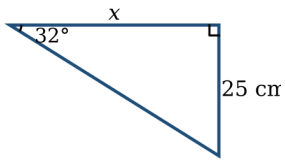
Day 231	B Tier 10-a-day
1 Hannah buys 4 magazines at 60p each and 3 notebooks at 95p each. She pays with a £10 note. Work out how much change she gets.	
2 Expand (a) $2(3x - 4)$ (b) $3x(x - 6)$	
3 Will has $\frac{1}{2}$ of £48. Kofi has 60% of £180. Who has more money? You must show your working.	
4 Work out the gradient of the straight line that passes through the points $(4, -5)$ and $(2, -14)$.	
5 A rectangle is 2 cm long and 10 cm wide. It is enlarged by scale factor 4. (a) Write down the length and width of the enlarged rectangle. (b) Work out the perimeter of the enlarged rectangle.	

Day 231	B Tier 10-a-day
6 A stone has a mass of 150 g and a volume of 60 cm^3. Work out its density. Give your answer in g/cm^3.	
7 Work out the length of x. (Calculator) Give your answer correct to 1 decimal place. The diagram is not drawn accurately. 	
8 A rectangle has length (5x + 8) cm and width (x + 3) cm. Write down an expression, in terms of x, for the perimeter of the rectangle. Give your answer in its simplest form.	
9 A lorry travels at 80 km/h for 0.5 hours and then at 20 km/h for 2.5 hours. Work out its average speed for the whole journey.	
10 Triangle XYZ is isosceles with XY = XZ = 20 cm. (Calculator) The base YZ = 30 cm. Work out the size of angle XYZ. Give your answer correct to 1 decimal place.	