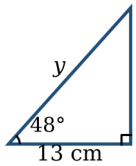
Day 320	B Tier 10-a-day
1 Here are the first four terms of a sequence. 5, 50, 500, 5000 (a) Write down the next two terms. (b) Describe the rule for continuing the sequence.	
2 A triangle has sides of length 26 mm, 15 mm and 20 mm. Is the triangle right-angled? You must show your working.	
3 Work out (a) 5% of £240 (b) 20% of 60	
4 £1 = 1.25 dollars A holiday costs $187.50. Work out the cost in pounds.	
5 Use the fact that 33 × 29 = 957 to work out (a) 3.3 × 2900 (b) 9.57 ÷ 33	

Day 320 **B Tier 10-a-day**

6 A rectangle is 8 m long and 4 m wide.
It is enlarged by scale factor 1.5.
(a) Write down the length and width of the enlarged rectangle.
(b) Work out the perimeter of the enlarged rectangle.

7 Solve $5x - 6 = 1$
Give your answer as a fraction in its simplest form.

8 Work out the length of y. (Calculator)
Give your answer correct to 1 decimal place.
The diagram is not drawn accurately.



9 A coach travels at 60 km/h for 1 hour and then at 36 km/h for 1 hour.
Work out its average speed for the whole journey.

10 The cumulative frequency graph shows the times taken by 40 students to complete a puzzle.
(a) Use the graph to estimate the median.
(b) Work out an estimate for the interquartile range.

