PROCEDURAL
8EP14

First name ____________________________

Last name ____________________________

School ____________________________

Class ____________________________

Date of birth ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Date of test ☐ ☐ 05 2014

Total score ☐ (maximum 36)
1. \[ 18 \times (4 + 6) = \]

2. Add 1.95 to 19

3. Subtract 1.95 from 19

3. Some children got these scores in a spelling test.

\[
\begin{array}{cccccc}
6 & 8 & 6 & 5 & 9 & 8 \\
7 & 4 & 8 & 4 & 10 & 8
\end{array}
\]

Which score is the mode?
4. Write a **square root** of 16

5. £1 = 8.8 Danish kroner, so £5 = Danish kroner

6. \(3 \frac{1}{4} \text{ minutes} = \) minutes and seconds

7. Cost of a mobile phone:
   
   £4.99 each month for the first **six** months, then £19.79 each month

**Estimate**, to the nearest £10, the total cost of a mobile phone for the first **year**.
8. What is $33\frac{1}{3}\%$ of £600?

9. $10 \times 0.25 - 8 \times 0.25 = $

10. Cereal
    60p per 100g

What does a 350g box of cereal cost?

11. Write $\frac{42}{70}$ as simply as possible.
12 \[ \frac{8 \frac{1}{5}}{\text{km}} = \text{metres} \]

13 What percentage of 350 is 35?

\[ \% \]

14 **Train timetable:**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiff Central</td>
<td>09:21</td>
<td>11:21</td>
<td>13:21</td>
<td>15:21</td>
<td>17:21</td>
</tr>
<tr>
<td>Chester</td>
<td>12:23</td>
<td>14:23</td>
<td>16:26</td>
<td>18:26</td>
<td>20:32</td>
</tr>
</tbody>
</table>

Marc wants to travel from **Cardiff Central** to **Chester**.

How much longer does the 17:21 train take than the 13:21 train?

\[ \text{minutes} \]

15 \[ 2.7 \div 3 = \text{ } \]

5
16 What is 5 cubed?

17 Mari finds this information.

There were three-quarters of a million births last year in England and Wales. The pie chart shows the ages of the mothers.

Work out the number of births for mothers aged **under 20**
18. Megan and Nia share some money in the ratio 3 : 2

Megan has £24

Nia has £

Gethin and Ed share some money in the ratio 1 : 4

Gethin has £35

How much do they have altogether? £

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19. Flight from Cardiff departs 09:25 (UK time)

to Barbados arrives 13:55 (Barbados time)

Barbados is 4 hours behind the time in the UK.

How long is the flight?

hours and minutes
The area of this triangle is 10cm²

What is length $y$?

0.1 $\times$ 0.1 $=$

Joe is a gardener.
His hourly rate was £8
He increased his hourly rate by 10%
Then he increased it by 10% again.
What is his hourly rate after that?
Information about one day in Wales:

the mean temperature was $11^\circ C$ with a range of $4^\circ C$

the mean temperature was $^\circ F$ with a range of $^\circ F$
The bearing of B from A is 100°

Circle the value of angle $y$

60°  70°  80°  100°

What is the bearing of A from B?

Round 4519 to one significant figure.
Alys thinks of a number.

\[
\frac{1}{10} \text{ of her number is } 18
\]

What is \( \frac{1}{5} \) of her number?

<table>
<thead>
<tr>
<th>Number of children in each family</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
</tr>
</tbody>
</table>

What is the total number of children in these families?