

\begin{tabular}{|c|c|}
\hline Theme: Numbers and Numeration (M-07-004) CODE: A9 \& Theme: Numbers and Numeration (M-07-004) CODE: A10 \\
\hline Lesson Title: Common Factors \& Lesson Title: Common Factors \\
\hline \begin{tabular}{l}
Complete the following sentence: \\
When a number is a factor of two or more given numbers, it is called a \(\qquad\) ?
\end{tabular} \& \begin{tabular}{l}
Below are four pairs of numbers: \\
a. \(\quad 6\) and 12 \\
b. \(\quad 5\) and 10 \\
c. \(\quad 8\) and 20 \\
d. \(\quad 9\) and 15 \\
Find the common factors for the pairs of numbers. Write down the factors of the numbers.
\end{tabular} \\
\hline Theme: Numbers and Numeration (M-07-005) CODE: A11 \& Theme: Numbers and Numeration (M-07-005) CODE: A12 \\
\hline Lesson Title: Highest Common Factor (HCF) \& Lesson Title: Highest Common Factor (HCF) \\
\hline \begin{tabular}{l}
What does the term 'Highest Common Factor' (HCF) mean? \\
\(11 / 2\) minutes
\end{tabular} \& When do we use the factor tree method?
1112minutes \\
\hline Theme: Numbers and Numeration (M-07-005) CODE: A13 \& Theme: Numbers and Numeration (M-07-006) CODE: A14 \\
\hline Lesson Title: Highest Common Factor (HCF) \& Lesson Title: Common Multiples \\
\hline \begin{tabular}{l}
Use a factor tree to find the HCF of: \\
a.) \(\quad 14\) and 28 \\
b.) \(\quad 18\) and 30
\end{tabular} \& Give the first five multiples of 5

1 minute \\
\hline Theme: Numbers and Numeration (M-07-006) CODE: A15 \& Theme: Numbers and Numeration (M-07-006) CODE: A16 \\
\hline Lesson Title: Common Multiples \& Lesson Title: Common Multiples \\
\hline List the first ten multiples of 3 and 5.

3 minutes \& | a. Find the first 5 common multiples of 3 and 6 . |
| :--- |
| b. Find the first 3 common multiples of 6 and 9 . |
| 4 minutes | \\

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\end{tabular}



| Theme: Numbers and Numeration (M-07-011) CODE: A25 | Theme: $\quad$ Numbers and Numeration (M-07-012) | CODE: A26 |
| :---: | :---: | :---: |
| Lesson Title: Multiplying Two Indices | Lesson Title: Dividing Two Indices |  |
| Simplify the following. <br> Leave your answer in index form: <br> (a) $4^{2} \times 4$ <br> (b) $2^{3} \times 24$ | Complete the following sentence: <br> When we divide two indices with the same base, |  |
| Theme: Numbers and Numeration (M-07-012) CODE: A27 | Theme: $\quad$ Numbers and Numeration (M-07-012) | CODE: A28 |
| Lesson Title: Dividing Two Indices | Lesson Title: Dividing Two Indices |  |
| Identify the Law of Indices in the following expression: $a^{m} \div a^{n}=a^{m-n}$ <br> $11 / 2$ minutes | Simplify: <br> i) $\quad 2^{4} \div 2^{2}$ <br> ii) $\frac{t^{6}}{t^{3}}$ |  |
| Theme: Numbers and Numeration (M-07-013) CODE: A29 | Theme: $\quad$ Numbers and Numeration (M-07-014) | CODE: A30 |
| Lesson Title: Multiplication and Division of Indices | Lesson Title: Introduction to Fractions |  |
| Simplify: <br> (a) $\frac{3^{2} \times 3^{5}}{3^{4} \times 3}$ <br> (b) $\frac{2^{5} \times 2^{4}}{2^{3} \times 2^{2}}$ <br> (c) $\frac{6^{2} \times 6^{3}}{6^{4}}$ <br> 4 minutes | Draw shapes to show the following fractions: <br> (a) $\frac{1}{3}$ <br> (b) $\frac{3}{8}$ <br> (c) $\frac{5}{6}$ | 3 minutes |
| Theme: Numbers and Numeration (M-07-015) CODE: A31 | Theme: $\quad$ Numbers and Numeration (M-07-016) | CODE: A32 |
| Lesson Title: Introduction to Fractions | Lesson Title: Adding fractions with the same denominator |  |
| i) Which fraction is bigger $\frac{4}{5}$ or $\frac{4}{6}$ ? <br> ii) Put this list of fractions in ascending order (smallest first): $\frac{3}{9} ; \frac{3}{11} ; \frac{3}{5} ; \frac{3}{7}$ <br> iii) Put this list of fractions in descending order (largest first): $\frac{5}{6} ; \frac{5}{11} ; \frac{5}{8} ; \frac{5}{9}$ <br> 4 minutes | Write down the numerator and the denominator in the following fraction: $\frac{2}{13}$ <br> $11 / 2$ minutes |  |


| Theme: Numbers and Numeration (M-07-016) CODE: A33 | Theme: Numbers and Numeration (M-07-017) CODE: A34 |
| :---: | :---: |
| Lesson Title: Adding fractions with the same denominator | Lesson Title: Adding fractions with different denominators |
| Complete the following sentence: <br> When the fractions have the same denominator, | Complete the following sentence: <br> A fraction in which the denominator is bigger than the numerator is known as a $\qquad$ |
| Theme: Numbers and Numeration (M-07-017) CODE: A35 | Theme: Numbers and Numeration (M-07-017) CODE: A36 |
| Lesson Title: Adding fractions with different denominators | Lesson Title: Adding fractions with different denominators |
| Solve the problems below: <br> (i) $\frac{2}{7}+\frac{5}{7}$ <br> (ii) $\frac{2}{9}+\frac{2}{9}$ | My mother gave me $\frac{3}{8}$ of a pawpaw, and my father gave me $\frac{2}{8}$ of a pawpaw. <br> How much pawpaw do I have in total? |
| Theme: Numbers and Numeration (M-07-017) CODE: A37 | Theme: Numbers and Numeration (M-07-017) CODE: A38 |
| Lesson Title: Adding fractions with different denominators | Lesson Title: Adding fractions with different denominators |
| Complete the following sentences: <br> a) To subtract fractions with different denominators, we need to <br> find a $\qquad$ <br> b) To add fractions with different denominators, we need to find a $\qquad$ <br> 2 minutes | Complete the following sentence: <br> A fraction in which the denominator is bigger than the numerator is <br> a $\qquad$ |
| Theme: Numbers and Numeration (M-07-017) CODE: A39 | Theme: Numbers and Numeration (M-07-017) CODE: A40 |
| Lesson Title: Adding fractions with different denominators | Lesson Title: Adding fractions with different denominators |
| Complete the following sentence: <br> A fraction in which the denominator is smaller than the numerator is known as an $\qquad$ $11 / 2$ minutes | Change the following improper fraction into a mixed fraction: $\frac{31}{30}$ <br> $11 / 2$ minutes |




\begin{tabular}{|c|c|}
\hline Theme: Everyday Arithmetic (M-07-032) CODE: A57 \& Theme: Everyday Arithmetic (M-07-033) CODE: A58 \\
\hline Lesson Title: Multiplying and dividing decimals \& Lesson Title: Order of operations (BODMAS) \\
\hline \begin{tabular}{l}
Solve: \\
i) \(\quad 1.341 \div 0.03\) \\
ii) \(\quad 0.24 \times 0.02\)
\end{tabular} \& What do the letters of BODMAS stand for?
1112 minutes \\
\hline Theme: Everyday Arithmetic (M-07-033) CODE: A59 \& Theme: Everyday Arithmetic (M-07-034) CODE: A60 \\
\hline Lesson Title: Order of operations (BODMAS) \& Lesson Title: Estimation \\
\hline \begin{tabular}{l}
Simplify: \\
a. \(5.1 \times(6.2-3)\) \\
b. \(7 \times 2^{3} \div 4\) \\
c. \(15 \div 3+4^{3}\)
\end{tabular} \& \begin{tabular}{l}
(a) Round 63,194 to nearest Thousands; \\
(b) Estimate \(828+43\) to the nearest Tens place \\
(a) Estimate 23,489-2373 to the nearest Thousands place.
\end{tabular} \\
\hline Theme: Everyday Arithmetic (M-07-035) CODE: A61 \& Theme: Numbers and Numeration (M-07-036) CODE: A62 \\
\hline Lesson Title: Story problems with whole numbers and decimals \& Lesson Title: Percentages \\
\hline \begin{tabular}{l}
a) A trader has 500 mangoes. After selling some mangoes, the number reduced to 289. \\
How many mangoes were sold? \\
b) After recovering from illness, Mustapha tried to gain weight. For 7 weeks he was able to gain 0.4 kg . each week. \\
How much did he gain in total? \\
Round your answer to the nearest kilogram. \\
4 minutes
\end{tabular} \& What do we mean by 'percent'?

1112minutes \\
\hline Theme: Numbers and Numeration (M-07-036) CODE: A63 \& Theme: Numbers and Numeration (M-07-037) CODE: A64 \\
\hline Lesson Title: Percentages \& Lesson Title: Percentages as fractions and decimals \\

\hline | i. A student scored 85 marks out of 100 on an exam. Express this as a percentage. |
| :--- |
| ii. There were 100 women in a meeting, but 25 of them left. What percentage of the women left the meeting? |
| iii. There are 100 pupils registered in a school, and 56 of them are girls. What percentage of the pupils are girls? What percentage are boys? |
| 4 minutes | \& | Three friends divided a pawpaw. Michael ate $30 \%$, Zainab ate $25 \%$, and Juliette ate $45 \%$. |
| :--- |
| i. Write each percentage as a fraction and simplify the fraction. Write the fraction as a decimal. |
| ii. Add all three fractions together, and add all three decimals together. | \\

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| Theme: $\quad$ Numbers and Numeration (M-07-044) CODE: A73 | Theme: $\quad$ Numbers and Numeration (M-07-045) $\quad$ CODE: A74 |
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| Lesson Title: Applying percentages to problems with money | Lesson Title: Story problems with percentages |
| i. $\quad$Francis opened a new cookery shop. On the <br> first day, his profit was Le150, 000. The second <br> day, his profit was 25\% lower. What was his <br> profit the second day? <br> Juliet sells lappa in the market. Before, she <br> sold it for le15, 000 per yard. However, the cost <br> of her rent increased and she wants to <br> increase the price of her lappa by 15\%. What <br> will be the new price per yard? <br> 4 minutes | a.Abass gets $80 \%$ correct in a test of 20 questions. <br> Calculate the number of questions in the test he got <br> wrong. <br> ii. A man bought a car for Le8,000,000 and sold it a year <br> later at Le6,000,000. What was the percentage decrease <br> in the value of the car? |

