1. Number machine:

   in → out

   8 goes in. What number comes out?
   
   120 comes out. What number went in?

2. What is the size of angle $a$?

   $a = {}^\circ$

3. Circle all the factors of 12

   1 2 3 4 5 6
   7 8 9 10 11 12

   Write two multiples of 12
   
   and

4. Write double five hundred thousand in figures.

   Write half of three hundred thousand in figures.

5. Carys has £120
   She spends £49.99
   How much is left?

   £
6. 10°C = °F

7. 0.15 + = 1
   0.675 + = 1

8. £1.98  £2.05  £7.48  £9.90  £4.53

   Estimate the total amount.

9. Circle all the numbers that are divisible by both 4 and 5

   8  10  20
   50  80  120

10. 4 \times 3 + 7 \times 3 =

11. Round 0.8127 to 3 decimal places.
12 Homework time at the weekend (in minutes)

Group A

- 91 to 120
- 61 to 90
- 46 to 60
- 31 to 45
- 0 to 30

Group B

- 91 to 120
- 61 to 90
- 46 to 60
- 31 to 45
- 0 to 30

Group [ ] has a modal class of 31 to 45 minutes.

Group [ ] spends more time on homework in general.

Complete this sentence for Group A.

[ ] of the pupils did homework for [ ] to [ ] minutes.

13 How many grams does the arrow show?

[ ] grams

Write this in kilograms.

[ ] kilograms

14 9.485 seconds

Round this time to the nearest tenth of a second.

[ ] seconds

15

\[ 17 \div 0.5 = \]

[ ]

\[ 3 \div 0.2 = \]

[ ]
16 London

- Clock showing 11:12 pm

Mumbai

- Clock showing 11:12 pm

The time in London is $4\frac{1}{2}$ hours behind the time in Mumbai.

At 6:45 am in London, it is : : in Mumbai.

At : : in London, it is 2:00 pm in Mumbai.

17 $\frac{3}{5} = \square = \square$

Fraction Decimal Percentage

18 Scores on a computer game:

21 23 18 17 21

What is the mean score?

19 Work out the area of the triangle.

Triangle with sides 7 cm, 6 cm, and an included angle.

cm$^2$
20. Work out $352 \div 16$.

21. Complete the table.

<table>
<thead>
<tr>
<th>Map distance</th>
<th>Real-life distance</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>1cm</td>
<td>1m</td>
<td>1 : 100</td>
</tr>
<tr>
<td>8cm</td>
<td>240cm</td>
<td>1 : _____</td>
</tr>
</tbody>
</table>

22. Write in order.

$$\frac{1}{3} \quad \frac{1}{5} \quad \frac{3}{10}$$

smallest largest

23. There are 150 books on a bookshelf.

2% of the books are about cars.

How many of the books are about cars?