
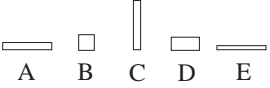
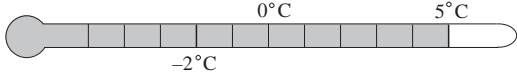
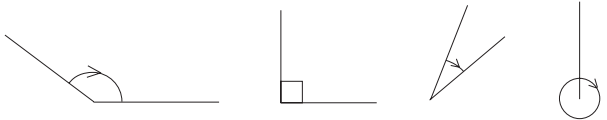
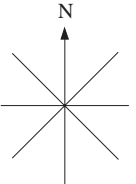
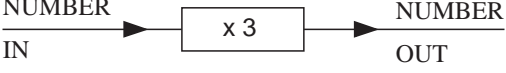
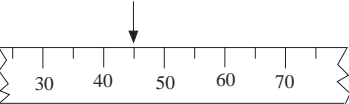
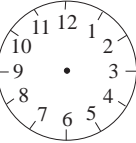


C	Certificate of Educational Achievement Core: Level 1–3 Extension: Level 4–5	MEP Scheme of Work	MODULE 2	4
Wks	Topic	Notes	Examples	Ref
(3)	<p><b>8. NUMBER CONCEPTS 2</b></p> <p>Reading, writing and ordering any set of whole numbers. Place value.</p> <p>Rounding whole numbers to the nearest 10, 100, 1000.</p> <p><i>Use non-calculator methods to add and subtract numbers with up to 4 digits.</i></p> <p>Solving addition, subtraction, multiplication and division problems involving whole numbers.</p> <p>Mental recall of addition and subtraction facts: the addition and subtraction of two numbers with up to 3 digits.</p> <p>Learning and using multiplication facts up to <math>10 \times 10</math> in simple multiplication and division problems.</p> <p><i>Use non-calculator methods to multiply and divide a number with up to 3 digits by a one digit number.</i></p>	<p>Using words such as: round, approximate, nearest.</p> <p>Questions may require the use of more than one operation. Division questions will not involve remainders.</p> <p>Questions involving mental recall will only be assessed in the aural test.</p> <p>The aural test may involve the multiplication of any two-digit number by any single-digit number. Division questions in the aural test will not involve remainders.</p>	<p>Write in figures: four thousand one hundred and sixty seven. Write in words: 7001. Make the biggest number you can with these digits: 2, 5, 4, 3</p> <p>Cliff worked 8 hours per day for 3 days and 10 hours per day for 2 days, in a week. How many hours did Cliff work that week?</p> <p>There are 218 pupils in Year 10 and 246 in Year 11. How many pupils is this altogether? There are 321 pages in a book. John has read 247 pages. How many more pages does he have to read?</p> <p>Find the cost of 3 bars of chocolate at 22p each. 24 Milk bottles fit in a crate. How many crates are needed for 72 bottles?</p>	<p>OS 8.1</p> <p>M 8.1 M 8.2</p> <p>M 8.3– M 8.6</p>
(2)	<p><b>9. SYMMETRY and CONGRUENCE</b></p> <p>Recognising reflective symmetry.</p> <p>Mirror lines.</p> <p>Recognising identical (congruent) triangular and rectangular shapes drawn in different orientations.</p>	<p>Using words such as: mirror line, line of symmetry, axis of symmetry, reflection. Questions will require candidates to identify a mirror line.</p>	<p>Draw all the lines of symmetry  in this shape.</p> <p>Which of these shapes are identical? </p>	<p>OS 9.1</p> <p>OS 9.2</p>



C	Certificate of Educational Achievement	MEP Scheme of Work	MODULE 2	6
Wks	Topic	Notes	Examples	Ref
	<p>Fractions: Calculating <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math> and <math>\frac{3}{4}</math> of a quantity. Identifying simple fractions</p> <p>Negative numbers in simple practical situations.</p> <p>Ordering negative numbers.</p>	<p>Temperature scales, the number line.</p>	<p>Find <math>\frac{1}{2}</math> of £12. Shade <math>\frac{1}{3}</math> of a given rectangle. Ring <math>\frac{1}{10}</math> of a given set of objects.</p>  <p>The temperature at midday was 5°C. At midnight it was -2°C. By how many degrees had the temperature fallen?</p> <p>Put these numbers in order, smallest to largest:: 3, -2, -4, 0, 5</p>	<p>OS 12.3</p> <p>M12.4 M12.5</p> <p>OS 12.4 M 12.6</p> <p>M 12.7</p>
(1)	<p><b>13. ANGLES and COMPASS DIRECTIONS</b></p> <p>The use of the terms acute and obtuse to describe angles.</p> <p>Turning through a number of right-angles.</p> <p>Using and understanding compass bearings.</p>	<p>90° (right angle), 180° (straight line) 360° (complete turn)</p> <p>The use of the 8 points of the compass to show direction.</p>	<p>Write the correct name under each angle. Choose from: right angle, acute angle, obtuse angle, complete turn</p>  <p>Fill in the missing compass points.</p> 	<p>OS 13.1</p> <p>OS 13.2</p> <p>OS 13.3 OS 13.4</p>

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Wks	Topic	Notes	Examples	Ref
(2)	<p><b>14. NUMBER MACHINES 1</b></p> <p>The use of a symbol to stand for an unknown number.</p> <p>Inputs to, and outputs from, simple single-function machines.</p>	The unknown may appear twice.	<p><math>\blacktriangle \times \blacktriangle = 16</math> What is the value of <math>\blacktriangle</math>?</p> <p>  </p> <p>NUMBER IN = 4. Find NUMBER OUT.  NUMBER OUT = 27. Find NUMBER IN.</p>	OS 14.1  OS 14.2
(2)	<p><b>15. WEIGHING, MEASURING, TIME</b></p> <p>Using metric units of capacity.</p> <p>Using and reading rulers, tape measures and weighing scales.</p> <p>Standard units of time. Reading of clocks (analogue).</p>	<p><math>\text{cm}^3</math>, ml, l</p> <p>Candidates may be required to read scales with non-unit divisions.</p> <p>Questions may require candidates to state an appropriate unit for a measurement and to choose the most appropriate unit from a list: seconds, minutes, hours, days.</p>	<p>Would you use millilitres or litres to measure the amount of medicine on a teaspoon?</p> <p>What length in metres is indicated by the arrow?</p> <p></p> <p>Draw hands on the clock to show the time 1.25.</p> <p></p>	OS 15.1  OS 15.2 OS 15.3