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| **Year 2 Age Related Expectation (ARE) Statements for Maths 2019-2020** For:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Steps to success!** | **Place Value** | **Measurement** |
| **Read and write numbers up to 100 in numerals and in words (phonetically)** |  |  |  | **Know that 60 minutes = 1 hour, 24 hours = 1 day**  |  |  |
| **Compare and order whole numbers up to 100** |  |  |  | **Know the months of the year *and be able to sequence units of time by comparing their durations.*** |  |  |
| **Know the place value headings of ones and tens and know that zero is a place holder.** |  |  |  | **Read the time to the nearest fifteen minutes using an analogue clock (including ‘o’clock’, ‘half past’, ‘quarter past’ and ‘quarter to’). GDS – to the nearest 5 minutes** |  |  |
| **Number and fractions** | **Measure lengths in metres and centimetres** |  |  |
| **Know and use the symbols =, <, >** |  |  |  | **Read scales in twos, fives and tens.** **GDS: not all numbers given + estimate points in between**  |  |  |
| **Know and use the symbols for x and ÷**  |  |  |  | **Know the standard units for length (m, cm), mass (kg, g), temperature (°C) and capacity (litres/ml) and select the correct equipment for measuring each.** |  |  |
| **Know the meaning of odd and even numbers and be able to recognise these** |  |  |  | **Geometry** |
| ***Know doubles and halves up to 20 (2x table)*** |  |  |  | **Identify some 2D shapes *(e.g. square, circle, triangle, rectangle, pentagon, hexagon, octagon)*** |  |  |
| **GDS – Use reasoning and relationships of number to solve complex problems and explain their thinking.**  |  |  |  | **Identify some 3D shapes *(cube cuboid, sphere, cylinder, prism, cone, pyramid)*** |  |  |
| **GDS- Solve unfamiliar problems with more than one step.**  |  |  |  | **Know and use some of the terms to describe 2D shapes: ‘side’ and ‘corner’** |  |  |
| **Know addition and subtraction facts of all numbers to 10 and use these to calculate bonds up to 20****e.g. 3 + 7 = 10 so 13+ 7 =20** |  |  |  | **Know and use some of the terms to describe 3D shapes: ‘vertices/vertex’ ‘edges’ and ‘faces’** |  |  |
| **Derive addition and subtraction facts (to 100) using known facts to 10** |  |  |  | **GDS: Describe similarities and differences of 2D and 3D shapes** |  |  |
| **Add and subtract numbers including a two-digit number and ones,**  |  |  |  | **Use mathematical vocabulary to describe position, direction and movement (1/4 turn, ½ turn, clockwise and anticlockwise)** |  |  |
| **Add and subtract a two-digit number and tens,**  |  |  |  | **Recognise a line of symmetry in a shape** |  |  |
| ***Add and subtract three one-digit numbers (link to coins)*** |  |  |  | **Continue patterns using a line of symmetry** |  |  |
| **Add and subtract 2 two-digit numbers, using jottings or apparatus if necessary** |  |  |  |  | **10x** | **2x** | **5x** | **3x** |
| **Count in ones, twos, fives and tens from any number, forwards and backwards including crossing 100** |  |  |  | **Know multiplication facts and can solve simple problems** |  |  |  |  |
| **Know the different coins, the symbols for pounds (£) and pence (p) and be able to use different coins to make the same amount.** |  |  |  |
| **Know division facts and can solve simple problems** |  |  |  |  |
| **Recognise and name the fractions 1/3, 1/4, 2/4, 3/4**  |  |  |  |
| **GDS: Make deductions outside known multiplication facts (3x, 4x, 6x)** |  |  |  |  |
| **Find fractions of number or fraction of shape** |  |  |  |