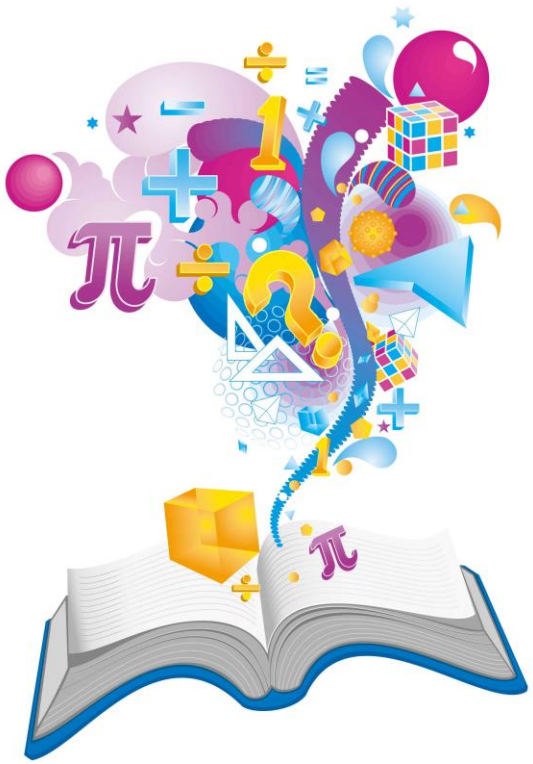
Maths Parent Workshop January 2026



Year 6

Addition and Subtraction

- Column method
- Involves a very good knowledge of place value and number bonds to twenty
- Language for addition: carry over, sum of, altogether, more, total, plus, increase, together
- Language for subtraction: exchange (used to be known as “borrow”), difference, decrease, fewer, between, reduce, minus, take
- Same for both whole and decimal numbers

$6 - 5.738 =$

$45.67 + 3.6$

At the start of June, there were 1,793 toy cars in the shop.

During June,

- 8,728 more toy cars were delivered
- 9,473 toy cars were sold.

How many toy cars were left in the shop at the end of June?

Multiplication

- Short multiplication
- Involves an excellent knowledge of times tables and number bonds to 20 (not using fingers!)
- Language for multiplication: product, multiply, lots of, times, groups of, multiple, factors, square numbers
- Multiplication of decimals:
  - Still the same method
  - Teach them to “ignore” the decimal place and then include it at the end

Write the two missing digits to make this **long multiplication** correct.

$$\begin{array}{r} 418 \\ \times\ 46 \\ \hline \end{array}$$

$$\begin{array}{rrrr} & & 4 & \square \\ & \times & \square & 6 \\ \hline & & 2 & 4 & 6 \\ & 8 & 2 & 0 \\ \hline 1 & 0 & 6 & 6 \end{array}$$

Alfie says,

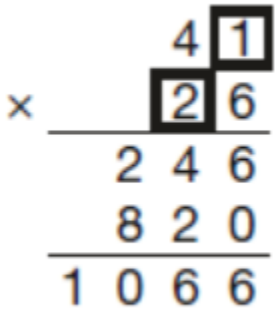
> ***'When you multiply two numbers together, the answer is always greater than either of the numbers you started with.'***

Is Alfie correct?
Circle **Yes** or **No**.

Yes / No

Explain how you know.

Award **TWO** marks for both digits correct, as shown:



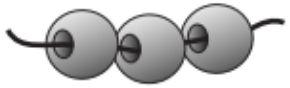
If the answer is incorrect, award **ONE** mark for one digit correct.

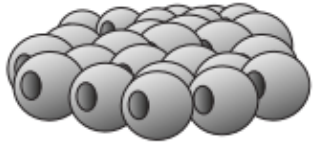
An example of a 3m question:

Layla makes jewellery to sell at a school fair.

Each bracelet has **53** beads.

She makes **68** bracelets.





Each necklace has **105** beads.

She makes **34** necklaces.

How many beads does Layla use **altogether**?

Division

- Two methods: long division and “bus stop”
- Involves an excellent knowledge of times tables
- Language for division: share equally, divisible by, divided by, group, prime numbers, factors
- “Remainders” to be presented as remainder, then fractions, then decimals
- Division of decimals:
  - Still the same method
  - Knowledge of place value

$102.4 \div 4 =$

$43\overline{)645}$

3 pineapples cost the same as 2 mangoes.

One mango costs £1.35

How much does **one** pineapple cost?

Mathematical Terminology

- Square and cube numbers
- Prime numbers/composite numbers
- Factors and multiples
- Prime factors
- BODMAS/BIDMAS

  $65 - 32 \times 2 =$

Other topics covered and tested in SATs:

statistics/data handling – average/mean; median, range
algebra

2d and 3d shapes and their properties

angles in a triangle, within intersecting lines, on a straight line, in quadrilaterals

circles –diameter and radius

metric units (Imperial measures) – conversions and word problems

rounding to the nearest 10; 100; 1000; 10,000