First name ____________________________

Last name ____________________________

School ____________________________

Class ____________________________

Date of birth ____________

Date of test ____________ 05 2018

Total score ____________ (maximum 20)
1

Arwel has 2 cooks.
Each cook has 3 helpers.
Each helper has 4 pans.
Altogether, how many pans are there?

Arwel leaves at 8am.
- Each hour he travels 5 miles.
- Gwen's palace is 30 miles away.

Without the raven's help, at what time would he arrive at Gwen's palace?

He would arrive at
Arwel leaves at 8am.

- Each hour he travels 5 miles.
- Gwen's palace is 30 miles away.

The raven helps!

When you call me I will **double** the distance you have already travelled.

Arwel wants to arrive as quickly as possible.

At what time should he call the raven?

He should call at
2. Write the missing digits.

\[
\begin{array}{c}
2 \quad \square \\
\end{array}
\quad + 
\begin{array}{c}
\square \quad 2 \\
\end{array}
= 
\begin{array}{c}
4 \quad 0 \\
\end{array}
\]

\[
\begin{array}{c}
3 \\
\end{array}
\quad - 
\begin{array}{c}
3 \\
\end{array}
= 
\begin{array}{c}
6 \quad 0 \\
\end{array}
\]

3. A shop sells orange juice.

- **Small bottle**: 95p for \(\frac{1}{2}\) litre
- **Large bottle**: £1.50 for 1 litre

Brad buys 1 litre in small bottles.
Ryan buys 1 litre in one large bottle.
How much more does Brad pay than Ryan?
Star patterns use 2 red rods with each blue rod.

Examples:

- 4 blue rods
- 8 red rods
- 6 blue rods
- 12 red rods

Poppy makes a star pattern.
She uses 20 red rods.
How many blue rods does she use?

Jamal makes a star pattern.
He uses 120 rods altogether.
How many blue rods and red rods does he use?
Scores in a singing competition

<table>
<thead>
<tr>
<th></th>
<th>Tom</th>
<th>Elain</th>
<th>Mia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Judge A</td>
<td>4</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Judge B</td>
<td>2</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

In the table, **4** shows Tom’s score from judge A.

In the table, **1** shows ____________.

In the table, **9** shows ____________.

The chart below shows the total scores from judges A, B and also C.

![Bar chart showing total scores for Tom, Elain, and Mia from judges A, B, and C.]

Work out judge C’s scores.

<table>
<thead>
<tr>
<th></th>
<th>Tom</th>
<th>Elain</th>
<th>Mia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Judge C</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Sam and Meg have lots of blocks that are all the same height.

They stand on some of the blocks.

Now they are both 140cm high.

Sam stands on 8 blocks.

How many blocks does Meg stand on?

Show how you work it out.