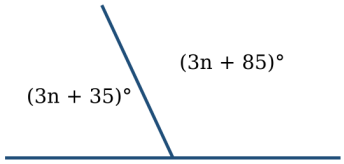
Day 39 **B Tier 10-a-day**

1 The diagram shows 2 angles on a straight line.
Work out the value of n.
The diagram is not drawn accurately.

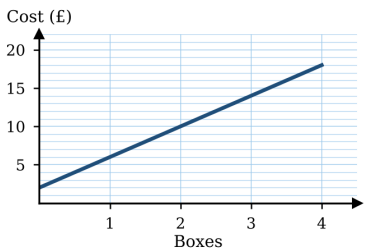


2 I think of a number.
I multiply it by 3 and then subtract 1.
The answer is 29.
Work out my number.

3 (a) Change 8.6 m to mm.
(b) Change 3415 m to km.

4 Two rectangles are joined to make a shape.
The first is 3 cm by 7 cm.
The second is 14 cm by 14 cm.
Work out the total area of the shape.

5 A printing company charges a set-up fee plus a cost for each box of leaflets.
The graph shows the total cost.
(a) Write down the fixed charge.
(b) Work out the cost for each box.



Day 39 **B Tier 10-a-day**

6 The table shows some information about 82 students.
One person from the group "Year 11" is chosen at random.
Find the probability that this person chose "Pizza".

	Pizza	Pasta	Total
Year 10	8		32
Year 11		22	
Total			82

7 The price of a laptop is £120.
The price is first reduced by 30%, then the new price is reduced by 25%.
(a) Work out the final price.
(b) Work out the overall percentage decrease in the price.

8 Priya earns £8 per hour for the first 35 hours worked each week.
Any extra hours are paid at double time.
Last week Priya worked 39 hours.
Work out Priya's total pay for last week.

9 The number x is rounded to the nearest 10.
The result is 290.
Write down the error interval for x.

10 Make S the subject of the formula

$D = \frac{S}{T}$