



## Mathematics - End of year expectations for YR2

- Recognise the place value of each digit in a two-digit number (tens, ones)
- Partition numbers in different ways (e.g.,  $23 = 20 + 3$  and  $23 = 10 + 13$ )
- Compare and order numbers from 0 up to 100; use  $<$ ,  $>$  and  $=$  signs
- Find 1 or 10 more or less than a given number
- Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 (bonds totaling 5, 10 and 20)
- Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones, a two-digit number and tens, two two-digit numbers, adding three one-digit numbers
- Solve problems with addition and subtraction including with missing numbers: - using concrete objects and pictorial representations, including those involving numbers quantities and measures
- Understand multiplication as repeated addition and arrays
- Understand division as sharing and grouping and that a division calculation can have a remainder
- Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
- Derive and use doubles of simple two-digit numbers (numbers in which the ones total less than 10)
- Derive and use halves of simple two-digit even numbers (numbers in which the tens are even)
- Calculate mathematical statements for multiplication using repeated addition and division within the multiplication tables and write them using the multiplication ( $\times$ ), division ( $\div$ ) and equals ( $=$ ) signs
- Understand that a fraction can describe part of a set
- Understand that the larger the denominator is, the more pieces it is split into and therefore the smaller each part will be
- Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line
- Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces
- Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)
- Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature ( $^{\circ}\text{C}$ ); capacity and volume (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels (within children's place value competence)
- Find different combinations of coins that equal the same amounts of money
- Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times
- Know the number of minutes in an hour and the number of hours in a day