<table>
<thead>
<tr>
<th>April 5th</th>
<th>5-a-day</th>
<th>Numeracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Write 16:35 using the 12-hour clock.</td>
<td>Write 11:50pm using the 24-hour clock.</td>
<td>4:35pm</td>
</tr>
<tr>
<td>5 2 4 8 2 1 5 3 2</td>
<td>b) Find the median</td>
<td>b) Find the median</td>
</tr>
<tr>
<td>a) Find the mode</td>
<td>c) Work out the range</td>
<td>a) Find the mode</td>
</tr>
<tr>
<td>Simplify ( a \times b \times 3 )</td>
<td>Solve ( x - 5 = 3 )</td>
<td>Simplify ( a \times b \times 3 )</td>
</tr>
<tr>
<td>( W = 3y - 2n )</td>
<td>Work out ( y ) if ( W = 19 ) and ( n = 7 )</td>
<td>( W = 3y - 2n )</td>
</tr>
<tr>
<td>3 cm</td>
<td>8 cm</td>
<td>5 cm</td>
</tr>
</tbody>
</table>
### Work out

\[
\frac{3}{5} \text{ of } 32
\]

\[
32 \div 5 = 6.4
\]

\[
3 \times 6.4 = 19.2
\]

Give your answer as a decimal

### Calculate the area

\[
3.2 \times 5 \quad \approx 16 \text{ cm}^2
\]

### Calculate the length of the third side of the triangle.

\[
a^2 + b^2 = c^2
\]

\[
25 + 40.96 = c^2
\]

\[
c = 8.12 \text{ cm}
\]

Reflect in the line \( x = 1 \)
### 5-a-day

**Expand and simplify**

\[(w - 4)(2w - 7)\]

\[2w^2 - 7w - 8w + 28\]

\[2w^2 - 15w + 28\]

**Explain why regular pentagons do not tessellate.**

- Each angle is 108°
- 360° is not divisible by 108

**Over the past year, on an island, the population of seals have decreased by 15% to a number of 5525.**

- What is the population of seals last year?

\[85\% = 5525\]
\[10\% = 65\]
\[100\% = 6500\]

**Calculate the area of the sector**

\[\frac{20}{360} \times \pi \times 10^2\]

\[17.45\text{ cm}^2\]

<table>
<thead>
<tr>
<th>Age</th>
<th>Frequency</th>
<th>Density</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 10</td>
<td>3</td>
<td>0.3</td>
</tr>
<tr>
<td>10 - 20</td>
<td>30</td>
<td>3</td>
</tr>
<tr>
<td>20 - 40</td>
<td>30</td>
<td>1.5</td>
</tr>
<tr>
<td>40 - 50</td>
<td>9</td>
<td>0.9</td>
</tr>
</tbody>
</table>

Nigel wants to draw a histogram. Calculate the frequency densities.