## May 8th

### 5-a-day

<table>
<thead>
<tr>
<th>Write 3941 in words</th>
<th>What is half of 7?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three thousand, nine hundred and forty one.</td>
<td>3.5</td>
</tr>
</tbody>
</table>

Kellie sells 4 books of raffle tickets. There are 10 tickets in each book. How many tickets does she sell?

<table>
<thead>
<tr>
<th>gold</th>
<th>silver</th>
<th>bronze</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA</td>
<td>40</td>
<td>24</td>
</tr>
</tbody>
</table>

A gold scores 3 points. A silver scores 2 points. A bronze scores 1 point.

<table>
<thead>
<tr>
<th>How many points did USA score?</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
</tr>
</tbody>
</table>

Sally is 1.42 metres tall. Jo is 3 centimetres taller than Sally. Work out Jo’s height in metres.

<table>
<thead>
<tr>
<th>Patrick’s height is 150 centimetres. During one year, his height increase by 5%. Work out the increase in Patrick’s height.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10% = 15</td>
</tr>
<tr>
<td>5% = 7.5cm</td>
</tr>
<tr>
<td>7.5cm</td>
</tr>
</tbody>
</table>
What is the reciprocal of two-thirds?

\[
\frac{2}{3} \quad \frac{3}{2} \quad 1\frac{1}{2}
\]

Martha has 40 postage stamps.
The ratio of second class to first class is 3:2.
Work out how many second class stamps Martha has.

\[
3+2=5 \\
40 \div 5 = 8 \\
8 \times 3 = 24
\]

Find the length of the missing side

\[
7^2 + 10^2 = c^2 \\
149 = c^2 \\
c = \sqrt{149} = 12.2 \text{ cm}
\]

\[
\begin{array}{c}
7 \text{cm} \\
10 \text{cm}
\end{array}
\]

Draw x = 3

Draw y = 4

Complete the table and draw the line

\[
x \quad -2 \quad -1 \quad 0 \quad 1 \quad 2 \\
y \quad -3 \quad -2 \quad -1 \quad 0 \quad 1
\]
<table>
<thead>
<tr>
<th>May 8</th>
<th>5-a-day</th>
<th>Higher</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Cylinder diagram" /></td>
<td>Work out the volume in terms of pi.</td>
<td>[\pi \times 5^2 \times 10 = 250 \pi \text{ cm}^3]</td>
</tr>
<tr>
<td>Write 0.434343... as a fraction</td>
<td>[\frac{x}{100} = 0.434343...]</td>
<td>[x = \frac{43}{99}]</td>
</tr>
<tr>
<td>Work out the value of (64^{-\frac{5}{6}}) Leave your answer as a fraction.</td>
<td>[\left(\frac{1}{64}\right)^{\frac{5}{6}} = \left(\sqrt[6]{64}\right)^5]</td>
<td>[\frac{1}{32}]</td>
</tr>
<tr>
<td>Work out 0.25(^{-1})</td>
<td>(\left(\frac{1}{4}\right)^{-1} = 4)</td>
<td></td>
</tr>
</tbody>
</table>

A shopkeeper normally sells his goods at 80% above cost price. In a sale he reduces his prices by 40%. What percentage profit does he make on goods sold in the sale? 8%