# Year 6 SATs Information

## Mathematics

There are three Maths papers: Paper 1 Arithmetic; Papers 2 & 3 Reasoning.
They may include questions covering:

1. Number and Place Value:
   - Understanding and using large numbers
   - Rounding numbers
   - Negative numbers

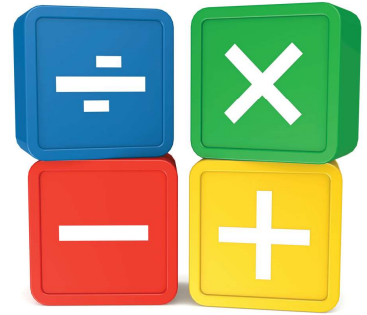2. Addition, Subtraction, Multiplication, and Division:
   - Written and mental methods
   - Problem-solving involving these operations

3. Fractions, Decimals, and Percentages:
   - Comparing and ordering fractions
   - Adding, subtracting, multiplying, and dividing fractions
   - Converting between fractions, decimals, and percentages

4. Ratio and Proportion:
   - Solving problems involving ratio and proportion

5. Algebra:
   - Simple formulae
   - Solving equations
   - Sequences

6. Measurement:
   - Converting between different units of measure
   - Calculating area, perimeter, and volume
   - Understanding and using time

7. Geometry:
   - Properties of shapes (2D and 3D)
   - Angles
   - Symmetry
   - Coordinates and transformations

8. Statistics:
   - Interpreting and presenting data
   - Mean, median, mode, and range

If you would like further help with SATs preparation please contact Kate – FCC Education Specialist
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$\dfrac{4}{6} \times \dfrac{1}{8} =$

$2 + 3^3 =$

$689 + 38 =$

$63 - 5.8 =$

$\dfrac{7}{10} \div 2 =$

$72 \div 3 =$

$2\dfrac{3}{8} - \dfrac{5}{8} =$

$$\begin{array}{r} 4\ 1\ 8 \\ \times \quad 4\ 7 \\ \hline \end{array}$$
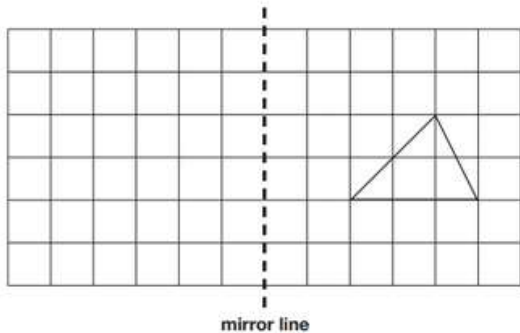
$99\% \text{ of } 600 =$

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Here is a triangle on a grid.



mirror line

Draw the reflection of the triangle in the mirror line.

Use a ruler.

1 mark

Layla plays basketball.

This graph shows how many points she scored in her first 3 games.



After 4 games, Layla had scored a total of 25 points.

Complete the graph.

Use a ruler.

Draw an arrow (↑) on the scale below to show **1350 grams**.



kilograms

1 mark

This table shows the cost of fruit at a school cafeteria.

| Fruit | Cost for one |
|---|---|
| banana | 12p |
| plum | 23p |
| apple | 32p |
| pear | 38p |

Amir buys two pieces of fruit.

He pays with a £2 coin.

He gets £1.50 change.
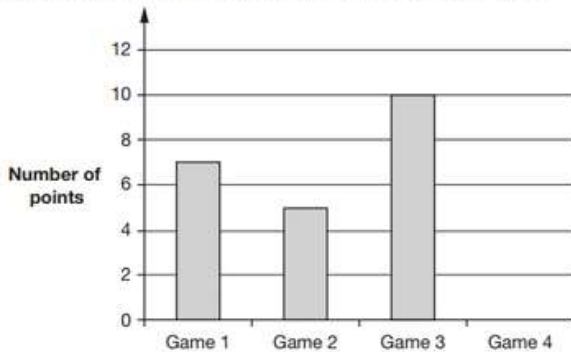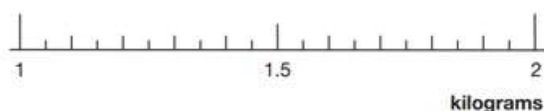
Tick the **two** pieces of fruit that Amir buys.

Tick **two**.

banana ☐

plum ☐

apple ☐

pear ☐

1 mark

The numbers in this sequence increase by the same amount each time.

Write the missing numbers.

| −11 | | 1 | 7 | | 19 |
|---|---|---|---|---|---|

1 mark

Match the name of each 3-D shape to its number of vertices.

| cube | | 9 |
|---|---|---|
| square-based pyramid | | 8 |
| triangular-based prism | | 6 |
| octagonal-based pyramid | | 5 |

1 mark

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