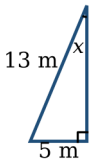
Day 337	B Tier 10-a-day
1 Write the ratio 24 : 64 in its simplest form.	
2 Beth scores 12 out of 80 in a test. Write her score as a fraction in its simplest form.	
3 After 5 tests, Tara's mean mark is 74. After her next test, her mean mark is 76. What mark did she get in her next test?	
4 (a) Kofi scores 8 out of 250 in a quiz. Write this as a percentage. (b) Write 30p as a percentage of £5.	
5 A spinner has coloured sections. It is spun 400 times and lands on green 320 times. What is the relative frequency of green? Give your answer as a decimal.	

Day 337	B Tier 10-a-day
6 Expand and simplify $4(x - 6) + 6(x + 5)$	
7 Work out the size of angle x. (Calculator) Give your answer correct to 1 decimal place. The diagram is not drawn accurately.  	
8 Solve the simultaneous equations $2x + 3y = 27$ $5x - 6y = 0$	
9 There are 6.6×10^5 fish in a lake. The number doubles every day. How many are there after 5 days? Give your answer in standard form.	
10 A cone has base radius 2 cm and vertical height 3 cm. Volume of a cone = $\frac{1}{3}\pi r^2 h$ Work out the volume of the cone. Give your answer in terms of π.	