**1. Decimals – no calculator**

0.3 \times 0.15

**2. Integers**

Which of these shows the smallest change in temperature

- from \(-10^\circ C\) to \(-5^\circ C\)
- from \(-4^\circ C\) to \(0^\circ C\)
- from \(-3^\circ C\) to \(3^\circ C\)
- from \(4^\circ C\) to \(6^\circ C\)

**3. Ratio**

Two places are 4.7 cm apart on a map. On the map 1 cm represents 5 km. What is the actual distance between the two places?

**4. Probability**

There are 50 marbles in a bag. Ten marbles are red and the others are black. What is the chance of picking a red marble?

**5. Median**

What is the median of these numbers?

10 19 20 15 14 25 16 19 12

**6. Speed**

A cyclist travels 120 km in 8 hours. What is her average speed?

**7. Cartesian Plane**

What are the co-ordinates of point A?

**8. Stem and Leaf Plots**

Which score is missing from the plot?

<table>
<thead>
<tr>
<th>Stem</th>
<th>Leaf</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>11, 12, 12, 12, 18, 20, 21, 22, 22, 30</td>
</tr>
</tbody>
</table>

**9. Angles**

What is the value of angle a?

**10. Nets**

This is a triangular prism. Draw its net.

**11. Area**

What is the area of this parallelogram?

**12. Time**

How many minutes are between 2:27 am and 2:16 pm on the same day?