Year 5

Essential Skills

YEAR 5

- Know about prime number and prime factors
  2, 3, 5, 7, 11, 13, 17, 19
  12 = 2x2x3 or 21 = 3x7 or 24 = 2x2x2x3
- Know about squared numbers
  $5^2 = 25$
- Find the mean (average) of a set of numbers
  2, 6, 8, 10 = 26
  26 / 4 = 6.5
- Identify nets of 3D shapes
- multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers
- divide numbers up to 4 digits by a one-digit number using the formal written method of short division…
- recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)
- compare and order, add and subtract fractions whose denominators are all multiples of the same number
- read, write, order and compare numbers with up to three decimal places
- estimate and compare acute, obtuse and reflex angles Round numbers with 1 decimal place to the nearest whole number
  3.7 = 4
- Draw and measure lines to the nearest mm
- Estimate the perimeter and area of irregular shapes
- identify angles at a point and one whole turn (total 360˚)
- read Roman numerals to 1000 (M) and recognise years written in Roman numerals

Examples of Calculations in Year 5

Addition

Use a formal written method to add decimals to thousandths	*What is 56.893 kg added to 38.755 kg?* *5 6 . 8 9 3 kg* *+ 3 8 . 7 5 5 kg* *9 5 . 6 4 8 kg* *1 1 1*

Subtraction

Use a formal written method to subtract larger numbers	*A car is driven 13458 km in one year. The following year it is driven for 18906 km. How many more kilometres has been driven in the second year?*

Multiplication

Use a written method for TUxTU	*There are 12 pencils in a box. A school buys 24 boxes. How many pencils does the school buy?* *24* *x 12* *48 (24 x 2)* *240 (24 x 10)* *288*

Division

Use a written method for ThHTU ÷ U, including remainders	*How many 5s in 1382?* *2 7 6 r 2* *5 | 1 1 3 8 3 2*
Solve scaling problems, including those involving rates	*A car is drawn at a scale of 1:50. If the actual car is 3m 50cm in length, what is the length of the drawn car?*