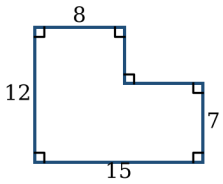
Day 36 **B Tier 10-a-day**

1 Here are the masses of some parcels.
11, 7, 5, 2, 7
Work out the mean.

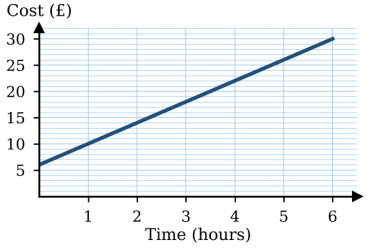
2 What is the order of rotational symmetry of a scalene triangle?

3 A choir has 30 members.
$\frac{4}{5}$ of the members are girls.
How many are not girls?

4 The diagram shows the shape of a garden.
All the corners are right angles. All lengths are in cm.
(a) Calculate the perimeter.
(b) Calculate the area.



5 A plumber charges a call-out fee plus a cost for each hour of work.
The graph shows the total cost.
(a) Write down the fixed charge.
(b) Work out the cost for each hour.

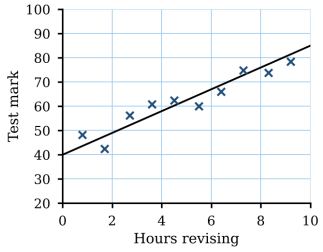


Day 36 **B Tier 10-a-day**

6 A spacecraft travels at 6×10^4 km per hour.
It travels for 2.4×10^3 hours at this speed.
Work out how far it travels.
Give your answer in standard form.

7 Simplify fully $\frac{20x^2}{5x}$

8 The scatter graph shows information about hours revising and test mark.
A line of best fit is drawn.
(a) Describe the correlation.
(b) Use the line of best fit to estimate the test mark when hours revising is 4.



9 Here is a formula.
$A = 3a^2$
Work out the value of A when a = 4

10 In a sale, the price of a sofa is reduced by 10%. (Calculator)
Two weeks later it is reduced by a further 20% of the new price.
The final price is £144.
Work out the original price of the sofa.