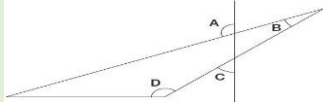
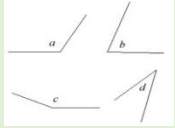
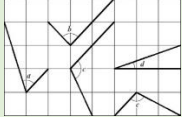




Y5 Maths Medium Term Plan 2020 - 21: Autumn Cycle


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|--|----------|---|---|---------------------------|--|--|-------------------------|--|
| Back to School | Addition | Factors Factor Pairs & Common Factors | Multiply & Divide (by 1, 10, 100 & 1000) | Square & Cubed Numbers | Perimeter Composite Rectilinear Shapes | Contingency weeks to give space for longer than a week for some areas or single session recall of taught topics. | Back to School | Multiples, Factors & Prime Numbers |
| Place Value read, write, order and compare | | Angles Identify, estimate & measure | Subtraction using inverse to check | 3D Shape | Multiplication four digits by one & two digits | | Place Value Rounding | Division four digits by one digit |

| Week | Arithmetic | Reasoning | | | | |
|------|---|--|---|---|---|--|
| 1 | Back to School | <p>Place Value</p> <p>Recall from Y4: Read and write numbers up to 10,000 in numerals and in words.</p> <p>One Star: L: Can I use place value to compare 3&4-digit numbers? Use all of these digits to write the smallest number.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>7</td> <td>1</td> <td>4</td> </tr> </table> <p>Two Star: L: Can I read and recognise numbers with 4 digits? 6,219 Which digit is in the hundreds place?</p> <p>Teach for Y5: L: Can I read and recognise numbers with 5 digits? 23,451.96 Write the digit in the Ten-Thousands column.</p> | 7 | 1 | 4 | |
| 7 | 1 | 4 | | | | |
| 2 | <p>Addition</p> <p>Recall from Y4: Add numbers with up to 4 digits using the formal written methods of columnar addition</p> <p>One Star: L: Can I add numbers with 3 digits using column addition? 256 + 228</p> <p>Two Star: L: Can I add numbers with 4 digits using column addition? 2351 + 5829</p> <p>Teach for Y5: L: Can I add numbers with 5 digits using column addition? 23593 + 33404</p> | | | | | |
| 3 | <p>Factors</p> <p>Recall from Y4: Recognise and use factor pairs and commutativity</p> <p>One Star: L: Can I find multiples of a number? Choose two cards to make a multiple of 9.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>7</td> <td>5</td> <td>2</td> <td>1</td> </tr> </table> <p>Two Star: L: Can I recognise and use factor pairs and commutativity? Write the missing numbers. Factors of 20 = {1, _____, _____, _____, _____, 20}</p> | 7 | 5 | 2 | 1 | <p>Angles</p> <p>Recall from Y4: Identify, compare and order angles acute and obtuse angles (up to two right angles) size.</p> <p>One Star: L: Can I name angles acute or obtuse? This diagram has four angles marked A, B, C and D.</p>  <p>Write the letters of the angles that are acute angles.</p> |
| 7 | 5 | 2 | 1 | | | |

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| | <p>Teach for Y5: L: Can I identify all factor pairs of a number? Write all the numbers between 50 and 100 that are factors of 180</p> | <p>Two Star: L: Can I identify, compare and order angles acute and obtuse angles (up to two right angles) size.</p>  <p>Write the angles in order of size, starting with the smallest.</p> <p>Teach for Y5: L: Can I estimate the size of acute, obtuse and reflex angles in degrees?</p> <p>Here are five angles marked on a grid of squares. Estimate the size of each angle.</p>  |
| <p>4</p> | <p style="text-align: center;">Multiply & Divide</p> <p>Recall from Y4: Multiply and divide up to four-digit numbers by 1, 10 and 100</p> <p>One Star:</p> <p>Two Star:</p> <p>Teach for Y5: Multiply and divide whole numbers and those involving decimals by 1, 10, 100 and 1000</p> | <p style="text-align: center;">Subtraction</p> <p>Recall from Y4: Subtract with numbers with up to 4 digits using the formal written methods of columnar addition</p> <p>One Star: L: Can I subtract numbers with 2 digits using column subtraction 63-48</p> <p>Two Star: L: Can I subtract with numbers with 3 digits using column subtraction? 305-172</p> <p>Teach for Y5: L: Can I subtract with numbers with more than 4 digits using column subtraction? 32,356 – 17,219</p> |
| <p>5</p> | <p style="text-align: center;">Square Numbers</p> <p>Recall from Y4: N/A</p> <p>One Star: L: Can I calculate using my multiplication tables? 4x6</p> <p>Two Star: L: Can I use square numbers? What is 6^2?</p> <p>Teach for Y5: L: Can I use cube numbers? What is 3^3?</p> | <p style="text-align: center;">3D Shape</p> <p>Recall from Y4: N/A</p> <p>One Star: L: Can I tell which are 3d and which are 2D shapes?</p> <p>Tick the shapes that are 2D:</p>  <p>Two Star: L: Can I identify 3D shapes, including cubes and other cuboids? Which of these shapes are cubes?</p>  |

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| | | <p>Teach for Y5: L: Can I describe cubes and other cuboids and recognise their faces and vertices? How many faces does a cuboid have?</p> |
| 6 | <p style="text-align: center;">Perimeter</p> <p>Recall from Y4: Measure and calculate the perimeter of rectilinear figures.</p> <p>One Star: L: Can I measure the perimeter of a rectangle? Can you measure the perimeter of this rectangle using a ruler?</p>  <p>Two Star: L: Can I calculate the perimeter of rectangles? What is the perimeter of a rectangle that has sides measuring 4cm and 5cm?</p> <p>Teach for Y5: L: Can I measure the perimeter of a shape made from rectangles (in cm & m)? Can you measure the perimeter of this rectangle using a ruler?</p> | <p style="text-align: center;">Multiplication</p> <p>Recall from Y4: Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.</p> <p>One Star: L: Can I Multiply two-digit numbers by a one-digit number using partitioning? 23 x 3</p> <p>Two Star: L: Can I multiply two-digit and three-digit numbers by a one-digit number using short multiplication? 295 x 6</p> <p>Teach for Y5: L: Can I multiply two-digit numbers by a two-digit number using long multiplication? 32 x 24</p> |
| 7 | Consolidation Weeks | |
| 8 | Consolidation Weeks | |
| 9 | Back to School | <p style="text-align: center;">Place Value</p> <p>Recall from Y4: Round any number to the nearest 10, 100 or 1000</p> <p>One Star: L: Can I round a number to the nearest 10 or 100? Round the following numbers. 540 to the nearest 100 236 to the nearest 10</p> <p>Two Star: L: Can I round any number to the nearest 10, 100 or 1000? Round 84,516 to the nearest 1/ to the nearest 100/ to the nearest 1,000</p> <p>Teach for Y5: L: Can I round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000? Round 329,476 to the nearest 100,000/ to the nearest 10,000/ to the nearest 1,000</p> |
| 10 | <p style="text-align: center;">Multiples & Factors</p> <p>Recall from Y4: N/A</p> <p>One Star: L: Can I find multiples of a number?</p> <p>7 5 2 1 Choose two cards to make a multiple of 9.</p> | <p style="text-align: center;">Division</p> <p>Recall from Y4: Divide two-digit and three-digit numbers by a one-digit number using formal written layout.</p> <p>One Star: L: Can I use my knowledge of times tables to work out division facts? Complete this list.</p> |

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| <p>Two Star: L: Can I recognise and use factor pairs and commutativity? Write the missing numbers. Factors of 28 = {1, _____, _____, _____, _____, 28} Teach for Y5: L: Can I identify all factor pairs of a number? Write all the numbers between 50 and 100 that are factors of 180</p> | <p>$4 \times 1 = 4$ $4 \div 1 = 4$ $4 \times 2 = 8$ $8 \div 2 = 4$ Two Star: L: Can I divide two-digit and three-digit numbers by a one-digit number using short division? $765 \div 5$ Teach for Y5: L: Can I divide numbers up to 4 digits by a one-digit number using of short division? What is $2872 \div 4$?</p> |
|---|--|