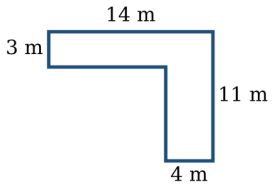
| Day 290 | C Tier 10-a-day |
|---|---|
| **1** A shelf has 11 fiction books and 8 non-fiction books.<br>Write down the ratio of fiction to non-fiction. | |
| **2** Work out the value of $\frac{p}{8}$ when p = 40. | |
| **3** Write down the prime number in this list.<br>27, 45, 43, 15 | |
| **4** The diagram shows an L-shape.<br>All the corners are right angles.<br>Work out the perimeter of the shape.<br>The diagram is not drawn accurately.<br> | |
| **5** A train travels 48 miles in 4 hours.<br>Work out its average speed. | |

**Day 290** **C Tier 10-a-day**

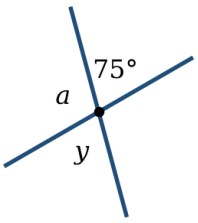
**6** The point P has coordinates (3, −2).
P is reflected in the line y = 0.
Write down the coordinates of the image of P.

**7** A game uses a four-coloured spinner.
The table shows the probability of each colour.
The probabilities add up to 1.
Work out the missing probability.

| Colour | Red | Blue | Green | Yellow |
|---|---|---|---|---|
| Prob. | 0.4 | 0.2 | ? | 0.25 |

**8** I think of a number.
I subtract 3.
My answer is 7.
What number did I think of?

**9** The diagram shows two straight lines crossing.
(a) Work out the size of angle y.
(b) Work out the size of angle a.
The diagram is not drawn accurately.




**10** A straight line passes through the points
(1, 1), (3, 3), (4, 4)
Write down the equation of the line.