

Y3 Skills: Maths

Read, write, compare and order numbers up to 1000 in numerals and words. Recognise the place value of each digit in a three-digit number

e.g. Accurately position 3-digit numbers on a number line, with and without interval marking.

Add and subtract up to three-digit numbers mentally and using formal written methods of column addition and subtraction (including amounts of money to give change, using both £ and p in practical contexts)

Solve problems (including estimating and checking using the inverse) involving; missing number problems, fractions, place value, addition, subtraction, multiplication, division, positive integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects

e.g.

$$9 \bigcirc 7 \bigcirc 3 \bigcirc 5 = 8$$

Recall and use multiplication and division facts for the 2, 3, 4, 5, 8 and 10 multiplication tables. Use this knowledge to write mathematical statements for multiplication and division, including two-digit numbers times one-digit numbers.

e.g.

$$8 \times 9 = 72$$

$$9 \times 8 = 72$$

$$72 \div 9 = 8$$

$$72 \div 8 = 9$$

$$3 \times 2 = 6$$

$$30 \times 2 = 60$$

$$60 \div 3 = 20$$

Count up and down in tenths, recognise that tenths arise from dividing an object into 10 equal parts in dividing one digit numbers or quantities by 10

e.g. $1/10$ can be written as 0.1

10 tenths is equivalent to 1

7cm piece of string cut into 10 equal parts will be 10 pieces that are 0.7 cm

Compare, order, add and subtract fractions with the same denominator. Recognise, find and use:

- fractions of a discrete set of objects, unit fractions and non-unit fractions with small denominators
 - fractions as numbers
- Equivalent fractions with small denominators

e.g. $5/8 = 1/8$ of a pizza

Find $3/4$ of an hour in minutes

Measure, compare, add and subtract lengths (m/cm/mm), mass (kg/g), volume/capacity (l/ml) and perimeter of 2D shapes

e.g. The flour weighs 1kg 25g and the sugar weighs 600g. How much heavier is the flour than the sugar?



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Tell and write the time from an analogue (including roman numerals), 12-hour and 24-hour clock. Use time related vocabulary such as o'clock, am/pm, midnight, morning, noon, afternoon, evening. Know the number of seconds in a minute, days in a month/year/leap year. Compare durations of events (e.g. calculate time taken by particular events)

e.g. Order these times 1 hour and 20 minutes, 85 minutes, quarter of a hour, $\frac{1}{2}$ hour, 2 hours, 35 minutes

Draw, recognise and describe 2D and 3D shapes in different orientations

e.g. Draw a right angled triangle with its longest side 1cm

Identify right angles, recognise that two right angles make a half-turn, three make three quarter turns and four complete a turn. Identify whether angles are greater than or less than a right angle.

e.g. which of these are = , > or < than a right-angle?



Interpret, present data and solve one-step and two-step problems using bar charts, pictograms and tables

e.g. How many more pupils prefer cola to milk?

e.g. How much did the temperature vary between the warmest and the coolest day?