Lesson Title: Conversion from Percentages to Decimals Answer: a) $175\% = \frac{175}{100} = 1.75$ b) $13\% = \frac{13}{100} = 0.13$
Numbers and Numeration; Decimals & Percent (M-06-096) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Convert the percentages below into simple fractions: a) 120% b) 75% 2 minutes Numbers and Numeration; Decimals & Percent (M-06-099) CODE BB11 Lesson Title: Conversion from Percentages to Decimals Convert the following percentages into decimal numbers: a) 175% b) 13%	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Answer: a) $120\% = \frac{120}{100} = \frac{120 \div 20}{100 \div 20} = \frac{6}{5}$ b) $75\% = \frac{75}{100} = \frac{75 \div 25}{100 \div 25} = \frac{3}{4}$ Numbers and Numeration; Decimals & Percent (M-06-099) CODE BB11 Lesson Title: Conversion from Percentages to Decimals Answer: a) $175\% = \frac{175}{100} = 1.75$ b) $13\% = \frac{13}{100} = 0.13$
Numbers and Numeration; Decimals & Percent (M-06-096) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Convert the percentages below into simple fractions: a) 120% b) 75% 2 minutes Numbers and Numeration; Decimals & Percent (M-06-099) CODE BB11 Lesson Title: Conversion from Percentages to Decimals Convert the following percentages into decimal numbers: a) 175% b) 13%	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Answer: a) $120\% = \frac{120}{100} = \frac{120 \div 20}{100 \div 20} = \frac{6}{5}$ b) $75\% = \frac{75}{100} = \frac{75 \div 25}{100 \div 25} = \frac{3}{4}$ Numbers and Numeration; Decimals & Percent (M-06-099) CODE BB11 Lesson Title: Conversion from Percentages to Decimals Answer: a) $175\% = \frac{175}{100} = 1.75$ b) $13\% = \frac{13}{100} = 0.13$
Numbers and Numeration, Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Convert the percentages below into simple fractions: a) 120% b) 75% 2 minutes Numbers and Numeration; Decimals & Percent (M-06-099) CODE BB11 Lesson Title: Conversion from Percentages to Decimals Convert the following percentages into decimal numbers: a) 175% b) 13%	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10 Lesson Title: Conversion from Fractions to Percentages Answer: a) $120\% = \frac{120}{100} = \frac{120 \div 20}{100 \div 20} = \frac{6}{5}$ b) $75\% = \frac{75}{100} = \frac{75 \div 25}{100 \div 25} = \frac{3}{4}$ Numbers and Numeration; Decimals & Percent (M-06-099) CODE BB11 Lesson Title: Conversion from Percentages to Decimals Answer: a) $175\% = \frac{175}{100} = 1.75$ b) $13\% = \frac{175}{100} = 0.13$

Numbers and Numeration; Decimals & Percent (M-06-100) CODE BB12	Numbers and Numeration; Decimals & Percent (M-06-100) CODE BB12
Lesson Title: Conversion from Decimals to Percentages	Lesson Title: Conversion from Decimals to Percentages
	Answer:
Convert the following decimal numbers into percentages:	
	a) $1230 - \frac{1230 \div 10}{10} - \frac{123}{10} - 1230$
a) 1.230	a) 1.230 - $\frac{1}{1000 \div 10}$ - $\frac{1}{100}$ - 123 70
	74
b) 0.74	b) $0.74 = \frac{74}{100} = 74\%$
	100
2 minutes	
NRN: Evendov Arithmetic: Detic and Dropartion (M.06 126) CODE DD12	NeN: Everyday Arithmatic: Datic and Dropartics (M 06 126) CODE DD12
Nain, Everyddy Antininetic, Ratio and Proportion (N-00-130) CODE BB13	Nain, Everyddy Antininetic, Ratio and Proportion (M-00-150) CODE BB13
	Answer:
Complete the sentence: When two fractions are,	
we say they are in proportion.	When two fractions are <u>equivalent</u> , we say they are in
	proportion.
30 seconds	
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions Answer:
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions Answer:
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions The following fractions are equivalent. Using proportions, find the values of x and y	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions Answer:
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions The following fractions are equivalent. Using proportions, find the values of <i>x</i> and <i>y</i>	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions Answer: a) $\frac{x}{6} = \frac{1}{3}$ by proportionality
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions The following fractions are equivalent. Using proportions, find the values of x and y	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplication
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions The following fractions are equivalent. Using proportions, find the values of x and y a) $\frac{x}{6}$ and $\frac{1}{3}$	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplicationHence: $x = 2$ when dividing both sides by 3.
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions The following fractions are equivalent. Using proportions, find the values of x and y a) $\frac{x}{6}$ and $\frac{1}{3}$	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplicationHence: $x = 2$ when dividing both sides by 3.
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions The following fractions are equivalent. Using proportions, find the values of x and y a) $\frac{x}{6}$ and $\frac{1}{3}$ b) $\frac{3}{6}$ and $\frac{1}{3}$	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplicationHence: $x = 2$ by $\frac{3}{15} = \frac{1}{12}$ by proportionality
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions The following fractions are equivalent. Using proportions, find the values of x and y a) $\frac{x}{6}$ and $\frac{1}{3}$ b) $\frac{3}{15}$ and $\frac{1}{y}$	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplicationHence: $x = 2$ b) $\frac{3}{15} = \frac{1}{y}$ by proportionality $3x = 15$
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions The following fractions are equivalent. Using proportions, find the values of x and y a) $\frac{x}{6}$ and $\frac{1}{3}$ b) $\frac{3}{15}$ and $\frac{1}{y}$	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplicationHence: $x = 2$ when dividing both sides by 3.b) $\frac{3}{15} = \frac{1}{y}$ by proportionality $3y = 15$ by cross-multiplicationHence: $x = 5$ when dividing both sides by 3.
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions The following fractions are equivalent. Using proportions, find the values of x and y a) $\frac{x}{6}$ and $\frac{1}{3}$ b) $\frac{3}{15}$ and $\frac{1}{y}$	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplicationHence: $x = 2$ when dividing both sides by 3.b) $\frac{3}{15} = \frac{1}{y}$ by proportionality $3y = 15$ by cross-multiplicationHence: $y = 5$ when dividing both sides by 3.
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions The following fractions are equivalent. Using proportions, find the values of x and y a) $\frac{x}{6}$ and $\frac{1}{3}$ b) $\frac{3}{15}$ and $\frac{1}{y}$ 2 minutes	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplicationHence: $x = 2$ when dividing both sides by 3.b) $\frac{3}{15} = \frac{1}{y}$ by proportionality $3y = 15$ by cross-multiplicationHence: $y = 5$ when dividing both sides by 3.
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsThe following fractions are equivalent. Using proportions, find the values of x and ya) $\frac{x}{6}$ and $\frac{1}{3}$ b) $\frac{3}{15}$ and $\frac{1}{y}$ 2 minutesN&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplicationHence: $x = 2$ when dividing both sides by 3.b) $\frac{3}{15} = \frac{1}{y}$ by proportionality $3y = 15$ by cross-multiplicationHence: $y = 5$ when dividing both sides by 3.
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions The following fractions are equivalent. Using proportions, find the values of x and y a) $\frac{x}{6}$ and $\frac{1}{3}$ b) $\frac{3}{15}$ and $\frac{1}{y}$ 2 minutes N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15 Lesson Title: Proportion and Fractions	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplicationHence: $x = 2$ when dividing both sides by 3.b) $\frac{3}{15} = \frac{1}{y}$ by proportionality $3y = 15$ by cross-multiplicationHence: $y = 5$ when dividing both sides by 3.N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15Lesson Title: Proportion and Fractions
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsThe following fractions are equivalent. Using proportions, find the values of x and ya) $\frac{x}{6}$ and $\frac{1}{3}$ b) $\frac{3}{15}$ and $\frac{1}{y}$ 2 minutesN&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15Lesson Title: Proportion and Fractions	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplicationHence: $x = 2$ when dividing both sides by 3.b) $\frac{3}{15} = \frac{1}{y}$ by proportionality $3y = 15$ by cross-multiplicationHence: $y = 5$ when dividing both sides by 3.N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15Lesson Title: Proportion and FractionsAnswer:
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsThe following fractions are equivalent. Using proportions, find the values of x and ya) $\frac{x}{6}$ and $\frac{1}{3}$ b) $\frac{3}{15}$ and $\frac{1}{y}$ 2 minutesN&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15Lesson Title: Proportion and FractionsThe following fractions are equivalent.	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplicationHence: $x = 2$ when dividing both sides by 3.b) $\frac{3}{15} = \frac{1}{y}$ by proportionality $3y = 15$ by cross-multiplicationHence: $y = 5$ when dividing both sides by 3.N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15Lesson Title: Proportion and FractionsAnswer:
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsThe following fractions are equivalent. Using proportions, find the values of x and ya) $\frac{x}{6}$ and $\frac{1}{3}$ b) $\frac{3}{15}$ and $\frac{1}{y}$ 2 minutesN&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15Lesson Title: Proportion and FractionsThe following fractions are equivalent. Using proportions, find the values of v and q.	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplicationHence: $x = 2$ when dividing both sides by 3.b) $\frac{3}{15} = \frac{1}{y}$ by proportionality $3y = 15$ by cross-multiplicationHence: $y = 5$ when dividing both sides by 3.N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15Lesson Title: Proportion and FractionsAnswer:a) $\frac{20}{20} = \frac{v}{20}$ by proportionality
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsThe following fractions are equivalent. Using proportions, find the values of x and ya) $\frac{x}{6}$ and $\frac{1}{3}$ b) $\frac{3}{15}$ and $\frac{1}{y}$ 2 minutesN&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15Lesson Title: Proportion and FractionsThe following fractions are equivalent. Using proportions, find the values of v and q.	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplicationHence: $x = 2$ when dividing both sides by 3.b) $\frac{3}{15} = \frac{1}{y}$ by proportionality $3y = 15$ by cross-multiplicationHence: $y = 5$ when dividing both sides by 3.N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15Lesson Title: Proportion and FractionsAnswer:a) $\frac{20}{100} = \frac{v}{5}$ by proportionality100 = 100 vby cross-multiplication
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions The following fractions are equivalent. Using proportions, find the values of x and y a) $\frac{x}{6}$ and $\frac{1}{3}$ b) $\frac{3}{15}$ and $\frac{1}{y}$ 2 minutes N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15 Lesson Title: Proportion and Fractions The following fractions are equivalent. Using proportions, find the values of v and q. a) $\frac{20}{10}$ and $\frac{v}{10}$	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplicationHence: $x = 2$ when dividing both sides by 3.b) $\frac{3}{15} = \frac{1}{y}$ by proportionality $3y = 15$ by cross-multiplicationHence: $y = 5$ when dividing both sides by 3.N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15Lesson Title: Proportion and FractionsAnswer:a) $\frac{20}{100} = \frac{v}{5}$ by proportionality $100 = 100v$ by cross-multiplicationHangen $x = 1$ when dividing both sides by 400
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsThe following fractions are equivalent. Using proportions, find the values of x and ya) $\frac{x}{6}$ and $\frac{1}{3}$ b) $\frac{3}{15}$ and $\frac{1}{y}$ 2 minutesN&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15Lesson Title: Proportion and FractionsThe following fractions are equivalent. Using proportions, find the values of v and q.a) $\frac{20}{100}$ and $\frac{v}{5}$	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplicationHence: $x = 2$ when dividing both sides by 3.b) $\frac{3}{15} = \frac{1}{y}$ by proportionality $3y = 15$ by cross-multiplicationHence: $y = 5$ when dividing both sides by 3.N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15Lesson Title: Proportion and FractionsAnswer:a) $\frac{20}{100} = \frac{v}{5}$ by proportionality $100 = 100v$ by cross-multiplicationHence: $v = 1$ when dividing both sides by 100
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions The following fractions are equivalent. Using proportions, find the values of x and y a) $\frac{x}{6}$ and $\frac{1}{3}$ b) $\frac{3}{15}$ and $\frac{1}{y}$ 2 minutes N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15 Lesson Title: Proportion and Fractions The following fractions are equivalent. Using proportions, find the values of v and q. a) $\frac{20}{100}$ and $\frac{v}{5}$	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplicationHence: $x = 2$ when dividing both sides by 3.b) $\frac{3}{15} = \frac{1}{y}$ by proportionality $3y = 15$ by cross-multiplicationHence: $y = 5$ when dividing both sides by 3.N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15Lesson Title: Proportion and FractionsAnswer:a) $\frac{20}{100} = \frac{v}{5}$ by proportionality100 = 100vby cross-multiplicationHence: $v = 1$ when dividing both sides by 100
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions The following fractions are equivalent. Using proportions, find the values of x and y a) $\frac{x}{6}$ and $\frac{1}{3}$ b) $\frac{3}{15}$ and $\frac{1}{y}$ 2 minutes N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15 Lesson Title: Proportion and Fractions The following fractions are equivalent. Using proportions, find the values of v and q. a) $\frac{20}{100}$ and $\frac{v}{5}$ b) $\frac{75}{2}$ and $\frac{3}{2}$	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplicationHence: $x = 2$ when dividing both sides by 3.b) $\frac{3}{15} = \frac{1}{y}$ by proportionality $3y = 15$ by cross-multiplicationHence: $y = 5$ when dividing both sides by 3.N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15Lesson Title: Proportion and FractionsAnswer:a) $\frac{20}{100} = \frac{v}{5}$ by proportionality100 = 100vby cross-multiplicationHence: $v = 1$ when dividing both sides by 100b) $\frac{75}{a} = \frac{3}{2}$ by proportionality
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsThe following fractions are equivalent. Using proportions, find the values of x and ya) $\frac{x}{6}$ and $\frac{1}{3}$ b) $\frac{3}{15}$ and $\frac{1}{y}$ 2 minutesN&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15Lesson Title: Proportion and FractionsThe following fractions are equivalent. Using proportions, find the values of v and q.a) $\frac{20}{100}$ and $\frac{v}{5}$ b) $\frac{75}{q}$ and $\frac{3}{2}$	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplicationHence: $x = 2$ when dividing both sides by 3.b) $\frac{3}{15} = \frac{1}{y}$ by proportionality $3y = 15$ by cross-multiplicationHence: $y = 5$ when dividing both sides by 3.N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15Lesson Title: Proportion and FractionsAnswer:a) $\frac{20}{100} = \frac{v}{5}$ by proportionality100 = 100vby cross-multiplicationHence: $v = 1$ when dividing both sides by 100b) $\frac{75}{q} = \frac{3}{2}$ by proportionality150 = 3qby cross-multiplication
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsThe following fractions are equivalent. Using proportions, find the values of x and ya) $\frac{x}{6}$ and $\frac{1}{3}$ b) $\frac{3}{15}$ and $\frac{1}{y}$ 2 minutesN&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15Lesson Title: Proportion and FractionsThe following fractions are equivalent. Using proportions, find the values of v and q.a) $\frac{20}{100}$ and $\frac{v}{5}$ b) $\frac{75}{q}$ and $\frac{3}{2}$	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplicationHence: $x = 2$ when dividing both sides by 3.b) $\frac{3}{15} = \frac{1}{y}$ by proportionality $3y = 15$ by cross-multiplicationHence: $y = 5$ when dividing both sides by 3.N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15Lesson Title: Proportion and FractionsAnswer:a) $\frac{20}{100} = \frac{v}{5}$ by proportionality100 = 100vby cross-multiplicationHence: $v = 1$ when dividing both sides by 100b) $\frac{75}{q} = \frac{3}{2}$ by proportionality150 = 3qby cross-multiplicationHence: $a = 50$ when dividing both sides by 3.
N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14 Lesson Title: Proportion and Fractions The following fractions are equivalent. Using proportions, find the values of x and y a) $\frac{x}{6}$ and $\frac{1}{3}$ b) $\frac{3}{15}$ and $\frac{1}{y}$ 2 minutes N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15 Lesson Title: Proportion and Fractions The following fractions are equivalent. Using proportions, find the values of v and q. a) $\frac{20}{100}$ and $\frac{v}{5}$ b) $\frac{75}{q}$ and $\frac{3}{2}$	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14Lesson Title: Proportion and FractionsAnswer:a) $\frac{x}{6} = \frac{1}{3}$ by proportionality $3x = 6$ by cross-multiplicationHence: $x = 2$ when dividing both sides by 3.b) $\frac{3}{15} = \frac{1}{y}$ by proportionality $3y = 15$ by cross-multiplicationHence: $y = 5$ when dividing both sides by 3.N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15Lesson Title: Proportion and FractionsAnswer:a) $\frac{20}{100} = \frac{v}{5}$ by proportionality100 = 100vby cross-multiplicationHence: $v = 1$ when dividing both sides by 100b) $\frac{75}{q} = \frac{3}{2}$ by proportionality150 = 3qby cross-multiplicationHence: $q = 50$ when dividing both sides by 3.

N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB16	N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB16
Lesson Title: Proportion and Fractions	Lesson Title: Proportion and Fractions
	Answer:
In the class, there is a ratio of 3 boys : 2 girls.	
This means that	In the class, there is a ratio of 3 boys : 2 girls. This means
	that for every 3 boys there are 2 girls
30 seconds	
N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB17	N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB17
Lesson Title: Proportion and Fractions	Lesson Title: Proportion and Fractions
	Answer:
I have a bag containing red and blue marbles. The bag has a	
total of 15 red marbles and 9 blue marbles	Number of blue marbles 9 $9 \div 3$ 3
	a) $\frac{1}{\text{Number of red marbles}} = \frac{1}{15} = \frac{1}{15 \div 3} = \frac{1}{5}$
a) Determine the simple fraction that relates the number of	
a) Determine the simple fraction that relates the humber of	b) $\frac{\text{Number of blue marbles}}{\text{Number of blue marbles}} = \frac{3}{2}$
blue marbles to the number of red marbles inside the bag.	' Number of red marbles 5
b) Determine the active of blacks and an eddlers in the simulant	Ratio 3 : 5
b) Determine the ratio of blue to red marbles in its simplest	
form.	
2 minutes	
N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18	N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18
N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions	N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions
N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions	N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions Answer:
N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions The ratio of bananas to melons is given as 30 : 1 .	N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions Answer: Write the ratio as a fraction:
N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions The ratio of bananas to melons is given as 30 : 1 .	N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions Answer: Write the ratio as a fraction: $30: 1 = \frac{30}{2}$
N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions The ratio of bananas to melons is given as 30 : 1 . If there are 300 bananas, how many melons are there?	N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions Answer: Write the ratio as a fraction: $30: 1 = \frac{30}{1}$
N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions The ratio of bananas to melons is given as 30 : 1 . If there are 300 bananas, how many melons are there?	N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions Answer: Write the ratio as a fraction: $30: 1 = \frac{30}{1}$ Find the total number of melons:
N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions The ratio of bananas to melons is given as 30 : 1 . If there are 300 bananas, how many melons are there?	N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions Answer: Write the ratio as a fraction: $30 : 1 = \frac{30}{1}$ Find the total number of melons: $\frac{30}{1} = \frac{300}{\text{Number of melons}}$
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N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions The ratio of bananas to melons is given as 30 : 1 . If there are 300 bananas, how many melons are there?	N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions Answer: Write the ratio as a fraction: $30 : 1 = \frac{30}{1}$ Find the total number of melons: $\frac{30}{1} = \frac{300}{\text{Number of melons}}$ $30 \times (\text{number of melons}) = 300$ number of melons = 10
N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions The ratio of bananas to melons is given as 30 : 1 . If there are 300 bananas, how many melons are there?	N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions Answer: Write the ratio as a fraction: $30 : 1 = \frac{30}{1}$ Find the total number of melons: $\frac{30}{1} = \frac{300}{\text{Number of melons}}$ $30 \times (\text{number of melons}) = 300$ number of melons = 10 Therefore: There are ten melons in total
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N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions The ratio of bananas to melons is given as $30 : 1$. If there are 300 bananas, how many melons are there? 1 $\frac{1}{2}$ minutes N&N Everyday Arithmetic; Ratio and Proportion (M-06-138) CODE BB19	N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18Lesson Title: Proportion and FractionsAnswer:Write the ratio as a fraction: $30: 1 = \frac{30}{1}$ Find the total number of melons: $\frac{30}{1} = \frac{300}{\text{Number of melons}}$ $30 \times (\text{number of melons}) = 300$ $number of melons = 10$ Therefore: There are ten melons in total.N&N Everyday Arithmetic; Ratio and Proportion (M-06-138) CODE BB19
N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions The ratio of bananas to melons is given as $30 : 1$. If there are 300 bananas, how many melons are there? 1 $\frac{1}{2}$ minutes N&N Everyday Arithmetic; Ratio and Proportion (M-06-138) CODE BB19 Lesson Title: Equivalent ratio	N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18Lesson Title: Proportion and FractionsAnswer:Write the ratio as a fraction: $30: 1 = \frac{30}{1}$ Find the total number of melons: $\frac{30}{1} = \frac{300}{\text{Number of melons}}$ $30 \times (\text{number of melons}) = 300$ $number of melons = 10$ Therefore: There are ten melons in total.N&N Everyday Arithmetic; Ratio and Proportion (M-06-138) CODE BB19Lesson Title: Proportion and Fractions
N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions The ratio of bananas to melons is given as $30 : 1$. If there are 300 bananas, how many melons are there? 1 1 1 1 2 1	N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18Lesson Title: Proportion and FractionsAnswer:Write the ratio as a fraction: $30: 1 = \frac{30}{1}$ Find the total number of melons: $\frac{30}{1} = \frac{300}{\text{Number of melons}}$ $30 \times (\text{number of melons}) = 300$ $30 \times (\text{number of melons} = 10)$ Therefore: There are ten melons in total.N&N Everyday Arithmetic; Ratio and Proportion (M-06-138) CODE BB19Lesson Title: Proportion and FractionsAnswer:
N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions The ratio of bananas to melons is given as $30 : 1$. If there are 300 bananas, how many melons are there? 1 $\frac{1}{2}$ minutes N&N Everyday Arithmetic; Ratio and Proportion (M-06-138) CODE BB19 Lesson Title: Equivalent ratio Pick three ratios that are equivalent to $4 : 3$ a) $8 : 6$	N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18Lesson Title: Proportion and FractionsAnswer:Write the ratio as a fraction: $30: 1 = \frac{30}{1}$ Find the total number of melons: $\frac{30}{1} = \frac{300}{\text{Number of melons}}$ $30 \times (\text{number of melons}) = 300$ $number of melons = 10$ Therefore: There are ten melons in total.N&N Everyday Arithmetic; Ratio and Proportion (M-06-138) CODE BB19Lesson Title: Proportion and FractionsAnswer:
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N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions The ratio of bananas to melons is given as $30 : 1$. If there are 300 bananas, how many melons are there? $1\frac{1}{2}$ minutes N&N Everyday Arithmetic; Ratio and Proportion (M-06-138) CODE BB19 Lesson Title: Equivalent ratio Pick three ratios that are equivalent to $4 : 3$ a) $8 : 6$ b) $9 : 12$	N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions Answer: Write the ratio as a fraction: $30 : 1 = \frac{30}{1}$ Find the total number of melons: $\frac{30}{1} = \frac{300}{\text{Number of melons}}$ $30 \times (\text{number of melons}) = 300$ number of melons = 10 Therefore: There are ten melons in total. N&N Everyday Arithmetic; Ratio and Proportion (M-06-138) CODE BB19 Lesson Title: Proportion and Fractions Answer: Correct options : <i>a</i> , <i>c</i> and <i>d</i>
N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18 Lesson Title: Proportion and Fractions The ratio of bananas to melons is given as $30 : 1$. If there are 300 bananas, how many melons are there? . $1\frac{1}{2}$ minutes N&N Everyday Arithmetic; Ratio and Proportion (M-06-138) CODE BB19 Lesson Title: Equivalent ratio Pick three ratios that are equivalent to $4 : 3$ a) $8 : 6$ b) $9 : 12$	N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18Lesson Title: Proportion and FractionsAnswer:Write the ratio as a fraction: 30 : $1 = \frac{30}{1}$ Find the total number of melons: $\frac{30}{1} = \frac{300}{\text{Number of melons}}$ 30 × (number of melons) = 300number of melons = 10Therefore: There are ten melons in total.N&N Everyday Arithmetic; Ratio and Proportion (M-06-138) CODE BB19Lesson Title: Proportion and FractionsAnswer:Correct options : a, c and d a) $8: 6 = \frac{8 \div 2}{6 \div 2} = \frac{4}{3} = 4: 3$
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N&N Everyday Arithmetic; Ratio and Proportion (M-06-138) CODE BB20	N&N Everyday Arithmetic; Ratio and Proportion (M-06-138) CODE BB20
Lesson Title: Equivalent ratio	Lesson Title: Proportion and Fractions
	Answer:
Which of the following ratios is equivalent to 27 : 9 ?	b) 3 : 1
a) 9 : 6	Working out
b) 3 : 1	$27:9 = \frac{27}{9} = \frac{27 \div 9}{9 \div 9} = \frac{3}{1} = 3:1$
c) 1 : 3	
30 seconds	
N&N Everyday Arithmetic; Ratio and Proportion (M-06-139) CODE BB21	N&N Everyday Arithmetic; Ratio and Proportion (M-06-139) CODE BB21
Lesson Title: Proportion and Fractions	Lesson Title: Proportion and Fractions
	Answer:
If the ratios $2: y$ and $18: 81$ are equivalent, find the value of y .	Notice: Since the ratios are equivalent, we can equate the fractions.
	That is: $\frac{2}{y} = \frac{18}{81}$
	162 = 18y by cross-multiplication Hence: $\mathbf{v} = 9$ when dividing both sides by 18.
1 minute	
N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22	N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22
N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22 Lesson Title: Writing ratio in its simplest form.	N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22 Lesson Title: Writing ratio in its simplest form.
N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22 Lesson Title: Writing ratio in its simplest form. Write the following ratios in their simplest form:	N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22 Lesson Title: Writing ratio in its simplest form. Answer: a) $200: 240 = \frac{200}{240} = \frac{200 \div 40}{240 \div 40} = \frac{5}{6}$
N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22 Lesson Title: Writing ratio in its simplest form. Write the following ratios in their simplest form: a) Garry practices 200 math sums in 240 minutes	N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22 Lesson Title: Writing ratio in its simplest form. Answer: a) $200: 240 = \frac{200}{240} = \frac{200 \div 40}{240 \div 40} = \frac{5}{6}$ Simplest form: 5 : 6
 N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22 Lesson Title: Writing ratio in its simplest form. Write the following ratios in their simplest form: a) Garry practices 200 math sums in 240 minutes b) 24 blue cars out of 30 cars 	N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22 Lesson Title: Writing ratio in its simplest form. Answer: a) $200: 240 = \frac{200}{240} = \frac{200 \div 40}{240 \div 40} = \frac{5}{6}$ Simplest form: 5 : 6 b) $24: 30 = \frac{24}{30} = \frac{24 \div 4}{30 \div 4} = \frac{4}{5}$
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N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22 Lesson Title: Writing ratio in its simplest form. Write the following ratios in their simplest form: a) Garry practices 200 math sums in 240 minutes b) 24 blue cars out of 30 cars c) 16 blue lollipops to 24 lollipops 2 minutes N&N Everyday Arithmetic; Ratio and Proportion (M-06-141) CODE BB23	N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22 Lesson Title: Writing ratio in its simplest form. Answer: a) $200: 240 = \frac{200}{240} = \frac{200 \div 40}{240 \div 40} = \frac{5}{6}$ Simplest form: 5 : 6 b) $24: 30 = \frac{24}{30} = \frac{24 \div 4}{30 \div 4} = \frac{4}{5}$ Simplest form: 4 : 5 c) $16: 24 = \frac{16}{24} = \frac{16 \div 8}{24 \div 8} = \frac{2}{3}$ Simplest form: 2 : 3 N&N Everyday Arithmetic; Ratio and Proportion (M-06-141) CODE BB23
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N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22 Lesson Title: Writing ratio in its simplest form. Write the following ratios in their simplest form: a) Garry practices 200 math sums in 240 minutes b) 24 blue cars out of 30 cars c) 16 blue lollipops to 24 lollipops 2 minutes N&N Everyday Arithmetic; Ratio and Proportion (M-06-141) CODE BB23 Lesson Title: Sharing Quantities Using Ratio Work out each of the following problems. a) Divide 315ml in the ratio 2 : 7	N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22 Lesson Title: Writing ratio in its simplest form. Answer: a) $200: 240 = \frac{200}{240} = \frac{200 \div 40}{240 \div 40} = \frac{5}{6}$ Simplest form: 5 : 6 b) $24: 30 = \frac{24}{30} = \frac{24 \div 4}{30 \div 4} = \frac{4}{5}$ Simplest form: 4 : 5 c) $16: 24 = \frac{16}{24} = \frac{16 \div 8}{24 \div 8} = \frac{2}{3}$ Simplest form: 2 : 3 N&N Everyday Arithmetic; Ratio and Proportion (M-06-141) CODE BB23 Lesson Title: Sharing Quantities Using Ratio Answer: a) $315ml \times \frac{2}{7} = \frac{630ml}{7} = 90ml$
N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22 Lesson Title: Writing ratio in its simplest form. Write the following ratios in their simplest form: a) Garry practices 200 math sums in 240 minutes b) 24 blue cars out of 30 cars c) 16 blue lollipops to 24 lollipops 2 minutes N&N Everyday Arithmetic; Ratio and Proportion (M-06-141) CODE BB23 Lesson Title: Sharing Quantities Using Ratio Work out each of the following problems. a) Divide 315ml in the ratio 2 : 7 b) Share 120 hours in the ratio 5 : 8	N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22 Lesson Title: Writing ratio in its simplest form. Answer: a) $200: 240 = \frac{200}{240} = \frac{200 \div 40}{240 \div 40} = \frac{5}{6}$ Simplest form: 5 : 6 b) $24: 30 = \frac{24}{30} = \frac{24 \div 4}{30 \div 4} = \frac{4}{5}$ Simplest form: 4 : 5 c) $16: 24 = \frac{16}{24} = \frac{16 \div 8}{24 \div 8} = \frac{2}{3}$ Simplest form: 2 : 3 N&N Everyday Arithmetic; Ratio and Proportion (M-06-141) CODE BB23 Lesson Title: Sharing Quantities Using Ratio Answer: a) $315ml \times \frac{2}{7} = \frac{630ml}{7} = 90ml$ b) $120 \text{ hours } \times \frac{5}{8} = \frac{240 \text{ hours}}{8} = 75 \text{ hours}$
N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22 Lesson Title: Writing ratio in its simplest form. Write the following ratios in their simplest form: a) Garry practices 200 math sums in 240 minutes b) 24 blue cars out of 30 cars c) 16 blue lollipops to 24 lollipops 2 minutes N&N Everyday Arithmetic; Ratio and Proportion (M-06-141) CODE BB23 Lesson Title: Sharing Quantities Using Ratio Work out each of the following problems. a) Divide 315ml in the ratio 2 : 7 b) Share 120 hours in the ratio 5 : 8 c) Divide Le 240,000 in the ratio 1 : 3	N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22 Lesson Title: Writing ratio in its simplest form. Answer: a) 200 : $240 = \frac{200}{240} = \frac{200 \div 40}{240 \div 40} = \frac{5}{6}$ Simplest form: 5 : 6 b) $24 : 30 = \frac{24}{30} = \frac{24 \div 4}{30 \div 4} = \frac{4}{5}$ Simplest form: 4 : 5 c) $16: 24 = \frac{16}{24} = \frac{16 \div 8}{24 \div 8} = \frac{2}{3}$ Simplest form: 2 : 3 N&N Everyday Arithmetic; Ratio and Proportion (M-06-141) CODE BB23 Lesson Title: Sharing Quantities Using Ratio Answer: a) $315ml \times \frac{2}{7} = \frac{630ml}{7} = 90ml$ b) $120 \text{ hours } \times \frac{5}{8} = \frac{240 \text{ hours}}{8} = 75 \text{ hours}$ c) Le $240,000 \times \frac{1}{3} = \frac{Le240,000}{3} = \text{Le 80,000}$
N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22 Lesson Title: Writing ratio in its simplest form. Write the following ratios in their simplest form: a) Garry practices 200 math sums in 240 minutes b) 24 blue cars out of 30 cars c) 16 blue lollipops to 24 lollipops 2 minutes N&N Everyday Arithmetic; Ratio and Proportion (M-06-141) CODE BB23 Lesson Title: Sharing Quantities Using Ratio Work out each of the following problems. a) Divide 315 <i>ml</i> in the ratio 2 : 7 b) Share 120 hours in the ratio 5 : 8 c) Divide Le 240,000 in the ratio 1 : 3	N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22 Lesson Title: Writing ratio in its simplest form. Answer: a) $200: 240 = \frac{200}{240} = \frac{200 \div 40}{240 \div 40} = \frac{5}{6}$ Simplest form: 5 : 6 b) $24: 30 = \frac{24}{30} = \frac{24 \div 4}{30 \div 4} = \frac{4}{5}$ Simplest form: 4 : 5 c) $16: 24 = \frac{16}{24} = \frac{16 \div 8}{24 \div 8} = \frac{2}{3}$ Simplest form: 2 : 3 N&N Everyday Arithmetic; Ratio and Proportion (M-06-141) CODE BB23 Lesson Title: Sharing Quantities Using Ratio Answer: a) $315ml \times \frac{2}{7} = \frac{630ml}{7} = 90ml$ b) $120 \text{ hours } \times \frac{5}{8} = \frac{240 \text{ hours}}{8} = 75 \text{ hours}$ c) Le $240,000 \times \frac{1}{3} = \frac{Le240,000}{3} = \text{Le 80,000}$

N&N Everyday Arithmetic; Ratio and Proportion (M-06-141) CODE BB24	N&N Everyday Arithmetic; Ratio and Proportion (M-06-141) CODE BB24
Lesson Title: Sharing Quantities Using Ratio	Lesson Title: Sharing Quantities Using Ratio
	Answer:
Pearl has 60 sweets. The ratio of red sweets to green	Notice: The number of red sweets in comparison to the total
sweets is 3 : 2 . How many red sweets does Pearl have?	number of sweets is given by the ratio: 3: 5
	Number of and success.
	$\frac{\text{Number of red sweets}}{\text{Tetal number of sweets}} = \frac{3}{5}$
	1 otal number of sweets 5
	Number of red sweets $-\frac{3}{-1} \times 60$
	Number of red sweets $=\frac{1}{5} \times 60$
	Therefore: Number of red sweets = 36
2 minutes	
N&N: Everyday Arithmetic: Ratio and Proportion (M.06-142) CODE BR25	N&N: Everyday Arithmetic: Ratio and Proportion (M-06-142) CODE BR25
Lesson Title: Word Problems with Patio	Lesson Title: Proportion and Fractions
If Sally draw 10 aguaras and 20 triangles, then:	Aliswei.
In Soliy Grew To squares and So thangles, then.	a) $10 \cdot 20 = \frac{10 \div 10}{10} = \frac{1}{10} = \frac{1}{10} \cdot 2$
a) What is the ratio of equarce to triangles in simplest form?	a) $10: 50 = \frac{1}{30 \div 10} = \frac{1}{3} = 1:5$
b) What is the ratio of triangles to all shapes in simplest	b) Notice: Number of all shapes = Squares + Triangles = 40
b) what is the fatto of thangles to all shapes in simplest	
	$30: 40 = \frac{30 \div 10}{30 \times 10} = \frac{3}{3} = 3: 4$
	$40 \div 10$ 4
2 minutos	
Z minutes	
N&N Everyday Arithmetic; Ratio and Proportion (M-06-143) CODE BB26	N&N Everyday Arithmetic; Ratio and Proportion (M-06-143) CODE BB26
N&N Everyday Arithmetic; Ratio and Proportion (M-06-143) CODE BB26 Lesson Title: Direct Proportion	N&N Everyday Arithmetic; Ratio and Proportion (M-06-143) CODE BB26 Lesson Title: Direct Proportion
N&N Everyday Arithmetic; Ratio and Proportion (M-06-143) CODE BB26 Lesson Title: Direct Proportion	N&N Everyday Arithmetic; Ratio and Proportion (M-06-143) CODE BB26 Lesson Title: Direct Proportion Answer:
N&N Everyday Arithmetic; Ratio and Proportion (M-06-143) CODE BB26 Lesson Title: Direct Proportion Rose gets paid Le 15,000 for each hour she works. If she	N&N Everyday Arithmetic; Ratio and Proportion (M-06-143) CODE BB26 Lesson Title: Direct Proportion Answer:
N&N Everyday Arithmetic; Ratio and Proportion (M-06-143) CODE BB26 Lesson Title: Direct Proportion Rose gets paid Le 15,000 for each hour she works. If she works 45 hours per week, how much does she earn each	N&N Everyday Arithmetic; Ratio and Proportion (M-06-143) CODE BB26 Lesson Title: Direct Proportion Answer: If we let x represent the amount she earns each week, then:
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N&N Everyday Arithmetic; Ratio and Proportion (M-06-143) CODE BB26 Lesson Title: Direct Proportion Rose gets paid Le 15,000 for each hour she works. If she works 45 hours per week, how much does she earn each week? 2 minutes N&N Everyday Arithmetic; Ratio and Proportion (M-06-146) CODE BB27 Lesson Title: Solving Word Problems Involving Fractions Terrence won Le 123,000 from a Saturday night game show. He decides to invest.	N&N Everyday Arithmetic; Ratio and Proportion (M-06-143) CODE BB26Lesson Title: Direct ProportionAnswer:If we let x represent the amount she earns each week, then: $15,000 : 1 hr = x : 45 hrs$ $\frac{Le 15,000}{1 hr} = \frac{x}{45 hrs}$ By cross-multiplying: $x = 675,000$ per weekN&N Everyday Arithmetic; Ratio and Proportion (M-06-146) CODE BB27Lesson Title: Solving Word Problems Involving FractionsAnswer:Notice: He invests three-fourths and spends one-fourths of
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N&N Everyday Arithmetic; Ratio and Proportion (M-06-146) CODE BB28	N&N Everyday Arithmetic; Ratio and Proportion (M-06-146) CODE BB28
Lesson Title: Solving Word Problems Involving Fractions	Lesson Title: Solving Word Problems Involving Fractions
	Answer:
A man spends $\frac{2}{3}$ of his salary on house rent. $\frac{3}{3}$ of his salary	The fraction of the salary spent:
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	$-\frac{2}{-1}$ + $\frac{3}{-1}$ + $\frac{1}{-1}$
on food and $\frac{1}{8}$ of his salary on clothes altogether.	$-\frac{1}{5}+\frac{1}{10}+\frac{1}{8}$
0	$-\frac{2 \times 2}{1} + \frac{3}{1} + \frac{1}{1}$
What fraction of his salary did he spend?	5×2 10 8
	$=\frac{4}{-++}\frac{3}{-++}\frac{1}{-++}\frac{7}{-++}\frac{1}{-++}$
	$=\frac{7}{10}+\frac{1}{10}=\frac{66}{100}$
.1	
$1 - \frac{1}{2}$ minutes	$=\frac{66 \div 2}{28}=\frac{33}{12}$
	$80 \div 2$ 40
N&N Everyday Arithmetic; Ratio and Proportion (M-06-146) CODE BB29	N&N Everyday Arithmetic; Ratio and Proportion (M-06-146) CODE BB29
Lesson Title: Solving Word Problems Involving Fractions	Lesson Title: Solving Word Problems Involving Fractions
	Answer:
Martha spent $\frac{4}{2}$ of her allowance on food and shopping.	
What fraction of hor allowance is loft over?	Let 1 be the whole part of the allowance
	The fraction of the allowance left over
	4 9 - 4 5
	$=1-\frac{1}{9}=\frac{1}{9}=\frac{1}{9}=\frac{1}{9}=\frac{1}{9}$
1 minute	
N&N: Everyday Arithmetic: Ratio and Proportion (M-06-148) CODE BB30	NIV NULL very devision with meeting is being and is reportions (N/LINE 1/10) (1111 DD30
	Nan, Everyday Antrimetic, Ratio and Proportion (N-00-146) CODE BB30
Lesson Title: Solving Word Problems Involving Percentages	Lesson Title: Solving Word Problems Involving Fractions
Lesson Title: Solving Word Problems Involving Percentages	Lesson Title: Solving Word Problems Involving Fractions Answer:
Lesson Title: Solving Word Problems Involving Percentages Out of 400 learners who took an IQ test, 240 achieved an	Lesson Title: Solving Word Problems Involving Fractions Answer:
Lesson Title: Solving Word Problems Involving Percentages Out of 400 learners who took an IQ test, 240 achieved an above average score. What percentage of the learners	Lesson Title: Solving Word Problems Involving Fractions Answer: $\frac{\text{Number of above average learners}}{\text{Number of above average learners}} \times 100 = \%$
Lesson Title: Solving Word Problems Involving Percentages Out of 400 learners who took an IQ test, 240 achieved an above average score. What percentage of the learners achieved an above average score?	Naily, Everyday Antimietic, Ratio and Proportion (M-06-148) CODE BB30Lesson Title: Solving Word Problems Involving FractionsAnswer: $\frac{\text{Number of above average learners}}{\text{Total number of learners}} \times 100 = \%$
Lesson Title: Solving Word Problems Involving Percentages Out of 400 learners who took an IQ test, 240 achieved an above average score. What percentage of the learners achieved an above average score?	Lesson Title: Solving Word Problems Involving Fractions Answer: $\frac{\text{Number of above average learners}}{\text{Total number of learners}} \times 100 = \%$
Lesson Title: Solving Word Problems Involving Percentages Out of 400 learners who took an IQ test, 240 achieved an above average score. What percentage of the learners achieved an above average score?	Lesson Title: Solving Word Problems Involving Fractions Answer: $\frac{\text{Number of above average learners}}{\text{Total number of learners}} \times 100 = \%$ $\frac{240 \div 80}{100} \times 100 = \frac{3}{100} \times 100 = 60\%$
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Lesson Title: Solving Word Problems Involving Percentages Out of 400 learners who took an IQ test, 240 achieved an above average score. What percentage of the learners achieved an above average score? $1\frac{1}{2}$ minutes Theme: Everyday Arithmetic; Percentages (M-06-101) CODE BB31 Lesson Title: Percentage of a Quantity – Simple Problems Work out each of the following problems: a) Eind 10% of 20 km	Lesson Title: Solving Word Problems Involving Fractions Answer: $\frac{\text{Number of above average learners}}{\text{Total number of learners}} \times 100 = \%$ $\frac{240 \div 80}{400 \div 80} \times 100 = \frac{3}{5} \times 100 = 60\%$ 60% of the learners achieved an IQ score above average 60% of the learners achieved an IQ score above average Theme: Everyday Arithmetic; Percentages (M-06-101) CODE BB31 Lesson Title: Percentage of a Quantity – Simple Problems Answer: a) $\frac{10}{100} \times 20 \text{km} = \frac{200 \text{km}}{100} = 2 \text{km}$
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Theme: Everyday Arithmetic; Percentages (M-06-102) CODE BB32	Theme: Everyday Arithmetic; Percentages (M-06-102) CODE BB32
Lesson Title: Percentage of a Quantity – More Problems	Lesson Title: Percentage of a Quantity – More Problems
	Answer:
Solve the following word problem:	
	$a \frac{60}{10} \times 300$ stalls = 180 stalls
A marketolace has a total of 300 stalls available for local	$\frac{1}{100}$
vendors to sell their goods. In the first week 60% of the	180 stalls are occupied.
stalls were occupied	
	b. Stalls unoccupied = Total stalls – Stalls occupied
a. Find the actual number of stalls ecoupied	= 300 – 180
	= 120
b. Find the actual number of stalls uncessmidd	120 stalls are unoccupied.
b. Find the actual number of stalls unoccupied.	
0 minutes	
Theme: Everyday Arithmetic; Percentages (M-06-102) CODE BB33	Theme: Everyday Arithmetic; Percentages (M-06-102) CODE BB33
Lesson Title: Percentage of a Quantity – More Problems	Lesson Title: Percentage of a Quantity – More Problems
Solve the following word problem:	Answer:
There were 1800 onions in a trader's basket. When he got to	a. $\frac{12}{100} \times 1800 = 216$
market, the trader noticed that 12% of the onions were bad	216 onions were thrown away
and needed to be thrown away.	
	b. Number of onions available = total onions – bad onions
a. How many onions did the trader throw away?	-1900 - 216 - 1594 onions
	= 1800 - 210 - 1384 onions
b. If the trader sold 450 onions, what percentage of onions	Thus: $\frac{1}{1584} \times 100 \approx 28\%$
did he manage to sell?	The trader managed to sell 28% of onions.
3 minutes	
Theme: Everyday Arithmetic: Percentages (M-06-103) CODE B34	Theme: Evenyday Arithmetic: Percentages (M-06-103) CODE BB34
Theme: Everyday Arithmetic; Percentages (M-06-103) CODE B34	Theme: Everyday Arithmetic; Percentages (M-06-103) CODE BB34
Theme: Everyday Arithmetic; Percentages (M-06-103) CODE B34 Lesson Title: Profit and Loss as Percentages	Theme: Everyday Arithmetic; Percentages (M-06-103) CODE BB34 Lesson Title: Profit and Loss as Percentages
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Theme: Everyday Arithmetic; Percentages (M-06-103) CODE B34 Lesson Title: Profit and Loss as Percentages Work out each of the following problems:	Theme: Everyday Arithmetic; Percentages (M-06-103) CODE BB34 Lesson Title: Profit and Loss as Percentages Answer:
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Theme: Everyday Arithmetic; Percentages (M-06-103) CODE B34 Lesson Title: Profit and Loss as Percentages Work out each of the following problems: a) Increase Le 300 by 20% b) Decrease 20L by 4%	Theme: Everyday Arithmetic; Percentages (M-06-103) CODE BB34 Lesson Title: Profit and Loss as Percentages Answer: a) Increase = $300 + 300 \times \frac{20}{100} = Le \ 360$ b) Decrease = $20 - 20 \times \frac{4}{100} = 19.2L$
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Theme: Everyday Arithmetic; Percentages (M-06-105) CODE BB36	Theme: Everyday Arithmetic; Percentages (M-06-105) CODE BB36
Lesson Title: Simple Interest	Lesson Title: Simple Interest
	Answer:
	A = P(1 + rt)
Write down the formula for calculating Simple Interest	
	Where: A is the accumulated amount
	P is the p rinciple amount.
	r is the interest percentage
	t is time taken to earn interest.
20	
Theme: Everyday Arithmetic; Percentages (M-06-105) CODE BB37	Theme: Everyday Arithmetic; Percentages (M-06-105) CODE BB37
Lesson Title: Simple Interest	Lesson Title: Simple Interest
	Answer:
Calculate the following using Simple Interest :	A = P(1 + rt)
Sara deposits Le100,000 at a bank at an interest rate of 7%	$A = 100,000(1 + 0.07 \times 4)$
per year.	
How much money did Sala accumulate alter 4 years?	= 100,000(1.28)
	= Le <i>128</i> ,000
2 minutes	
Theme: Everyday Arithmetic: Percentages (M-06-105) CODE BB38	Theme: Everyday Arithmetic: Percentages (M-06-105) CODE BB38
Theme: Everyday Arithmetic; Percentages (M-06-105) CODE BB38	Theme: Everyday Arithmetic; Percentages (M-06-105) CODE BB38
Theme: Everyday Arithmetic; Percentages (M-06-105) CODE BB38 Lesson Title: Simple Interest	Theme: Everyday Arithmetic; Percentages (M-06-105) CODE BB38 Lesson Title: Simple Interest Answer:
Theme: Everyday Arithmetic; Percentages (M-06-105) CODE BB38 Lesson Title: Simple Interest Enrico bought a car for Le 980.392.	Theme: Everyday Arithmetic; Percentages (M-06-105) CODE BB38 Lesson Title: Simple Interest Answer: $A = P(1 \pm rt)$
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Theme: Everyday Arithmetic; Percentages (M-06-105) CODE BB38 Lesson Title: Simple Interest Enrico bought a car for Le 980,392. He took a Le 570,000 loan from a bank at an interest rate of 17% per year for a 3-year period. What is the total amount (interest and loan) that he would have to pay the bank at the end of 3 years? 2 minutes Theme: Everyday Arithmetic; Percentages (M-06-105) CODE BB39 Lesson Title: Simple Interest Solve the following word problem using Simple Interest: Mrs Lewis borrowed Le 200,000 from the bank and was charged an interest rate of 15% per year. If she paid the loan	Theme: Everyday Arithmetic; Percentages (M-06-105) CODE BB38 Lesson Title: Simple Interest Answer: A = P(1 + rt) $= 570,000(1 + 0.17 \times 3)$ = Le 860,700 Theme: Everyday Arithmetic; Percentages (M-06-105) CODE BB39 Lesson Title: Simple Interest Answer: a. $A = P(1+rt)$ $= 200,000(1 + 0.15 \times 3)$ = Le 290,000 She paid Le 290,000 total for her Ioan.
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Theme: Measurement and Estimation; Length (M-06-057) CODE BB40	Theme: Measurement and Estimation; Length (M-06-057) CODE BB40
Lesson Title: Conversion from Inches to Feet and Feet to Inches	Lesson Title: Conversion from Inches to Feet and Feet to Inches
	Answer:
State the rule used to convert from feet to inches and from	
inches to feet.	Feet to inches \rightarrow multiply measurement by 12.
	Inches to feet \rightarrow divide measurement by 12.
1 minute	
Theme: Measurement and Estimation; Length (M-06-057) CODE BB41	Theme: Measurement and Estimation; Length (M-06-057) CODE BB41
Lesson Title: Conversion from Inches to Feet and Feet to Inches	Lesson Title: Conversion from Inches to Feet and Feet to Inches
	Answer:
Fill in the blank box with the appropriate sign:	$1 \cdot 10^{-1}$ fact land
1	a. $4 \div 12 = \frac{-}{3}$ feet long
a. 4 \square 12 = $\frac{1}{3}$ feet long	
25 - 12 = 300 inches long	b. $25 \times 12 = 300$ inches long
	2 24 12 = 2 fact lang
c. 24 12 = 2 feet long	c. $24 \div 12 - 2$ leet long
1	
$1\frac{1}{2}$ minutes	
Theme: Measurement and Estimation: Length (M-06-057) CODE BB42	Theme: Measurement and Estimation: Length (M-06-057) CODE BB42
	memorine medearement and Eeamaach, Eengar (m ee eer) eese ss
Lesson Title: Conversion from Inches to Feet and Feet to Inches	Lesson Title: Conversion from Inches to Feet and Feet to Inches
Lesson Title: Conversion from Inches to Feet and Feet to Inches	Lesson Title: Conversion from Inches to Feet and Feet to Inches Answer:
Lesson Title: Conversion from Inches to Feet and Feet to Inches When buying a television, the screen size is measured in	Lesson Title: Conversion from Inches to Feet and Feet to Inches Answer:
Lesson Title: Conversion from Inches to Feet and Feet to Inches When buying a television, the screen size is measured in inches between opposite corners. How many feet across is a	Lesson Title: Conversion from Inches to Feet and Feet to Inches Answer: Inches to feet \rightarrow divide measurement by 12
Lesson Title: Conversion from Inches to Feet and Feet to Inches When buying a television, the screen size is measured in inches between opposite corners. How many feet across is a 45 inch television?	Lesson Title: Conversion from Inches to Feet and Feet to Inches Answer: Inches to feet \rightarrow divide measurement by 12.
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Lesson Title: Conversion from Inches to Feet and Feet to Inches When buying a television, the screen size is measured in inches between opposite corners. How many feet across is a 45-inch television? 30 seconds Theme: Measurement and Estimation; Length (M-06-058) CODE B43	Lesson Title: Conversion from Inches to Feet and Feet to Inches Answer: Inches to feet \rightarrow divide measurement by 12. $feet = \frac{45 \text{ inches}}{12} = 3.75$ Theme: Measurement and Estimation; Length (M-06-058) CODE BB43
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Lesson Title: Conversion from Inches to Feet and Feet to Inches When buying a television, the screen size is measured in inches between opposite corners. How many feet across is a 45-inch television? 30 seconds Theme: Measurement and Estimation; Length (M-06-058) CODE B43 Lesson Title: Measuring Objects in Millimetres and Centimetres Complete the rule: To convert from millimetres to centimetres, we	Lesson Title: Conversion from Inches to Feet and Feet to Inches Answer: Inches to feet \rightarrow divide measurement by 12. feet $= \frac{45 \text{ inches}}{12} = 3.75$ Theme: Measurement and Estimation; Length (M-06-058) CODE BB43 Lesson Title: Measuring Objects in Millimetres and Centimetres Answer: millimetres to centimetres \rightarrow divide by 10
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Theme: Measurement and Estimation; Length (M-06-059) CODE BB44	Theme: Measurement and Estimation; Length (M-06-059) CODE BB44
Lesson Title: Measuring Objects in Millimetres and Centimetres	Lesson Title: Measuring Objects in Millimetres and Centimetres
	Answer:
Complete the equations with multiply (x) or divide (\div) :	8
	a. $16 \div 10 = -$ centimetres long
a. 16 $10 = \frac{8}{7}$ centimetres long	
5 °	
b. 40 🗌 10 = 4 centimetres long	b. $40 \div 10 = 4$ centimetres long
c. 6 10 = 60 millimetres long	
	$a = 6 \times 10 = 60$ millimetres long
	c. $6 \times 10 = 60$ minimetres long
$1^{\frac{1}{2}}$ minutes	
2	
Themes Measurement and Estimations Length (M.OS. OSO) CODE DB45	Theme: Macourament and Estimation: Length (M. 06, 050) CODE DD 45
Theme. Measurement and Estimation, Length (M-00-059) CODE BB45	Theme. Weasurement and Estimation, Length (M-06-059) CODE BB45
Lesson Title: Measuring Objects in Millimetres and Centimetres	Answer
Convert the following contimetros to millimetros or	Answer:
millimetres to centimetres by multiplying or dividing:	a. 3 millimetres $= 0.3$ centimetres
a. 3 millimetres = centimetres	b. 20 centimetres = 200 millimetres
	-17 millimetres -1.7 continuetres
b. 20 centimetres = millimetres	c. 17 minimetres = 1.7 centimetres
c. 17 millimetres = centimetres	
. 1 .	
$1\frac{1}{2}$ minutes	
Theme: Measurement and Estimation; Length (M-06-060) CODE BB46	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46
Lesson Title: Conversion of Lengths from Metres to Kilometres	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres
Lesson Title: Conversion of Lengths from Metres to Kilometres	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer:
Lesson Title: Conversion of Lengths from Metres to Kilometres	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer:
Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule:	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer:
Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule:	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: To convert from kilometres to metres, we multiply by 1000.
Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule: To convert from kilometres to metres, we	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: To convert from kilometres to metres, we multiply by 1000.
Ineme: Measurement and Estimation; Length (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule: To convert from kilometres to metres, we	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: To convert from kilometres to metres, we multiply by 1000. To convert from metres to kilometres.
Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule: To convert from kilometres to metres, we To convert from metres to kilometres, we	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: To convert from kilometres to metres, we multiply by 1000. To convert from metres to kilometres, we divide by 1000.
Theme: Measurement and Estimation; Length (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule: To convert from kilometres to metres, we To convert from metres to kilometres, we	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: To convert from kilometres to metres, we multiply by 1000. To convert from metres to kilometres, we divide by 1000.
Theme: Measurement and Estimation; Length (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule: To convert from kilometres to metres, we To convert from metres to kilometres, we	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: To convert from kilometres to metres, we multiply by 1000. To convert from metres to kilometres, we divide by 1000.
Ineme: Measurement and Estimation; Length (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule: To convert from kilometres to metres, we To convert from metres to kilometres, we	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: To convert from kilometres to metres, we multiply by 1000. To convert from metres to kilometres, we divide by 1000.
Ineme: Measurement and Estimation; Length (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule: To convert from kilometres to metres, we To convert from metres to kilometres, we To convert from metres to kilometres, we	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: To convert from kilometres to metres, we multiply by 1000. To convert from metres to kilometres, we divide by 1000.
Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule: To convert from kilometres to metres, we To convert from metres to kilometres, we 30 seconds	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: To convert from kilometres to metres, we multiply by 1000. To convert from metres to kilometres, we divide by 1000.
Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule: To convert from kilometres to metres, we To convert from metres to kilometres, we 30 seconds Theme: Measurement and Estimation; Length (M-06-060) CODE BB47	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: To convert from kilometres to metres, we multiply by 1000. To convert from metres to kilometres, we divide by 1000. Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB47
Theme: Measurement and Estimation; Length (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule: To convert from kilometres to metres, we	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: To convert from kilometres to metres, we multiply by 1000. To convert from metres to kilometres, we divide by 1000. Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB47 Lesson Title: Conversion of Lengths from Metres to Kilometres
Theme: Measurement and Estimation; Length (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule: To convert from kilometres to metres, we	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: To convert from kilometres to metres, we multiply by 1000. To convert from metres to kilometres, we divide by 1000. Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB47 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer:
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Theme: Measurement and Estimation; Length (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule: To convert from kilometres to metres, we	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: To convert from kilometres to metres, we multiply by 1000. To convert from metres to kilometres, we divide by 1000. Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB47 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: a. 24 kilometres = 24,000 metres
Theme: Measurement and Estimation; Length (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule: To convert from kilometres to metres, we	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: To convert from kilometres to metres, we multiply by 1000. To convert from metres to kilometres, we divide by 1000. Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB47 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: a. 24 kilometres = 24,000 metres b. 358 metres = 0.358 kilometres
Theme: Measurement and Estimation; Length (M-06-060) CODE BB45 Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule: To convert from kilometres to metres, we	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: To convert from kilometres to metres, we multiply by 1000. To convert from metres to kilometres, we divide by 1000. Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB47 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: a. 24 kilometres = 24,000 metres b. 358 metres = 0.358 kilometres
Theme: Measurement and Estimation; Length (M-06-060) CODE BB45 Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule: To convert from kilometres to metres, we	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: To convert from kilometres to metres, we multiply by 1000. To convert from metres to kilometres, we divide by 1000. Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB47 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: a. 24 kilometres = 24,000 metres b. 358 metres = 0.358 kilometres c. 19 kilometres = 19,000 metres
Theme: Measurement and Estimation; Length (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule: To convert from kilometres to metres, we	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: To convert from kilometres to metres, we multiply by 1000. To convert from metres to kilometres, we divide by 1000. Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB47 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: a. 24 kilometres = 24,000 metres b. 358 metres = 0.358 kilometres c. 19 kilometres = 19,000 metres
Theme: Measurement and Estimation; Length (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule: To convert from kilometres to metres, we	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: To convert from kilometres to metres, we multiply by 1000. To convert from metres to kilometres, we divide by 1000. Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB47 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: a. 24 kilometres = 24,000 metres b. 358 metres = 0.358 kilometres c. 19 kilometres = 19,000 metres
Theme: Measurement and Estimation; Length (M-06-060) CODE BB45 Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule: To convert from kilometres to metres, we	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: To convert from kilometres to metres, we multiply by 1000. To convert from metres to kilometres, we divide by 1000. Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB47 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: a. 24 kilometres = 24,000 metres b. 358 metres = 0.358 kilometres c. 19 kilometres = 19,000 metres
Theme: Measurement and Estimation; Length (M-06-060) CODE BB45 Lesson Title: Conversion of Lengths from Metres to Kilometres Complete the rule: To convert from kilometres to metres, we	Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB46 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: To convert from kilometres to metres, we multiply by 1000. To convert from metres to kilometres, we divide by 1000. Numbers and Numeration; Decimals & Percent (M-06-060) CODE BB47 Lesson Title: Conversion of Lengths from Metres to Kilometres Answer: a. 24 kilometres = 24,000 metres b. 358 metres = 0.358 kilometres c. 19 kilometres = 19,000 metres

Theme: Geometry Perimeters and Areas (M-06-081) CODE BB48	Theme: Geometry Perimeters and Areas (M-06-081) CODE BB48
Lesson Title: Perimeter of Shapes	Lesson Title: Perimeter of Shapes
Consider the triangle:	Answer:
	P = a + b + c
b a	
c	
Write down the general formula to calculate the perimeter of	
the given triangle.	
30 seconds	
Theme: Geometry Perimeters and Areas (M-06-081) CODE BB49	Theme: Geometry Perimeters and Areas (M-06-081) CODE BB49
Lesson Title: Perimeter of Shapes	Lesson Title: Perimeter of Shapes
Consider the triangle:	Answer:
	P = a + b + c
h A a	
	125 = a + b + c subtract b and c to solve for a.
	$H_{cm} = 125$ h c
	11 = 125 = b = c
If the perimeter of the triangle is 125cm, determine the	
expression for a in terms of b and c .	
1 minute	
Theme: Geometry Perimeters and Areas (M-06-081) CODE BB50	Theme: Geometry Perimeters and Areas (M-06-081) CODE BB50
Lesson Title: Perimeter of Snapes	Lesson Title: Perimeter of Snapes
workout the perimeter of the following snapes:	
1) Z cm 2)	1) P = 2(l+w)
	P = 2(2+7)
A in A in	P = 18 cm
2 cm 4 11	
3 in	2) P = a + b + c
	P = 4 + 3 + 6
Perimeter = cm Perimeter = in	P = 13 in
2 minutes	
Theme: Geometry Perimeters and Areas (M-06-081) CODF BB51	Theme: Geometry Perimeters and Areas (M-06-081) CODE BB51
Lesson Title: Perimeter of Shapes	
	Lesson Title: Perimeter of Shapes
Work out the perimeter of the following shapes:	Lesson Title: Perimeter of Shapes Answer:
Work out the perimeter of the following shapes: a) b)	Lesson Title: Perimeter of Shapes Answer: 1) $P = 2a + 2a$
Work out the perimeter of the following shapes: a) b) 4 m 4 cm	Lesson Title: Perimeter of Shapes Answer: 1) $P = 2a + 2a$
Work out the perimeter of the following shapes: a) b) 4 m 4 cm	Lesson Title: Perimeter of Shapes Answer: 1) $P = 2a + 2a$ P = 2(4) + 2(4)
Work out the perimeter of the following shapes: a) b) 4 m E 4 cm	Lesson Title: Perimeter of Shapes Answer: 1) $P = 2a + 2a$ P = 2(4) + 2(4) P = 16cm
Work out the perimeter of the following shapes: a) b) 4 m 4 cm E E E	Lesson Title: Perimeter of Shapes Answer: 1) $P = 2a + 2a$ P = 2(4) + 2(4) P = 16cm
Work out the perimeter of the following shapes: a) b) 4 m 4 cm 5 4 cm 5 5 5 6 cm 6 5 6 cm 6 5 6 cm 7 7 6 cm 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Lesson Title: Perimeter of Shapes Answer: 1) $P = 2a + 2a$ P = 2(4) + 2(4) P = 16cm 2) $P = 2(l + w)$
Work out the perimeter of the following shapes: a) b) 4 m 4 cm 4 cm 4 cm 4 cm 4 cm 4 cm	Lesson Title: Perimeter of Shapes Answer: 1) $P = 2a + 2a$ P = 2(4) + 2(4) P = 16cm 2) $P = 2(l + w)$
Work out the perimeter of the following shapes: a) b) 4 m 4 cm 5 4 cm 4 cm 4 cm 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Lesson Title: Perimeter of Shapes Answer: 1) $P = 2a + 2a$ P = 2(4) + 2(4) P = 16cm 2) $P = 2(l + w)$ P = 2(4 + 7)
Work out the perimeter of the following shapes: a) b) 4 m 4 cm 4 cm 4 cm 4 cm 5 cm 4 cm	Lesson Title: Perimeter of Shapes Answer: 1) $P = 2a + 2a$ P = 2(4) + 2(4) P = 16cm 2) $P = 2(l + w)$ P = 2(4 + 7) P = 22m

Lesson Title: Finding the Perimeter of Irregular ShapesLesson Title: Finding the Perimeter of Irregular ShapesConsider the irregular shape:6 cm6 cm9 = 6 + 4 + 2 + 3 + 4 + 7 $P = 6 + 4 + 2 + 3 + 4 + 7$ $P = 6 + 4 + 2 + 3 + 4 + 7$ $P = 26 cm$ $A cmCalculate the perimeter of the shape.1 minuteTheme: Geometry Perimeters and Areas (M-06-082) CODE BB53Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53$		
Consider the irregular shape: 6 cm P = ? 7 cm 2 cm 3 cm Calculate the perimeter of the shape. Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53		
$\begin{array}{c} 6 \text{ cm} \\ \hline P=? \\ 4 \text{ cm} \\ \hline 3 \text{ cm} \\ \hline 4 \text{ cm} \\ \hline Calculate the perimeter of the shape. \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 \\ \hline Theme: Geometry P$		
P=? 4 cm 2 cm 3 cm 4 cm Calculate the perimeter of the shape. Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53		
P = ? $P = ?$ $P = ?$ $P = ?$ $P = 26cm$		
7 cm 2 cm 3 cm 4 cm Calculate the perimeter of the shape. Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53		
2 cm 3 cm 4 cm Calculate the perimeter of the shape. 1 minute Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53		
3 cm 4 cm Calculate the perimeter of the shape. 1 minute Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53		
4 cm Calculate the perimeter of the shape. 1 minute Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53		
4 cm Calculate the perimeter of the shape. 1 minute Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53		
Calculate the perimeter of the shape. 1 minute Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53		
1 minute Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53		
Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53		
Lesson Title: Finding the Perimeter of Irregular Shapes Lesson Title: Finding the Perimeter of Irregular Shapes		
Consider the irregular shape below: Answer:		
8cm		
P = 8 + 10 + 5 + 7 + 3 + 3		
3cm		
10cm $P = 36 \ cm$		
Zcm		
5cm		
Calculate the perimeter of the shape.		
Calculate the perimeter of the shape. 1 minute		
Calculate the perimeter of the shape. 1 minute Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54 Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54		
Calculate the perimeter of the shape. 1 minute Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54 Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54 Lesson Title: Finding the Perimeter of Irregular Shapes Lesson Title: Finding the Perimeter of Irregular Shapes		
Calculate the perimeter of the shape.1 minuteTheme: Geometry Perimeters and Areas (M-06-082) CODE BB54Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54Lesson Title: Finding the Perimeter of Irregular ShapesLesson Title: Finding the Perimeter of Irregular ShapesConsider the irregular shape:Answer:		
Calculate the perimeter of the shape.1 minuteTheme: Geometry Perimeters and Areas (M-06-082) CODE BB54Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54Lesson Title: Finding the Perimeter of Irregular ShapesLesson Title: Finding the Perimeter of Irregular ShapesConsider the irregular shape:Answer:60mm $P = 60 + 15 + 40 + 30 + 20 + 45$		
Calculate the perimeter of the shape.1 minuteTheme: Geometry Perimeters and Areas (M-06-082) CODE BB54Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54Lesson Title: Finding the Perimeter of Irregular ShapesLesson Title: Finding the Perimeter of Irregular ShapesConsider the irregular shape:Answer:60mm $P = 60 + 15 + 40 + 30 + 20 + 45$		
Calculate the perimeter of the shape.1 minuteTheme: Geometry Perimeters and Areas (M-06-082) CODE BB54Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54Lesson Title: Finding the Perimeter of Irregular ShapesLesson Title: Finding the Perimeter of Irregular ShapesConsider the irregular shape:Answer:60mm $P = 60 + 15 + 40 + 30 + 20 + 45$ Ismm $P = 210mm$		
Calculate the perimeter of the shape.1 minuteTheme: Geometry Perimeters and Areas (M-06-082) CODE BB54Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54Lesson Title: Finding the Perimeter of Irregular ShapesLesson Title: Finding the Perimeter of Irregular ShapesConsider the irregular shape:Answer:60mm $P = 60 + 15 + 40 + 30 + 20 + 45$ $P = 210mm$		
Calculate the perimeter of the shape.1 minuteTheme: Geometry Perimeters and Areas (M-06-082) CODE BB54Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54Lesson Title: Finding the Perimeter of Irregular ShapesLesson Title: Finding the Perimeter of Irregular ShapesConsider the irregular shape:Answer:60mm $P = 60 + 15 + 40 + 30 + 20 + 45$ $P = 210mm$		
Calculate the perimeter of the shape.1 minuteTheme: Geometry Perimeters and Areas (M-06-082) CODE BB54Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54Lesson Title: Finding the Perimeter of Irregular ShapesLesson Title: Finding the Perimeter of Irregular ShapesConsider the irregular shape:Answer:60mm $P = 60 + 15 + 40 + 30 + 20 + 45$ $P = 210mm$		
Calculate the perimeter of the shape.1 minuteTheme: Geometry Perimeters and Areas (M-06-082) CODE BB54Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54Lesson Title: Finding the Perimeter of Irregular ShapesLesson Title: Finding the Perimeter of Irregular ShapesConsider the irregular shape:Answer:60mm $P = 60 + 15 + 40 + 30 + 20 + 45$ $P = 210mm$		
Calculate the perimeter of the shape.1 minuteTheme: Geometry Perimeters and Areas (M-06-082) CODE BB54Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54Lesson Title: Finding the Perimeter of Irregular ShapesLesson Title: Finding the Perimeter of Irregular ShapesConsider the irregular shape:Answer:60mm $P = 60 + 15 + 40 + 30 + 20 + 45$ $P = 210mm$ Galculate the perimeter of the shape		
Calculate the perimeter of the shape.1 minuteTheme: Geometry Perimeters and Areas (M-06-082) CODE BB54Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54Lesson Title: Finding the Perimeter of Irregular ShapesLesson Title: Finding the Perimeter of Irregular ShapesConsider the irregular shape:Answer:60mmP = 60 + 15 + 40 + 30 + 20 + 45 $P = 210mm$ Calculate the perimeter of the shape.2 minutes		
Calculate the perimeter of the shape. 1 minute Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54 Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54 Lesson Title: Finding the Perimeter of Irregular Shapes Lesson Title: Finding the Perimeter of Irregular Shapes Consider the irregular shape: Answer: 60mm P = 60 + 15 + 40 + 30 + 20 + 45 $P = 60 + 15 + 40 + 30 + 20 + 45$ P = 210mm Calculate the perimeter of the shape. 2 minutes		
Calculate the perimeter of the shape. 1 minute Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54 Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54 Lesson Title: Finding the Perimeter of Irregular Shapes Lesson Title: Finding the Perimeter of Irregular Shapes Consider the irregular shape: Answer: 60mm $P = 60 + 15 + 40 + 30 + 20 + 45$ $P = 60 + 15 + 40 + 30 + 20 + 45$ $P = 210mm$ Calculate the perimeter of the shape. 2 minutes Theme: Geometry Perimeters and Areas (M-06-082) CODE BB55 Theme: Geometry Perimeters and Areas (M-06-082) CODE BB55 Theme: Geometry Perimeters and Areas (M-06-082) CODE BB55 Theme: Geometry Perimeters and Areas (M-06-082) CODE BB55		
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Calculate the perimeter of the shape. 1 minute Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54 Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54 Lesson Title: Finding the Perimeter of Irregular Shapes Lesson Title: Finding the Perimeter of Irregular Shapes Consider the irregular shape: Answer: 60mm 9 cm 40mm 15mm 30mm 2 minutes Theme: Geometry Perimeters and Areas (M-06-082) CODE BB55 Lesson Title: Finding the perimeter of the shape. 2 minutes Theme: Geometry Perimeters and Areas (M-06-082) CODE BB55 Theme: Geometry Perimeters and Areas (M-06-082) CODE BB55 Lesson Title: Finding the Perimeter of Irregular Shapes Consider the irregular shape: 9 cm 7 cm		
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Calculate the perimeter of the shape.1 minuteTheme: Geometry Perimeters and Areas (M-06-082) CODE BB54Lesson Title: Finding the Perimeter of Irregular ShapesConsider the irregular shape:Answer: 0 00 <th <="" colspan="2" td=""></th>		

Theme: Geometry Perimeters and Areas (M-06-083) CODE BB56	Theme: Geometry Perimeters and Areas (M-06-083) CODE BB56
Lesson Title: Area of Squares and Rectangles	Lesson Title: Area of Squares and Rectangles
Consider the square:	Answer:
s	$P = \mathbf{s} \times \mathbf{s}$
	Or D 2
	$P = S^2$
s	
Write down the general formula for calculating the area of a square.	
1 minute	
Theme: Geometry Perimeters and Areas (M-06-083) CODE BB57	Theme: Geometry Perimeters and Areas (M-06-083) CODE BB57
Lesson Title: Area of Squares and Rectangles	Lesson Title: Area of Squares and Rectangles
Consider the rectangle:	Answer:
	$P = l \times w$
W	or
	P = lw
1	
Write down the general formula for calculating the area	
30 seconds	
Theme: Geometry Perimeters and Areas (M.06.083) CODE BB58	The max Cooperate Designation and Areas (NA OC 002) CODE DDES
	Theme: Geometry Perimeters and Areas (N-06-083) CODE BB38
Lesson Title: Area of Squares and Rectangles	Lesson Title: Area of Squares and Rectangles
Lesson Title: Area of Squares and Rectangles Calculate the area of the following rectangle:	Lesson Title: Area of Squares and Rectangles Answer:
Lesson Title: Area of Squares and Rectangles Calculate the area of the following rectangle:	Lesson Title: Area of Squares and Rectangles Answer:
Lesson Title: Area of Squares and Rectangles Calculate the area of the following rectangle:	Lesson Title: Area of Squares and Rectangles Answer: $P = l \times w$
Lesson Title: Area of Squares and Rectangles Calculate the area of the following rectangle:	Lesson Title: Area of Squares and Areas (M-06-063) CODE BB38 Answer: $P = l \times w$ $P = 4 \times 3 = 12 inches$
Lesson Title: Area of Squares and Rectangles Calculate the area of the following rectangle:	Lesson Title: Area of Squares and Rectangles Answer: $P = l \times w$ $P = 4 \times 3 = 12$ inches
Lesson Title: Area of Squares and Rectangles Calculate the area of the following rectangle:	Lesson Title: Area of Squares and Areas (M-06-063) CODE BB38 Answer: $P = l \times w$ $P = 4 \times 3 = 12 inches$
Lesson Title: Area of Squares and Rectangles Calculate the area of the following rectangle:	Lesson Title: Area of Squares and Areas (M-06-083) CODE BB38 Answer: $P = l \times w$ $P = 4 \times 3 = 12 inches$
Lesson Title: Area of Squares and Rectangles Calculate the area of the following rectangle:	Lesson Title: Area of Squares and Areas (M-06-063) CODE BB38 Answer: $P = l \times w$ $P = 4 \times 3 = 12 inches$
Lesson Title: Area of Squares and Rectangles Calculate the area of the following rectangle: 3 inches 4 inches	Lesson Title: Area of Squares and Rectangles Answer: $P = l \times w$ $P = 4 \times 3 = 12 inches$
Lesson Title: Area of Squares and Rectangles Calculate the area of the following rectangle: 3 inches 4 inches	Lesson Title: Area of Squares and Areas (M-06-063) CODE BB38 Answer: $P = l \times w$ $P = 4 \times 3 = 12 inches$
Lesson Title: Area of Squares and Rectangles Calculate the area of the following rectangle: 3 inches 4 inches 30 seconds Theme: Geometry Perimeters and Areas (M-06-084) CODE BB59	Lesson Title: Area of Squares and Areas (M-06-083) CODE BB38 Answer: $P = l \times w$ $P = 4 \times 3 = 12 inches$ Theme: Geometry Perimeters and Areas (M-06-084) CODE BB59
Lesson Title: Area of Squares and Rectangles Calculate the area of the following rectangle: 3 inches 4 inches 30 seconds Theme: Geometry Perimeters and Areas (M-06-084) CODE BB59 Lesson Title: Area of Triangles	Theme: Geometry Perimeters and Areas (M-06-083) CODE BB38 Lesson Title: Area of Squares and Rectangles Answer: $P = l \times w$ $P = 4 \times 3 = 12$ inches Theme: Geometry Perimeters and Areas (M-06-084) CODE BB59 Lesson Title: Area of Triangles
Lesson Title: Area of Squares and Rectangles Calculate the area of the following rectangle: 3 inches 3 inches 30 seconds Theme: Geometry Perimeters and Areas (M-06-084) CODE BB59 Lesson Title: Area of Triangles Consider the triangle below and answer the following	Lesson Title: Area of Squares and Rectangles Answer: $P = l \times w$ $P = 4 \times 3 = 12$ inches Theme: Geometry Perimeters and Areas (M-06-084) CODE BB59 Lesson Title: Area of Triangles Answer:
Lesson Title: Area of Squares and Rectangles Calculate the area of the following rectangle: 3 inches 4 inches 30 seconds Theme: Geometry Perimeters and Areas (M-06-084) CODE BB59 Lesson Title: Area of Triangles Consider the triangle below and answer the following questions:	Lesson Title: Area of Squares and Rectangles Answer: $P = l \times w$ $P = 4 \times 3 = 12$ inches Theme: Geometry Perimeters and Areas (M-06-084) CODE BB59 Lesson Title: Area of Triangles Answer:
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Lesson Title: Area of Squares and Rectangles Calculate the area of the following rectangle: 3 inches 3 inches 30 seconds Theme: Geometry Perimeters and Areas (M-06-084) CODE BB59 Lesson Title: Area of Triangles Consider the triangle below and answer the following questions:	Lesson Title: Area of Squares and Rectangles Answer: $P = l \times w$ $P = 4 \times 3 = 12$ inches Theme: Geometry Perimeters and Areas (M-06-084) CODE BB59 Lesson Title: Area of Triangles Answer: a) $P = 3cm + 6cm + 3cm = 12cm$
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Lesson Title: Area of Squares and Rectangles Calculate the area of the following rectangle:	Lesson Title: Area of Squares and Rectangles Answer: $P = l \times w$ $P = 4 \times 3 = 12 inches$ Theme: Geometry Perimeters and Areas (M-06-084) CODE BB59 Lesson Title: Area of Triangles Answer: a) P = 3cm + 6cm + 3cm = 12cm b) $A = \frac{1}{2} \times base \times perpendicular height$
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Lesson Title: Area of Squares and Rectangles Calculate the area of the following rectangle:	Lesson Title: Area of Squares and Rectangles Answer: $P = l \times w$ $P = 4 \times 3 = 12 inches$ Theme: Geometry Perimeters and Areas (M-06-084) CODE BB59 Lesson Title: Area of Triangles Answer: a) P = 3cm + 6cm + 3cm = 12cm b) $A = \frac{1}{2} \times base \times perpendicular height$ $A = \frac{1}{2} \times 6cm \times 7cm = 21cm^{2}$
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Theme: Geometry Perimeters and Areas (M-06-084) CODE BB60	Theme: Geometry Perimeters and Areas (M-06-084) CODE BB60
Lesson Title: Area of Triangles	Lesson Title: Area of Triangles
Consider the triangle and answer the following questions:	Answer:
1	
	a)
Scm	P = 8cm + 12cm + 5cm = 25cm
12cm	b)
	$A = \frac{1}{2} \times \text{base} \times \text{perpendicular height}$
a) Determine the perimeter	$A = \frac{1}{2} \times 12$ cm x 5 cm = 30 cm²
b) Determine the area.	$n = \frac{1}{2} \times 12 \operatorname{cm} \times \operatorname{scm} = \operatorname{socm}$
2 minutes	
Theme: Geometry Perimeters and Areas (M-06-085) CODE BB61	Theme: Geometry Perimeters and Areas (M-06-085) CODE BB61
Lesson Title: Area of Composite Shapes	Lesson Title: Area of Composite Shapes
Consider the composite shape	Answer:
18 m	Area of rectangle = $1 \times w$
<u>р ч </u> ч	
20 m	Area of rectangle = $20m \times 18m = 360m^2$
2011	While:
lam Z	Area of triangle = $\frac{1}{2}$ × base × peperndicular height
16 m	$A = \frac{1}{2} \times 26m \times 16cm = 208m^2$
	2
Determine the area of the shape.	Thus: Area of composite snape = $208m^2 + 360m^2$
3 minutes	$= 568m^2$
Theme: Geometry of Triangles (M-06-091) CODE BB62	
meme. Geometry of mangies (M=00=031) OODL DD02	Theme: Geometry of Triangles (M-06-091) CODE BB62
Lesson Title: Properties of Right-Angled Triangles	Lesson Title: Properties of Right-Angled Triangles
Lesson Title: Properties of Right-Angled Triangles Calculate the sum of the interior angles of the triangle:	Lesson Title: Properties of Right-Angled Triangles Answer:
Lesson Title: Properties of Right-Angled Triangles Calculate the sum of the interior angles of the triangle:	Lesson Title: Properties of Right-Angled Triangles Answer:
Lesson Title: Properties of Right-Angled Triangles Calculate the sum of the interior angles of the triangle:	Lesson Title: Properties of Right-Angled Triangles Answer: Sum of the interior angles
Lesson Title: Properties of Right-Angled Triangles Calculate the sum of the interior angles of the triangle: 109°	Lesson Title: Properties of Right-Angled Triangles Answer: Sum of the interior angles $= 48^{\circ} + 23^{\circ} + 109^{\circ} = 180^{\circ}$
Lesson Title: Properties of Right-Angled Triangles Calculate the sum of the interior angles of the triangle: 109°	Lesson Title: Properties of Right-Angled Triangles Answer: Sum of the interior angles $= 48^{\circ} + 23^{\circ} + 109^{\circ} = 180^{\circ}$
Lesson Title: Properties of Right-Angled Triangles Calculate the sum of the interior angles of the triangle:	Lesson Title: Properties of Right-Angled Triangles Answer: Sum of the interior angles $= 48^{\circ} + 23^{\circ} + 109^{\circ} = 180^{\circ}$
Lesson Title: Properties of Right-Angled Triangles Calculate the sum of the interior angles of the triangle:	Lesson Title: Properties of Right-Angled Triangles Answer: Sum of the interior angles $= 48^{\circ} + 23^{\circ} + 109^{\circ} = 180^{\circ}$
Lesson Title: Properties of Right-Angled Triangles Calculate the sum of the interior angles of the triangle:	Lesson Title: Properties of Right-Angled Triangles Answer: Sum of the interior angles $= 48^{\circ} + 23^{\circ} + 109^{\circ} = 180^{\circ}$
Lesson Title: Properties of Right-Angled Triangles Calculate the sum of the interior angles of the triangle:	Lesson Title: Properties of Right-Angled Triangles Answer: Sum of the interior angles $= 48^{\circ} + 23^{\circ} + 109^{\circ} = 180^{\circ}$
Lesson Title: Properties of Right-Angled Triangles Calculate the sum of the interior angles of the triangle:	Lesson Title: Properties of Right-Angled Triangles Answer: Sum of the interior angles $= 48^{\circ} + 23^{\circ} + 109^{\circ} = 180^{\circ}$
Lesson Title: Properties of Right-Angled Triangles Calculate the sum of the interior angles of the triangle:	Lesson Title: Properties of Right-Angled Triangles Answer: Sum of the interior angles $= 48^{\circ} + 23^{\circ} + 109^{\circ} = 180^{\circ}$
Lesson Title: Properties of Right-Angled Triangles Calculate the sum of the interior angles of the triangle:	Theme: Geometry of Triangles (M-06-091) CODE BB62 Lesson Title: Properties of Right-Angled Triangles Answer: Sum of the interior angles $= 48^{\circ} + 23^{\circ} + 109^{\circ} = 180^{\circ}$ Theme: Geometry of Triangles (M-06-091) CODE BB63
Lesson Title: Properties of Right-Angled Triangles Calculate the sum of the interior angles of the triangle:	Theme: Geometry of Triangles (M-06-091) CODE BB62 Lesson Title: Properties of Right-Angled Triangles Answer: Sum of the interior angles $= 48^{\circ} + 23^{\circ} + 109^{\circ} = 180^{\circ}$ Theme: Geometry of Triangles (M-06-091) CODE BB63 Lesson Title: Properties of Right-Angled Triangles
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Lesson Title: Properties of Right-Angled Triangles Calculate the sum of the interior angles of the triangle:	Theme: Geometry of Triangles (M-06-091) CODE BB62 Lesson Title: Properties of Right-Angled Triangles Answer: Sum of the interior angles $= 48^{\circ} + 23^{\circ} + 109^{\circ} = 180^{\circ}$ Theme: Geometry of Triangles (M-06-091) CODE BB63 Lesson Title: Properties of Right-Angled Triangles Answer: Sum of the interior angles $x^{\circ} + 106^{\circ} + 42^{\circ} = 180^{\circ}$ $x^{\circ} = 180^{\circ} - 106^{\circ} - 42^{\circ}$
Lesson Title: Properties of Right-Angled Triangles Calculate the sum of the interior angles of the triangle:	Theme: Geometry of Triangles (M-06-091) CODE BB62Lesson Title: Properties of Right-Angled Triangles $= 48^{\circ} + 23^{\circ} + 109^{\circ} = 180^{\circ}$ Theme: Geometry of Triangles (M-06-091) CODE BB63Lesson Title: Properties of Right-Angled TrianglesAnswer:Sum of the interior angles $x^{\circ} + 106^{\circ} + 42^{\circ} = 180^{\circ}$ $x^{\circ} = 180^{\circ} - 106^{\circ} - 42^{\circ}$ $x^{\circ} = 32^{\circ}$
Lesson Title: Properties of Right-Angled Triangles Calculate the sum of the interior angles of the triangle:	Theme: Geometry of Triangles (M-06-091) CODE BB62Lesson Title: Properties of Right-Angled Triangles $= 48^{\circ} + 23^{\circ} + 109^{\circ} = 180^{\circ}$ Theme: Geometry of Triangles (M-06-091) CODE BB63Lesson Title: Properties of Right-Angled TrianglesAnswer:Sum of the interior angles $x^{\circ} + 106^{\circ} + 42^{\circ} = 180^{\circ}$ $x^{\circ} = 180^{\circ} - 106^{\circ} - 42^{\circ}$ $x^{\circ} = 32^{\circ}$
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Theme: Geometry of Triangles (M-06-091) CODE BB64	Theme: Geometry of Triangles (M-06-091) CODE BB64
Lesson Title: Properties of Right-Angled Triangles	Lesson Title: Properties of Right-Angled Triangles
Consider the triangle:	Answer:
	c° c° c° c° c° c°
C°	Sum of the angles = $c + 25 + 90$
	180 = c + 25 + 90
25	180 - 25 - 90 = c
	c = 65
Determine the value of the missing angle c°	
1 minute	
Theme: Geometry of Triangles (M-06-092) CODE BB65	Theme: Geometry of Triangles (M-06-092) CODE BB65
Lesson Title: Properties of Isosceles Triangles	Lesson Title: Properties of Isosceles Triangles
Consider the triangle below:	Answer:
E F am	Noto: A DEE is an isoscolos triangle
3 611	
F	Then it follows that: $DF = EF$ (sides opposite equal angles)
?	Hence: $\mathbf{DF} = \mathbf{5cm}$
D	
Determine the length of side DF	
30 seconds	
Theme: Geometry of Triangles (M-06-092) CODE BB66	Theme: Geometry of Triangles (M-06-092) CODE BB66
Lesson Title: Properties of Isosceles Triangles	Lesson Title: Properties of Isosceles Triangles
Lesson Title: Properties of Isosceles Triangles Consider the triangle below:	Lesson Title: Properties of Isosceles Triangles Answer:
Lesson Title: Properties of Isosceles Triangles Consider the triangle below:	Lesson Title: Properties of Isosceles Triangles Answer:
Lesson Title: Properties of Isosceles Triangles Consider the triangle below:	Lesson Title: Properties of Isosceles Triangles AABC is an isosceles triangle
Lesson Title: Properties of Isosceles Triangles Consider the triangle below:	Lesson Title: Properties of Isosceles Triangles Answer: △ABC is an isosceles triangle
Lesson Title: Properties of Isosceles Triangles Consider the triangle below:	Lesson Title: Properties of Isosceles TrianglesAnswer: $\triangle ABC$ is an isosceles triangleThen: $40^{\circ} = x$ (angles opposite equal sides)
Lesson Title: Properties of Isosceles Triangles Consider the triangle below:	Lesson Title: Properties of Isosceles Triangles Answer: \triangle ABC is an isosceles triangle Then: $40^{\circ} = x$ (angles opposite equal sides) Hence: $x = 40^{\circ}$
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Lesson Title: Properties of Isosceles Triangles Consider the triangle below: A A A A A A O C Determine the size of angle x. 30 seconds Theme: Geometry of Triangles (M-06-092) CODE BB67 Lesson Title: Properties of Isosceles Triangles Consider the triangle: A C C C C C C C C C C C C C C C C C C	Lesson Title: Properties of Isosceles Triangles Answer: ΔABC is an isosceles triangle Then: $40^{\circ} = x$ (angles opposite equal sides) Hence: $x = 40^{\circ}$ Theme: Geometry of Triangles (M-06-092) CODE BB67 Lesson Title: Properties of Isosceles Triangles Answer: Note: The triangle is an isosceles triangle Then: $72^{\circ} = x^{\circ}$ (angles opposite equal sides) And by the sum of interior angles of a triangle, we have: $180^{\circ} = 72^{\circ} + 72^{\circ} + y^{\circ}$ $180^{\circ} - 144^{\circ} = y^{\circ}$
Lesson Title: Properties of Isosceles Triangles Consider the triangle below: A A B C Determine the size of angle x. 30 seconds Theme: Geometry of Triangles (M-06-092) CODE BB67 Lesson Title: Properties of Isosceles Triangles Consider the triangle: A C C S C C C C C C C C C C C C C C C C	Lesson Title: Properties of Isosceles Triangles Answer: ΔABC is an isosceles triangle Then: $40^{\circ} = x$ (angles opposite equal sides) Hence: $x = 40^{\circ}$ Theme: Geometry of Triangles (M-06-092) CODE BB67 Lesson Title: Properties of Isosceles Triangles Answer: Note: The triangle is an isosceles triangle Then: $72^{\circ} = x^{\circ}$ (angles opposite equal sides) And by the sum of interior angles of a triangle, we have: $180^{\circ} = 72^{\circ} + 72^{\circ} + y^{\circ}$ $180^{\circ} - 144^{\circ} = y^{\circ}$ Therefore:
Lesson Title: Properties of Isosceles Triangles Consider the triangle below: A A B C Determine the size of angle x. 30 seconds Theme: Geometry of Triangles (M-06-092) CODE BB67 Lesson Title: Properties of Isosceles Triangles Consider the triangle: Consider the triangle:	Lesson Title: Properties of Isosceles Triangles Answer: ΔABC is an isosceles triangle Then: $40^{\circ} = x$ (angles opposite equal sides) Hence: $x = 40^{\circ}$ Theme: Geometry of Triangles (M-06-092) CODE BB67 Lesson Title: Properties of Isosceles Triangles Answer: Note: The triangle is an isosceles triangle Then: $72^{\circ} = x^{\circ}$ (angles opposite equal sides) And by the sum of interior angles of a triangle, we have: $180^{\circ} = 72^{\circ} + 72^{\circ} + y^{\circ}$ $180^{\circ} - 144^{\circ} = y^{\circ}$ Therefore: $x^{\circ} = 25^{\circ}$
Lesson Title: Properties of Isosceles Triangles Consider the triangle below: A A C Determine the size of angle x. 30 seconds Theme: Geometry of Triangles (M-06-092) CODE BB67 Lesson Title: Properties of Isosceles Triangles Consider the triangle: Consider the triangle: Determine the size of angles x° and y°	Lesson Title: Properties of Isosceles Triangles Answer: ΔABC is an isosceles triangle Then: $40^{\circ} = x$ (angles opposite equal sides) Hence: $x = 40^{\circ}$ Theme: Geometry of Triangles (M-06-092) CODE BB67 Lesson Title: Properties of Isosceles Triangles Answer: Note: The triangle is an isosceles triangle Then: $72^{\circ} = x^{\circ}$ (angles opposite equal sides) And by the sum of interior angles of a triangle, we have: $180^{\circ} = 72^{\circ} + 72^{\circ} + y^{\circ}$ $180^{\circ} - 144^{\circ} = y^{\circ}$ Therefore: $y^{\circ} = 36^{\circ}$

Theme: Geometry of Triangles (M-06-093) CODE BB68	Theme: Geometry of Triangles (M-06-093) CODE BB68
Lesson Title: Properties of Equilateral Triangles	Lesson Title: Properties of Equilateral Triangles
Consider the equilateral triangle below:	Answer:
a) Determine the perimeter of the triangle b) Determine the area of the triangle.	a) $P = 8cm + 8cm + 8cm = 24cm$ b) $A = \frac{1}{2} \times \text{base} \times \text{perpendicular height}$ $A = \frac{1}{2} \times 8cm \times 6.9cm = 27.6cm^2$
2 minutes	
Theme: Geometry of Triangles (M-06-093) CODE BB69	Theme: Geometry of Triangles (M-06-093) CODE BB69
Theme: Geometry of Triangles (M-06-093) CODE BB69 Lesson Title: Properties of Equilateral Triangles	Theme: Geometry of Triangles (M-06-093) CODE BB69 Lesson Title: Properties of Equilateral Triangles
Theme: Geometry of Triangles (M-06-093) CODE BB69 Lesson Title: Properties of Equilateral Triangles Solve the following word problem:	Theme: Geometry of Triangles (M-06-093) CODE BB69 Lesson Title: Properties of Equilateral Triangles Answer:
Theme: Geometry of Triangles (M-06-093) CODE BB69 Lesson Title: Properties of Equilateral Triangles Solve the following word problem: Consider an equilateral triangle whose sides are 40mm.	Theme: Geometry of Triangles (M-06-093) CODE BB69 Lesson Title: Properties of Equilateral Triangles Answer: a) $P = 40mm + 40mm + 40mm = 120mm$ b) $A = \frac{1}{2} \times base \times peperndicular height$
Theme: Geometry of Triangles (M-06-093) CODE BB69 Lesson Title: Properties of Equilateral Triangles Solve the following word problem: Consider an equilateral triangle whose sides are 40mm. a) What is the perimeter of the equilateral triangle?	Theme: Geometry of Triangles (M-06-093) CODE BB69 Lesson Title: Properties of Equilateral Triangles Answer: a) $P = 40mm + 40mm + 40mm = 120mm$ b) $A = \frac{1}{2} \times base \times peperndicular height$ $320mm^2 = \frac{1}{2} \times 40mm \times height$
Theme: Geometry of Triangles (M-06-093) CODE BB69 Lesson Title: Properties of Equilateral Triangles Solve the following word problem: Consider an equilateral triangle whose sides are 40mm. a) What is the perimeter of the equilateral triangle? b) If the area is $320mm^2$, find the height of the equilateral	Theme: Geometry of Triangles (M-06-093) CODE BB69 Lesson Title: Properties of Equilateral Triangles Answer: a) $P = 40mm + 40mm + 40mm = 120mm$ b) $A = \frac{1}{2} \times base \times peperndicular height$ $320mm^2 = \frac{1}{2} \times 40mm \times height$ $640mm^2 = 40mm \times height$
Theme: Geometry of Triangles (M-06-093) CODE BB69 Lesson Title: Properties of Equilateral Triangles Solve the following word problem: Consider an equilateral triangle whose sides are 40mm. a) What is the perimeter of the equilateral triangle? b) If the area is $320mm^2$, find the height of the equilateral triangle .	Theme: Geometry of Triangles (M-06-093) CODE BB69 Lesson Title: Properties of Equilateral Triangles Answer: a) $P = 40mm + 40mm + 40mm = 120mm$ b) $A = \frac{1}{2} \times base \times peperndicular height$ $320mm^2 = \frac{1}{2} \times 40mm \times height$ $640mm^2 = 40mm \times height$ $\frac{640mm^2}{40mm} = height$
Theme: Geometry of Triangles (M-06-093) CODE BB69 Lesson Title: Properties of Equilateral Triangles Solve the following word problem: Consider an equilateral triangle whose sides are 40mm. a) What is the perimeter of the equilateral triangle? b) If the area is $320mm^2$, find the height of the equilateral triangle .	Theme: Geometry of Triangles (M-06-093) CODE BB69 Lesson Title: Properties of Equilateral Triangles Answer: a) $P = 40mm + 40mm + 40mm = 120mm$ b) $A = \frac{1}{2} \times base \times peperndicular height$ $320mm^2 = \frac{1}{2} \times 40mm \times height$ $640mm^2 = 40mm \times height$ $\frac{640mm^2}{40mm} = height$ Thus: height = 16mm