Sierra Leone

WINNING TEAMS: Mathematics

Questions for teams

Primary 6 (Term 2) to support JSS1 Term 2

Leh Wi Lan

Numbers and Numeration; Decimals & Percent (M-06-096) CODE BB1	Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB5
Lesson Title: Conversion from Fractions to Decimals	Lesson Title: Conversion from Decimals to Fractions
Using the long division method, convert the fraction $\frac{4}{5}$ into a decimal number up to the thousandths place.	Convert the decimal numbers below into simple fractions: a) 0.250
	b) 0.78
2 minutes	2 minutes
Numbers and Numeration; Decimals & Percent (M-06-096) CODE BB2	Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB6
Lesson Title: Conversion from Fractions to Decimals	Lesson Title: Conversion from Decimals to Fractions
Using the long division method; convert the fraction $\frac{19}{25}$ into a decimal number up to the thousandths place .	Convert the decimal numbers below into improper fractions: a) 0.66
	b) 0.88
2 minutes Numbers and Numeration; Decimals & Percent (M-06-096) CODE BB3 Lesson Title: Conversion from Fractions to Decimals	2 minutes Numbers and Numeration; Decimals & Percent (M-06-097) CODE BB7 Lesson Title: Conversion from Decimals to Fractions
Using long division, convert the fraction $\frac{2}{3}$ into a recurring decimal number.	Convert the decimal numbers below into mixed fractions: a) 5.10 b) 11.7
2 minutes	2 minutes

Numbers and Numeration; Decimals & Percent (M-06-096) CODE BB4	Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB8
Lesson Title: Conversion from Fractions to Decimals	Lesson Title: Conversion from Fractions to Percentages
Using long division, convert the mixed fraction $3\frac{4}{3}$ into a decimal number up to the thousands place . Tip: Convert the mixed fraction into an improper fraction, then use long division.	Explain the word percentage .
2 minutes	30 seconds
Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB9	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB13
Lesson Title: Conversion from Fractions to Percentages	Lesson Title: Proportion and Fractions
Convert the fractions into percentages: a) $\frac{14}{20}$ b) $\frac{6}{15}$	Complete the sentence: When two fractions are, we say they are in proportion.
2 minutes	30 seconds
Numbers and Numeration; Decimals & Percent (M-06-098) CODE BB10	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB14
Lesson Title: Conversion from Fractions to Percentages	Lesson Title: Proportion and Fractions
Convert the percentages below into simple fractions: a) 120% b) 75%	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	2 minutes

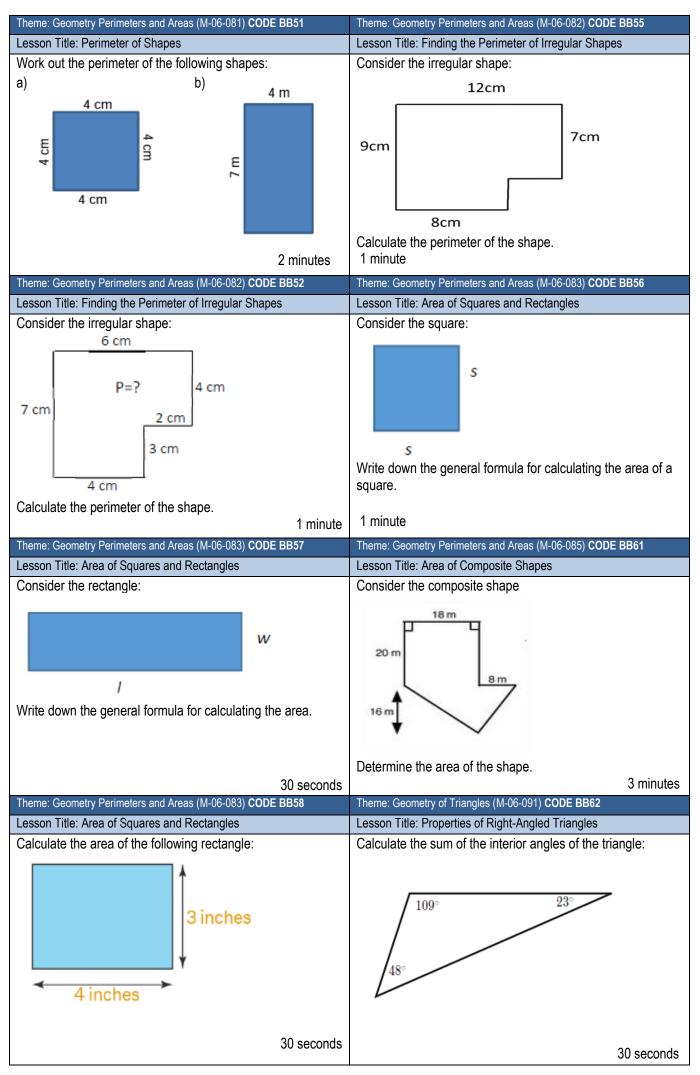
Numbers and Numeration; Decimals & Percent (M-06-099) CODE BB11	N&N Everyday Arithmetic; Ratio and Proportion (M-06-136) CODE BB15
Lesson Title: Conversion from Percentages to Decimals	Lesson Title: Proportion and Fractions
Convert the following percentages into decimal numbers: a) 175% b) 13%	The following 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 $\frac{3}{2}$
2 minutes	2 minutes
Numbers and Numeration; Decimals & Percent (M-06-100) CODE BB12	N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB16
Lesson Title: Conversion from Decimals to Percentages	Lesson Title: Proportion and Fractions
Convert the following decimal numbers into percentages: a) 1.230 b) 0.74	In the class, there is a ratio of 3 boys : 2 girls. This means that
2 minutes	30 accords
2 minutes	30 seconds
N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB17 Lesson Title: Proportion and Fractions	N&N Everyday Arithmetic; Ratio and Proportion (M-06-139) CODE BB21 Lesson Title: Proportion and Fractions
I have a bag containing red and blue marbles. The bag has a total of 15 red marbles and 9 blue marbles. a) Determine the simple fraction that relates the number of blue marbles to the number of red marbles inside the bag.	If the ratios $2:y$ and $18:81$ are equivalent, find the value of y .
b) Determine the ratio of blue to red marbles in its simplest form.	
2 minutes	1 minute
N&N Everyday Arithmetic; Ratio and Proportion (M-06-137) CODE BB18	N&N Everyday Arithmetic; Ratio and Proportion (M-06-140) CODE BB22
Lesson Title: Proportion and Fractions	Lesson Title: Writing ratio in its simplest form.
The ratio of bananas to melons is given as 30 : 1 .	Write the following ratios in their simplest form:
If there are 300 bananas, how many melons are there?	a) Garry practices 200 math sums in 240 minutes
	b) 24 blue cars out of 30 cars
	c) 16 blue lollipops to 24 lollipops
$1\frac{1}{2}$ minutes	

N&N Everyday Arithmetic; Ratio and Proportion (M-06-138) CODE BB19	N&N Everyday Arithmetic; Ratio and Proportion (M-06-141) CODE BB23
Lesson Title: Equivalent ratio	Lesson Title: Sharing Quantities Using Ratio
Pick three ratios that are equivalent to 4:3	Western described the City of
a) 8 : 6	Work out each of the following problems.
b) 9:12	a) Divide $315ml$ in the ratio $2:7$
c) 20 : 15	b) Share 120 hours in the ratio 5 : 8
d) 32: 24	c) Divide Le 240,000 in the ratio 1:3
e) 36 : 28 2 minutes	2 minutes
N&N Everyday Arithmetic; Ratio and Proportion (M-06-138) CODE BB20	N&N Everyday Arithmetic; Ratio and Proportion (M-06-141) CODE BB24
Lesson Title: Equivalent ratio	Lesson Title: Sharing Quantities Using Ratio
Which of the following ratios is equivalent to 27 : 9 ? a) 9 : 6	Pearl has 60 sweets. The ratio of red sweets to green sweets is 3 : 2 . How many red sweets does Pearl have?
b) 3:1	
c) 1 : 3	
30 seconds	2 minutes
N&N Everyday Arithmetic; Ratio and Proportion (M-06-142) CODE BB25	N&N Everyday Arithmetic; Ratio and Proportion (M-06-146) CODE BB29
Lesson Title: Word Problems with Ratio	Lesson Title: Solving Word Problems Involving Fractions
If Solly drew 10 squares and 30 triangles, then: a) What is the ratio of squares to triangles in simplest form?	Martha spent $\frac{4}{9}$ of her allowance on food and shopping. What fraction of her allowance is left over?
b) What is the ratio of triangles to all shapes in simplest form?	
2 minutes	,
N&N Everyday Arithmetic; Ratio and Proportion (M-06-143) CODE BB26	1 minute N&N Everyday Arithmetic; Ratio and Proportion (M-06-148) CODE BB30
Lesson Title: Direct Proportion	Lesson Title: Solving Word Problems Involving Percentages
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?	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?
2 minutes	$1\frac{1}{2}$ minutes

N&N Everyday Arithmetic; Ratio and Proportion (M-06-146) CODE BB27	Theme: Everyday Arithmetic; Percentages (M-06-101) CODE BB31
Lesson Title: Solving Word Problems Involving Fractions	Lesson Title: Percentage of a Quantity – Simple Problems
Terrence won Le 123,000 from a Saturday night game show. He decides to invest $\frac{3}{4}$ of his winnings and spends the rest with his family.	Work out each of the following problems: a) Find 10% of 20 km
a) How much of the winnings did he invest?	b) Find 16% of 15 cm
b) How much of the winnings did he spend with his family?	
2 minutes	1 minute
N&N Everyday Arithmetic; Ratio and Proportion (M-06-146) CODE BB28	Theme: Everyday Arithmetic; Percentages (M-06-102) CODE BB32
Lesson Title: Solving Word Problems Involving Fractions	Lesson Title: Percentage of a Quantity – More Problems
A man spends $\frac{2}{5}$ of his salary on house rent, $\frac{3}{10}$ of his salary	Solve the following word problem:
on food and $\frac{1}{8}$ of his salary on clothes altogether. What fraction of his salary did he spend?	A marketplace has a total of 300 stalls available for local vendors to sell their goods. In the first week, 60% of the stalls were occupied.
	a. Find the actual number of stalls occupied.
.1	b. Find the actual number of stalls unoccupied.
$1\frac{1}{2}$ minutes	2 minutes
Theme: Everyday Arithmetic; Percentages (M-06-102) CODE BB33	Theme: Everyday Arithmetic; Percentages (M-06-105) CODE BB37
Lesson Title: Percentage of a Quantity – More Problems	Theme: Everyday Arithmetic; Percentages (M-06-105) CODE BB37 Lesson Title: Simple Interest
Lesson Title: Percentage of a Quantity – More Problems Solve the following word problem: There were 1800 onions in a trader's basket. When he got to market, the trader noticed that 12% of the onions were bad	Lesson Title: Simple Interest Calculate the following using Simple Interest: Sara deposits Le100,000 at a bank at an interest rate of 7%
Lesson Title: Percentage of a Quantity – More Problems Solve the following word problem: There were 1800 onions in a trader's basket. When he got to market, the trader noticed that 12% of the onions were bad and needed to be thrown away.	Lesson Title: Simple Interest Calculate the following using Simple Interest: Sara deposits Le100,000 at a bank at an interest rate of 7% per year.
Lesson Title: Percentage of a Quantity – More Problems Solve the following word problem: There were 1800 onions in a trader's basket. When he got to market, the trader noticed that 12% of the onions were bad and needed to be thrown away. a. How many onions did the trader throw away? b. If the trader sold 450 onions, what percentage of onions	Lesson Title: Simple Interest Calculate the following using Simple Interest: Sara deposits Le100,000 at a bank at an interest rate of 7% per year.
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Lesson Title: Percentage of a Quantity – More Problems Solve the following word problem: There were 1800 onions in a trader's basket. When he got to market, the trader noticed that 12% of the onions were bad and needed to be thrown away. a. How many onions did the trader throw away? b. If the trader sold 450 onions, what percentage of onions did he manage to sell? 3 minutes	Lesson Title: Simple Interest Calculate the following using Simple Interest: Sara deposits Le100,000 at a bank at an interest rate of 7% per year. How much money did Sara accumulate after 4 years?
Lesson Title: Percentage of a Quantity – More Problems Solve the following word problem: There were 1800 onions in a trader's basket. When he got to market, the trader noticed that 12% of the onions were bad and needed to be thrown away. a. How many onions did the trader throw away? b. If the trader sold 450 onions, what percentage of onions did he manage to sell? 3 minutes Theme: Everyday Arithmetic; Percentages (M-06-103) CODE B34 Lesson Title: Profit and Loss as Percentages Work out each of the following problems:	Lesson Title: Simple Interest Calculate the following using Simple Interest: Sara deposits Le100,000 at a bank at an interest rate of 7% per year. How much money did Sara accumulate after 4 years? 2 minutes 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
Lesson Title: Percentage of a Quantity – More Problems Solve the following word problem: There were 1800 onions in a trader's basket. When he got to market, the trader noticed that 12% of the onions were bad and needed to be thrown away. a. How many onions did the trader throw away? b. If the trader sold 450 onions, what percentage of onions did he manage to sell? 3 minutes Theme: Everyday Arithmetic; Percentages (M-06-103) CODE B34 Lesson Title: Profit and Loss as Percentages	Lesson Title: Simple Interest Calculate the following using Simple Interest: Sara deposits Le100,000 at a bank at an interest rate of 7% per year. How much money did Sara accumulate after 4 years? 2 minutes Theme: Everyday Arithmetic; Percentages (M-06-105) CODE BB38 Lesson Title: Simple Interest Enrico bought a car for Le 980,392.
Lesson Title: Percentage of a Quantity – More Problems Solve the following word problem: There were 1800 onions in a trader's basket. When he got to market, the trader noticed that 12% of the onions were bad and needed to be thrown away. a. How many onions did the trader throw away? b. If the trader sold 450 onions, what percentage of onions did he manage to sell? 3 minutes Theme: Everyday Arithmetic; Percentages (M-06-103) CODE B34 Lesson Title: Profit and Loss as Percentages Work out each of the following problems:	Lesson Title: Simple Interest Calculate the following using Simple Interest: Sara deposits Le100,000 at a bank at an interest rate of 7% per year. How much money did Sara accumulate after 4 years? 2 minutes 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

Theme: Everyday Arithmetic; Percentages (M-06-104) CODE BB35	Theme: Everyday Arithmetic; Percentages (M-06-105) CODE BB39
Lesson Title: Word Problems Involving Profit and Loss Percentage	Lesson Title: Simple Interest
Solve the following word problem: A family had planted 20 acres of corn. Unfortunately, there was a severe drought and the family lost 5% of the harvest. a. How many acres of corn did the family lose because of the drought? b. How many acres of corn was the family able to successfully harvest? 2 minutes Theme: Everyday Arithmetic; Percentages (M-06-105) CODE BB36 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 off at the end 3 years. a. How much did she pay in total for her loan? b. How much did she pay in interest? 2 minutes Theme: Measurement and Estimation; Length (M-06-057) CODE BB40 Lesson Title: Conversion from Inches to Feet and Feet to Inches State the rule used to convert from feet to inches and from
Write down the formula for calculating Simple Interest 30 seconds	inches to feet. 1 minute
Theme: Measurement and Estimation; Length (M-06-057) CODE BB41	Theme: Measurement and Estimation; Length (M-06-059) CODE BB45
Lesson Title: Conversion from Inches to Feet and Feet to Inches	Lesson Title: Measuring Objects in Millimetres and Centimetres
Fill in the blank box with the appropriate sign: a. $4 ext{ } ext{$	Convert the following centimetres to millimetres or millimetres to centimetres by multiplying or dividing: a. 3 millimetres = centimetres b. 20 centimetres = millimetres c. 17 millimetres = centimetres
$1\frac{1}{2}$ minutes	1 1
L	$1\frac{1}{2}$ minutes
Theme: Measurement and Estimation; Length (M-06-057) CODE BB42	Theme: Measurement and Estimation; Length (M-06-060) CODE BB46
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Theme: Measurement and Estimation; Length (M-06-058) CODE B43	Theme: Measurement and Estimation; Length (M-06-060) CODE BB47
Lesson Title: Measuring Objects in Millimetres and Centimetres	Lesson Title: Conversion of Lengths from Metres to Kilometres
3 7	J
Complete the rule:	Convert the following centimetres to millimetres or
·	millimetres to centimetres by multiplying or dividing:
To convert from millimetres to centimetres, we	
·	a. 24 kilometres = metres
To convert from centimetres to millimetres, we	
To convert from centimetres to minimetres, we	b. 358 metres = kilometres
	c. 19 kilometres = metres
	C. 19 Kiloffieties – ffieties
O minutes	2 minutes
2 minutes Theme: Measurement and Estimation; Length (M-06-059) CODE BB44	Theme: Geometry Perimeters and Areas (M-06-081) CODE BB48
Lesson Title: Measuring Objects in Millimetres and Centimetres	Lesson Title: Perimeter of Shapes
Lesson Title. Weasaring Objects in Millimetres and Schametres	Consider the triangle:
Complete the equations with multiply (x) or divide (:):	A and
Complete the equations with multiply (×) or divide (÷):	
a. $16 \longrightarrow 10 = \frac{8}{5}$ centimetres long	b a
b. 40 10 = 4 centimetres long	С .
c. 6 10 = 60 millimetres long	Write down the general formula to calculate the perimeter of
	the given triangle.
.1	
$1\frac{1}{2}$ minutes	30 seconds
Theme: Geometry Perimeters and Areas (M-06-081) CODE BB49	Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53
Theme: Geometry Perimeters and Areas (M-06-081) CODE BB49 Lesson Title: Perimeter of Shapes	Theme: Geometry Perimeters and Areas (M-06-082) CODE BB53 Lesson Title: Finding the Perimeter of Irregular Shapes
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Lesson Title: Perimeter of Shapes	Lesson Title: Finding the Perimeter of Irregular Shapes
Lesson Title: Perimeter of Shapes Consider the triangle:	Lesson Title: Finding the Perimeter of Irregular Shapes Consider the irregular shape below: 8cm
Lesson Title: Perimeter of Shapes	Lesson Title: Finding the Perimeter of Irregular Shapes Consider the irregular shape below:
Lesson Title: Perimeter of Shapes Consider the triangle:	Lesson Title: Finding the Perimeter of Irregular Shapes Consider the irregular shape below: 8cm
Lesson Title: Perimeter of Shapes Consider the triangle:	Lesson Title: Finding the Perimeter of Irregular Shapes Consider the irregular shape below: 8cm 3cm
Lesson Title: Perimeter of Shapes Consider the triangle:	Lesson Title: Finding the Perimeter of Irregular Shapes Consider the irregular shape below: 8cm 10cm
Lesson Title: Perimeter of Shapes Consider the triangle:	Lesson Title: Finding the Perimeter of Irregular Shapes Consider the irregular shape below: 8cm 10cm
Lesson Title: Perimeter of Shapes Consider the triangle: b a C If the perimeter of the triangle is 125cm, determine the	Lesson Title: Finding the Perimeter of Irregular Shapes Consider the irregular shape below: 8cm 3cm 10cm
Lesson Title: Perimeter of Shapes Consider the triangle: b c If the perimeter of the triangle is 125cm, determine the expression for a in terms of b and c.	Lesson Title: Finding the Perimeter of Irregular Shapes Consider the irregular shape below: 8cm 3cm 10cm
Lesson Title: Perimeter of Shapes Consider the triangle: b a C If the perimeter of the triangle is 125cm, determine the	Lesson Title: Finding the Perimeter of Irregular Shapes Consider the irregular shape below: 8cm 3cm 10cm 7cm Calculate the perimeter of the shape.
Lesson Title: Perimeter of Shapes Consider the triangle: b c If the perimeter of the triangle is 125cm, determine the expression for a in terms of b and c. 1 minute	Consider the irregular shape below: 8cm 3cm 10cm 7cm Calculate the perimeter of the shape. 1 minute
Lesson Title: Perimeter of Shapes Consider the triangle: 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	Lesson Title: Finding the Perimeter of Irregular Shapes Consider the irregular shape below: 8cm 3cm 10cm 7cm Calculate the perimeter of the shape. 1 minute Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54
Lesson Title: Perimeter of Shapes Consider the triangle: 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 Lesson Title: Perimeter of Shapes Workout the perimeter of the following shapes:	Lesson Title: Finding the Perimeter of Irregular Shapes Consider the irregular shape below: 8cm 3cm 10cm 7cm Calculate the perimeter of the shape. 1 minute Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54 Lesson Title: Finding the Perimeter of Irregular Shapes
Lesson Title: Perimeter of Shapes Consider the triangle: 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 Lesson Title: Perimeter of Shapes Workout the perimeter of the following shapes: 1) 7 cm 2)	Consider the irregular shape below: 8cm 3cm 10cm 7cm Calculate the perimeter of the shape. 1 minute Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54 Lesson Title: Finding the Perimeter of Irregular Shapes Consider the irregular shape: 60mm
Lesson Title: Perimeter of Shapes Consider the triangle: b a 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 Lesson Title: Perimeter of Shapes Workout the perimeter of the following shapes: 1) 7 cm 6 in	Consider the irregular shape below: 8cm 3cm 10cm 7cm Calculate the perimeter of the shape. 1 minute Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54 Lesson Title: Finding the Perimeter of Irregular Shapes Consider the irregular shape:
Lesson Title: Perimeter of Shapes Consider the triangle: 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 Lesson Title: Perimeter of Shapes Workout the perimeter of the following shapes: 1) 7 cm 2)	Consider the irregular shape below: 8cm 3cm 10cm 7cm Calculate the perimeter of the shape. 1 minute Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54 Lesson Title: Finding the Perimeter of Irregular Shapes Consider the irregular shape: 60mm
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Lesson Title: Perimeter of Shapes Consider the triangle: b a 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 Lesson Title: Perimeter of Shapes Workout the perimeter of the following shapes: 1) 7 cm 2) 6 in 2 cm	Consider the irregular shape below: 8cm 3cm 10cm 7cm 10cm Calculate the perimeter of the shape. 1 minute Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54 Lesson Title: Finding the Perimeter of Irregular Shapes Consider the irregular shape: 60mm 15mm 30mm
Lesson Title: Perimeter of Shapes Consider the triangle: b a 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 Lesson Title: Perimeter of Shapes Workout the perimeter of the following shapes: 1) 7 cm 2 cm 4 in 6 in 3 in	Consider the irregular shape below: 8cm 3cm 10cm 7cm Calculate the perimeter of the shape. 1 minute Theme: Geometry Perimeters and Areas (M-06-082) CODE BB54 Lesson Title: Finding the Perimeter of Irregular Shapes Consider the irregular shape: 60mm



Theme: Geometry Perimeters and Areas (M-06-084) CODE BB59	Theme: Geometry of Triangles (M-06-091) CODE BB63
Lesson Title: Area of Triangles	Lesson Title: Properties of Right-Angled Triangles
Consider the triangle below and answer the following	
questions:	Find the missing angle in the triangle:
$3c_m$	
₹/ \10m >	100
6cm	42°
60.	x /
	1000
a) Determine the perimeter	106°
a) Determine the perimeter	•
b) Determine the area	1 minute
2 minutes	
Theme: Geometry Perimeters and Areas (M-06-084) CODE BB60	Theme: Geometry of Triangles (M-06-091) CODE BB64
Lesson Title: Area of Triangles	Lesson Title: Properties of Right-Angled Triangles
Consider the triangle and answer the following questions:	Consider the triangle:
1	
907	C .
5cm	25°
	25
12cm	
	Determine the value of the missing angle c°
a) Determine the perimeter.b) Determine the area.	5 5
b) Determine the area.	
2 minutes	1 minute
Theme: Geometry of Triangles (M-06-092) CODE BB65	Theme: Geometry of Triangles (M-06-092) CODE BB66
Lesson Title: Properties of Isosceles Triangles	Lesson Title: Properties of Isosceles Triangles
Consider the triangle below:	Consider the triangle below:
E	^
5 cm	
5	
F	
? ?	
P ?	x 40°
	x 40° C
Determine the length of side DF.	
	В
Determine the length of side DF.	Determine the size of angle x.
Determine the length of side DF. [30 seconds] Theme: Geometry of Triangles (M-06-092) CODE BB67 Lesson Title: Properties of Isosceles Triangles	Determine the size of angle x. 30 seconds Theme: Geometry of Triangles (M-06-093) CODE BB68 Lesson Title: Properties of Equilateral Triangles
Determine the length of side DF. 30 seconds Theme: Geometry of Triangles (M-06-092) CODE BB67	Determine the size of angle x. 30 seconds \Theme: Geometry of Triangles (M-06-093) CODE BB68
Determine the length of side DF. 30 seconds Theme: Geometry of Triangles (M-06-092) CODE BB67 Lesson Title: Properties of Isosceles Triangles	Determine the size of angle x. 30 seconds Theme: Geometry of Triangles (M-06-093) CODE BB68 Lesson Title: Properties of Equilateral Triangles
Determine the length of side DF. [30 seconds] Theme: Geometry of Triangles (M-06-092) CODE BB67 Lesson Title: Properties of Isosceles Triangles	Determine the size of angle x. 30 seconds Theme: Geometry of Triangles (M-06-093) CODE BB68 Lesson Title: Properties of Equilateral Triangles
Determine the length of side DF. [30 seconds] Theme: Geometry of Triangles (M-06-092) CODE BB67 Lesson Title: Properties of Isosceles Triangles	Determine the size of angle x. 30 seconds Theme: Geometry of Triangles (M-06-093) CODE BB68 Lesson Title: Properties of Equilateral Triangles Consider the equilateral triangle below:
Determine the length of side DF. [30 seconds] Theme: Geometry of Triangles (M-06-092) CODE BB67 Lesson Title: Properties of Isosceles Triangles	Determine the size of angle x. 30 seconds Theme: Geometry of Triangles (M-06-093) CODE BB68 Lesson Title: Properties of Equilateral Triangles
Determine the length of side DF. [30 seconds] Theme: Geometry of Triangles (M-06-092) CODE BB67 Lesson Title: Properties of Isosceles Triangles	Determine the size of angle x. 30 seconds Theme: Geometry of Triangles (M-06-093) CODE BB68 Lesson Title: Properties of Equilateral Triangles Consider the equilateral triangle below:
Determine the length of side DF. [30 seconds] Theme: Geometry of Triangles (M-06-092) CODE BB67 Lesson Title: Properties of Isosceles Triangles Consider the triangle:	Determine the size of angle x. 30 seconds Theme: Geometry of Triangles (M-06-093) CODE BB68 Lesson Title: Properties of Equilateral Triangles Consider the equilateral triangle below:
Determine the length of side DF. [30 seconds] Theme: Geometry of Triangles (M-06-092) CODE BB67 Lesson Title: Properties of Isosceles Triangles	Determine the size of angle x. 30 seconds Theme: Geometry of Triangles (M-06-093) CODE BB68 Lesson Title: Properties of Equilateral Triangles Consider the equilateral triangle below: 6,9 cm
Determine the length of side DF. 30 seconds	Determine the size of angle x. 30 seconds Theme: Geometry of Triangles (M-06-093) CODE BB68 Lesson Title: Properties of Equilateral Triangles Consider the equilateral triangle below: 6,9 cm a) Determine the perimeter of the triangle
Determine the length of side DF. [30 seconds] Theme: Geometry of Triangles (M-06-092) CODE BB67 Lesson Title: Properties of Isosceles Triangles Consider the triangle:	Determine the size of angle x. 30 seconds Theme: Geometry of Triangles (M-06-093) CODE BB68 Lesson Title: Properties of Equilateral Triangles Consider the equilateral triangle below: 8 cm

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 .

2 minutes