1. What **time** is shown here?

![Clock](image1)

**9 o'clock**

![Clock](image2)

**5 o'clock**

2. What **time** is shown on these digital clocks?

![Digital Clock](image3)

**8 o'clock**

![Digital Clock](image4)

**3 o'clock**

3. The day **after Wednesday** is ...... **Thursday**

The day **before Saturday** is ...... **Friday**

4. Fill in the missing days ......

**Sunday** ...... **Monday** ...... **Tuesday** ...... **Wednesday** ......
5. **Tick (✓) the time you stop school.**

<table>
<thead>
<tr>
<th>6 o'clock</th>
<th>7 o'clock</th>
<th>8 o'clock</th>
<th>9 o'clock</th>
<th>12 o'clock</th>
</tr>
</thead>
</table>

6. **Tick (✓) the time you have your lunch.**

<table>
<thead>
<tr>
<th>6 o'clock</th>
<th>7 o'clock</th>
<th>8 o'clock</th>
<th>9 o'clock</th>
<th>12 o'clock</th>
</tr>
</thead>
</table>

7. **Write these times in words.**

- **(one) 1 o'clock**
- **(seven) 7 o'clock**

8. **Show** on this digital clock.

| 10 : 00 |

9. **Write these 5 times in order. Put the earliest first.**

- 6 o'clock
- 9 o'clock
- 1 o'clock
- 8 o'clock
- 12 o'clock

1 o'clock, 6 o'clock, 8 o'clock, 9 o'clock, 12 o'clock
1. Name each of the following 2D shapes :-
   a
   b
   c
   c

2. List all the shapes used to make this face drawing.
   (For example, the mouth is a .............).

3. a How many sides are there in a square ?
   b Describe how a rectangle is different from a square.

4. Name each of the following 3D shapes :-
   a
   b
   c
   d
   e
   f
   g

5. Which of the above 7 shapes can be rolled ?

6. How many faces are there in a :-
   a cube   b square based pyramid ?

7. How many corners (vertices) has a :-
   a cuboid   b triangular prism ?

8. Which of these shapes are 2D shapes and which of them are 3D shapes ?
1. Write down the **area**, in boxes, of this shape.

![Image of a shape](image1.jpg)

2. Calculate the **area** of each of these shapes.
   *Show all working and answer in correct units.*
   
   a
   ![Image of a parallelogram](image2.jpg)
   b
   ![Image of a triangle](image3.jpg)
   
3. Work out the **perimeter** of this triangle.

   ![Image of a triangle](image4.jpg)

4. Write down the **volume** of this shape, in cm³.

   ![Image of a cube](image5.jpg)

5. The **perimeter** of this motorcycle circuit is 600 m. Calculate the length of the missing side.

   ![Image of a motorcycle circuit](image6.jpg)
6. The figure shows a garden lawn in the shape of a rectangle with a square slabbed patio cut out. What is the cost of returfing it, with turf costing £2.50 per square metre?

7. Make a sketch of the figure shown.
   a. Calculate and fill in the sizes of the two missing sides.
   b. Calculate the perimeter of the shape.

8. Calculate the volume of this solid shape.

9. This cuboid has a volume of 540 cm³. Work out the value of x.

10. How many litres of liquid will this container hold when full?

11. Calculate the total volume of this shape.
1. How many lines of symmetry do these shapes have?
   a  b  c

2. Copy the figure shown onto $\frac{1}{2}$ cm or 1 cm squared paper and complete it so that the dotted line is an axis of symmetry.

3. Which, if any, of these shapes have half turn symmetry?
   a  b  c

4. State what kind of turn symmetry ($\frac{1}{2}$, $\frac{1}{3}$, ...) these shapes have.
   a  b  c
5. Copy the shape below onto squared paper and rotate it 180° around the dot.

6. Make a copy of this shape in the centre of a page and surround it completely to show that this shape will “tile the plane”.

7. Which of the following shapes would tile the plane?

a  

b  

c
1. **Round to the nearest 1000** :-
   - 8499
   - 29672

2. The answer to **6529 + 2387** is about **6500 +** which equals

3. Write the number that comes :-
   - 500 after 8800
   - 200 before 19100

4. Write the number **903070** in **words** :-

5. Find the following :-
   - \(3890 + 470\)
   - \(15973 + 8609\)
   - \(9000 - 789\)
   - \(17200 - 9851\)

6. Find the following :-
   - \(3152 \times 7\)
   - \(15080 \times 8\)
   - \(73465 \div 5\)

   What is the weight of 1 pin ?

8. To what numbers do these arrows point ?
   - [370, 380]
   - [52, 53]
   - [03, 04, 05]
9. Write down the answers to the following:

   2356 \times 100
   123 \times 4000

   230,000 \div 1000
   8,260,000 \div 2000

10. I am thinking of a number. When I multiply it by 30 and add on 100 the answer is 1300. What was the number I was thinking of?

11. Round:
   - 19.812 to the nearest whole number.
   - 8.042 to 1 decimal place.
   - 4.9976 to 2 decimal places.

12. Do the following:

   19.8 + 2.77
   8.07 \times 6

   121.83 - 35.9
   31.27 \div 2

13. Find:

   23.8251 \times 1000
   19.8 \div 100

14. Find:

   10 - 2 \times 3

   28 + 12 \div 4 - 7

15. What is the temperature on this thermometer?

16. Find:

   8 - 10
   -3 + 11

   5 + (-7)
   (-11) - 6

17. Write down the next two numbers in these patterns:

   12, 15, 18, 21,
   13, 9, 5, 1,

   69, 61, 53, 45,
   1, 3, 9, 27,
18. Write down the first six **multiples** of 7.

19. Write down all the **factors** of 24.

20. Write down all the **prime** numbers between 10 and 30.

21. What **fraction** of this shape is shaded?

22. What **fraction** of these buttons are red?

23. What **percentage** of this square has been shaded?

24. In this flag, 30% of it is red, 45% is white and the rest is blue. What **percentage** is blue?

25. Write down any **fraction** equivalent to \( \frac{7}{8} \).

26. Simplify the fraction \( \frac{20}{35} \) as far as possible.

27. What is \( \frac{5}{6} \) of £3.60?

28. Re-write these numbers in order, putting the largest first \( \frac{3}{5}, 70\%, 0.65 \).

29. Express 35% as a **fraction**, simplifying it as far as possible.

30. Find 25% of £2.40.