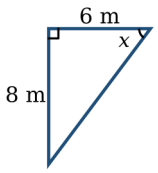
Day 4	B Tier 10-a-day
1 Does the point (5, −8) lie on the line $y = -3x + 7$? You must show your working.	
2 A tractor leaves at 8:15 am. It travels 60 km at an average speed of 12 km/h. At what time does it arrive?	
3 Solve $\frac{p}{3} + 4 \geq 10$	
4 The ratio of sweet to salted packets of crisps is 9 : 8. What fraction of them are sweet?	
5 Sophie is paid £13 per hour for a 37 hour week. (Calculator) Overtime is paid at double time. In one week she works 5 hours of overtime. Work out her total pay for that week.	

Day 4	B Tier 10-a-day
6 6 machines take 10 hours to make a batch of parts. All the machines work at the same rate. How long would it take 10 machines?	
7 Triangle PQR is isosceles with PQ = PR = 17 cm. The base QR = 16 cm. (a) Work out the perpendicular height of the triangle. (b) Work out the area of the triangle.	
8 Estimate the value of $\frac{51.4}{0.167} + 4.15$ Show your rounding to 1 significant figure.	
9 Calculate the size of angle x. (Calculator) Give your answer correct to 1 decimal place. The diagram is not drawn accurately. 	
10 The length of a rectangle is 27 cm and its width is 29 cm. Both measurements are correct to the nearest cm. Work out the lower bound for the area of the rectangle.	