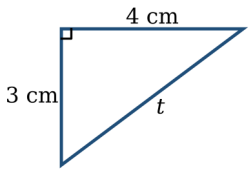
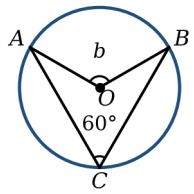
Day 281	B Tier 10-a-day
1 Tom buys 4 sandwiches at £1.20 each and 4 bottles of juice at £1.45 each. He pays with a £50 note. Work out how much change he gets.	
2 (a) Solve $-10 \leq 4x + 2 \leq 2$ (b) Write down the integer values of x that satisfy this inequality.	
3 Work out (a) 35% of £180 (b) 60% of 400	
4 Calculate the length of t. The diagram is not drawn accurately. 	
5 Work out the value of this expression. (Calculator) $\frac{8.8 + 7.1}{9.4 \times 3.5}$ Give your answer correct to 3 significant figures.	

Day 281 **B Tier 10-a-day**

6 C is directly proportional to t.
When t = 8, C = 72.
Find the value of C when t = 20.

7 A, B and C are points on a circle, centre O.
Angle ACB = 60°.
Work out the size of angle AOB, marked b.
Give a reason for your answer.
The diagram is not drawn accurately.



8 A stratified sample of 20 students is taken from the 400 students in the table.
Work out how many students should be sampled from Group A.

Group	Students
Group A	120
Group B	200
Group C	80

9 A gym charges a joining fee of £16 and £13 for each month of membership.
(a) Work out the total cost for 4 months.
(b) The total cost is £120. Work out the number of months.

10 A bag contains 4 green beads and 7 yellow beads.
Ben takes one at random and does not replace it, then takes a second.
Work out the probability that the two are different colours.