

# EaD Comprehensive Lesson Plans

<b>Strand:</b>	Number	<b>Sub-Strand:</b>	Number Operations
<b>Content Standard:</b>	B.7.1.2.2 Demonstrate an understanding of addition, subtraction, multiplication and division of (i) whole numbers, and (ii) decimal numbers, to solve problems.		



or



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**BASIC 7**

**WEEKLY LESSON PLAN – WEEK 4**

<b>Indicator (s)</b>	B7.1.2.2.1 Add and subtract up to four-digit numbers.  B7.1.2.2.2 Multiply or divide multi-digit numbers by 1- and 2- digit numbers  B7.1.2.2.3. Create and solve story problems involving decimals on the four basic operations.			<b>Performance Indicator:</b> Learners can solve word problems involving decimals.	
<b>Week Ending</b>	04-10-2024				
<b>Class</b>	B.S.7	<b>Class Size:</b>		<b>Duration:</b>	
<b>Subject</b>	Mathematics				
<b>Reference</b>	Mathematics Curriculum, Teachers Resource Pack, Learners Resource Pack, Textbook.				
<b>Teaching / Learning Resources</b>	Pictures, number chat, word chat showing story problems.		<b>Core Competencies:</b>	<ul style="list-style-type: none"><li>• Can effectively evaluate the success of solutions they have used to attempt to solve a complex problem</li><li>• Create simple logic trees to think through problems</li><li>• Can effectively evaluate the success of solutions they have used to attempt to solve a complex problem</li></ul>	
<b>DAY/DATE</b>	<b>PHASE 1 : STARTER</b>	<b>PHASE 2: MAIN</b>			<b>PHASE 3: REFLECTION</b>
<b>TUESDAY</b>	Show Learners a video of adding and subtracting four-digit numbers.	1. Demonstrate how to use place value chart to add and subtract four-digit numbers 2. Assist Learners to add and subtract four-digit numbers using place value system.			Learners brainstorm to solve more questions on adding and subtracting four-digit numbers.

		<div> <div>Adding/Subtracting 4-Digit Numbers (A) Answers</div> <div> Name: _____ Date: _____ </div> <div>Calculate each sum or difference.</div> <div> <div> <math display="block">\begin{array}{r} 8673 \\ - 1448 \\ \hline 7225 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 9759 \\ - 9133 \\ \hline 626 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 3225 \\ - 2649 \\ \hline 576 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 8646 \\ + 9848 \\ \hline 18494 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 5574 \\ - 4984 \\ \hline 590 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 8062 \\ - 1538 \\ \hline 6524 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 7030 \\ + 8803 \\ \hline 15833 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 8105 \\ + 6802 \\ \hline 14907 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 3893 \\ + 4439 \\ \hline 8332 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 5337 \\ - 2864 \\ \hline 2473 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 4598 \\ + 3634 \\ \hline 8232 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 6987 \\ - 5802 \\ \hline 1185 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 5916 \\ - 1806 \\ \hline 4110 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 3204 \\ - 2652 \\ \hline 552 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 2897 \\ + 5307 \\ \hline 8204 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 8028 \\ - 3275 \\ \hline 4753 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 6911 \\ + 6251 \\ \hline 13162 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 6074 \\ + 2922 \\ \hline 8996 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 3729 \\ - 2402 \\ \hline 1327 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 4245 \\ - 1949 \\ \hline 2296 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 6995 \\ - 6515 \\ \hline 480 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 8464 \\ + 8067 \\ \hline 16531 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 5751 \\ + 8665 \\ \hline 14416 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 4376 \\ - 1767 \\ \hline 2609 \end{array}</math> </div> <div> <math display="block">\begin{array}{r} 8057 \\ + 4061 \\ \hline 12118 \end{array}</math> </div> <div>Math-Drills.com</div> </div> </div>	
THURSDAY	Individual Learners brainstorm to add and subtract decimals.	<ol style="list-style-type: none"> <li>Demonstrate multiplying multi-digit numbers by 1- and 2- digit numbers.</li> <li>Learners in small groups to discuss and solve multiplication of multi-digit numbers by 1- and 2- digit numbers.</li> <li>Assist Learners to use distributive Property to multiply multi-digit numbers by 1- and 2- digit numbers.</li> </ol> <p>Place value method</p> <ol style="list-style-type: none"> <li> <math display="block">\begin{array}{r} 345 \times 27 = 345 \\ \times 27 \end{array}</math> </li> <li> <math display="block">\begin{array}{r} 2,415 \\ + 6,900 \\ \hline 9,315 \end{array}</math> </li> </ol> <p>Lattice method:</p> <p>Draw a 2 by 3 lattice for solving <math>345 \times 27</math>.  Eg. Use the distributive property to multiply <math>325 \times 15</math>  <math>= 325 \times (10 + 5) = 325 \times 10 + 325 \times 5</math>  <math>= 3,250 + 1,625</math>  <math>= 4,8</math></p>	<p>Individual Learners practice dividing multi-digit numbers by 1- and 2- digit numbers.</p> <p><b>Exercise;</b></p> <ol style="list-style-type: none"> <li> <math display="block">\begin{array}{r} 3594 \\ \times 6 \end{array}</math> </li> <li> <math display="block">\begin{array}{r} 1400 \\ \times 5 \end{array}</math> </li> <li> <math display="block">\begin{array}{r} 1049 \\ \times 20 \end{array}</math> </li> <li> <math display="block">4500 \div 4</math> </li> <li> <math display="block">1390 \div 2</math> </li> </ol>

<p><b>FRIDAY</b></p>	<p>Review Learners knowledge on the previous lesson.</p>	<ol style="list-style-type: none"> <li>1. Learners brainstorm to create examples of word problems involving decimals.</li> <li>2. Demonstrate solving word problems involving decimals.</li> <li>3. Assist Learners to solve word problems and word problems on data presented in a table.</li> </ol> <p><b>Word Problems on Decimals</b></p> <ul style="list-style-type: none"> <li>• The product of two numbers is 42.63. If one number is 2.1, find the other. Solution: Product of two numbers = 42.63.</li> <li>• John bought 9.25m of cloth for \$425.50. Find the cost price per metre. Solution: Cloth bought by John = 9.25 m.</li> <li>• One kg Basmati rice costs \$ 43.75. Find the cost of 17 kg of rice</li> </ul> <p>Eg. The product of two numbers is 42.63. If one number is 2.1, find the other.</p> <p><i>Solution:</i></p> <p>Product of two numbers = 42.63</p> <p>One number = 2.1</p> <p>Other number = <math>42.63 \div 2.1</math></p> $42.63 \div 2.1$ <p>= <math>426.3 \div 21</math></p> $  \begin{array}{r}  20.3 \\  21 \overline{) 426.3} \\  \underline{- 42} \phantom{.3} \\  063 \\  \underline{- 63} \\  0  \end{array}  $ <p>Therefore, the other number is = 20.3</p> <p><b>Answers: 20.3</b></p>	<p>Learners in small group to discuss word problem questions about decimals and solve them.</p> <p><b>Exercise;</b></p> <ol style="list-style-type: none"> <li>1. John bought 9.25m of cloth for \$425.50. Find the cost price per metre.</li> <li>2. One kg Basmati rice costs \$ 43.75. Find the cost of 17 kg of rice.</li> <li>3. The length of a ribbon is 1.28 m. The length of a rope is 2.74 m longer than the ribbon. What is the length of the rope?</li> <li>4. A pail holds 5.2 l of water. A bottle holds 3.9 l less water than the pail. What is the volume of water in the bottle?</li> </ol>
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Name of Teacher:

School:

District: