Year 2

Essential Skills

YEAR 2

- Know multiplication facts for 2,3,5,10 times tables
- Find ½, ¼, ¾ of shapes and numbers
  ¼ of 12 is 3
- To recognise right angles
- Count to at least 100, and read and write numbers to 100
- Given any six numbers up to 100, put them in order
  35, 67, 71, 89, 94
- Count forwards and backwards in ones, 2s, 3s or tens from any two digit number
  37, 47, 57, 67, 77...
  55, 45, 35, 25, 15...
- Add and subtract numbers under 20 in their heads
- Know pairs of 'tens' numbers that make 100
  20+80=100
  40+60=100
  Double and halve (small) two digit numbers
  Half of 24 is 12
  Double 32 is 64
- Find the total value of a selection of coins to £1
- Measure or weigh using metres, centimetres, kilograms or litres
- compare and order … volume/capacity and record the results using >, < and =
- Use a ruler to draw and measure lines to the nearest centimetre
- Tell the time to five minutes including the half and quarter hour on a digital and analogue clock
- Name and describe common 2D and 3D shapes
- Explain how to work out simple number problems
- recognise, find, name and write fractions 1/3, 1/2 …. of a length, shape, set of objects or quantity
- choose and use appropriate standard units to estimate and measure … temperature (°C)…to the nearest appropriate unit, using … thermometers

Examples of Calculations in Year 2

Addition

Use a formal written method for TU+TU	*54+33=87* 5 4 + 3 3 8 7 *1. Add the ones* *4+3 = 7* 5 4 + 3 3 **7** *2. Add the tens* *50+30 = 80* 5 4 + 3 3 **8** 7
Calculate the value of a missing number in a mental addition	*What number goes in the box to make this calculation correct? □ + 12 = 27 How do you know?*

Subtraction

Use a formal written method for TU-TU	*What is 67 subtract 35?* *60 + 7* *- 30 + 5* *30 + 2* *1. Subtract the ones 7-5* 6 7 - 3 5 **2** *2. Subtract the tens 60-30* 6 7 - 3 5 **3** 2
Use mental strategies for TU – U up to and then crossing the tens	*Alice spent 64p. She spent 8p more than Sam. How much did Sam spend? What calculation is needed? How did you decide? How did you record it?*

Multiplication

Understand the x sign as 'multiplied by': 4+4+4 = 4x3	*4 + 4 + 4 + 4 + 4 = 20* *Write this addition fact as a multiplication fact.* *□ × □ = □*
Calculate the value of a missing number in a number sentence, such as 3 x _ = 30	*What are the missing numbers?* *□ × 2 = 16 10 × □ = 40* *□ × ◇ = 20* *How do you know?*

Division

Understand the ÷ sign as 'divided by' and 'groups of' 12 ÷ 3 = 4 groups of 3	*Show me on a number line how you could do: 14 ÷ 2, 15 ÷ 3, 20 ÷ 5* *15 pencils are grouped in threes. How many groups are there? Explain how you worked it out.*