### June 5th

<table>
<thead>
<tr>
<th></th>
<th>5-a-day</th>
<th>Numeracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>$14 \div 2$</td>
<td>7</td>
<td>24 $\div 8$</td>
</tr>
<tr>
<td>$28 \div 4$</td>
<td>7</td>
<td>40 $\div 8$</td>
</tr>
</tbody>
</table>

Complete the stem-and-leaf and key:

Key: $10 | 0$ represents $100$ visitors

A teacher wants to find out how many times students go to the cinema each month.

Write a suitable question and include a response section:

How many times do you go to the cinema each month?

- 0-1
- 2-3
- 4+

Mr and Mrs Jones and their two children visit a museum.

<table>
<thead>
<tr>
<th>Single tickets</th>
<th>Family tickets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adult £12.50</td>
<td>1 adult and 2 children £25</td>
</tr>
<tr>
<td>Child £8</td>
<td>1 adult and 3 children £30</td>
</tr>
<tr>
<td></td>
<td>2 adults and 2 children £35</td>
</tr>
<tr>
<td></td>
<td>2 adults and 3 children £40</td>
</tr>
</tbody>
</table>

How much money if they buy a family ticket compared to single tickets?

- 2 Adults - £25
- 2 Children - £16

£6

Work out 30 multiplied by 40

1200

What is 3 less than 0?

-3
<table>
<thead>
<tr>
<th>June 5</th>
<th>5-a-day</th>
<th>Foundation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pattern 1</td>
<td>Pattern 2</td>
<td>Pattern 3</td>
</tr>
<tr>
<td><img src="image1" alt="Pattern 1" /></td>
<td><img src="image2" alt="Pattern 2" /></td>
<td><img src="image3" alt="Pattern 3" /></td>
</tr>
<tr>
<td>1</td>
<td>4</td>
<td>7</td>
</tr>
</tbody>
</table>

How many squares are in pattern 5? 13

What is the nth term for the number of squares? \(3n - 2\)

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Write 20 as a product of primes.

\(2 \times 2 \times 5\)

\(2^2 \times 5\)

What length is the line BE? 4.5 cm

What length is the line BE? 4.5 cm

Work out the size of angle DBE.

\(140^\circ + 70^\circ + 90^\circ = 300^\circ\)

\(360^\circ - 300^\circ = 60^\circ\)
<table>
<thead>
<tr>
<th>June 5</th>
<th>5-a-day</th>
<th>Higher</th>
</tr>
</thead>
</table>
| \[
\frac{x - 3}{2} = 8
\] | \[
\frac{x - 3}{2} = 16
\]  
|       | \[
\lambda = 19
\]  |
| \[
\frac{\frac{3}{8}}{\frac{1}{3}}
\] | \[
\frac{\frac{5}{8} \times \frac{3}{1}}{\frac{9}{8}}
\]  
|       | = 1\frac{1}{8}  |

Simplify

\[
(9x^2y^4)^2
\]

\[
81x^4y^8
\]

Simplify fully

\[
\frac{x^2 + 4x}{x^2 + 3x - 4}
\]

\[
\frac{\frac{x(x+4)}{(x+4)(x-1)}} = \frac{x}{1-1}
\]

Find the equation of the line passing through (-1, 1) and (3,13)

\[
m = \frac{13 - 1}{3 - (-1)} = \frac{12}{4} = 3
\]

\[
y = 3x + C
\]

\[
13 = 9 + C
\]

\[
C = 4
\]

\[
y = 3x + 4
\]