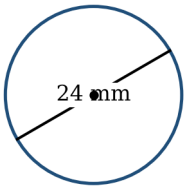
Day 21	B Tier 10-a-day
1 x is an integer. Write down the greatest value of x for which $x < 1.7$	
2 (a) Jasmine scores 320 out of 400 in a test. Write this as a percentage. (b) Write £1.35 as a percentage of £5.	
3 I think of a number. I add 6 and then multiply the result by 4. The answer is 84. Work out my number.	
4 The diagram shows a circle with diameter 24 mm. Work out the circumference of the circle. Give your answer in terms of π. The diagram is not drawn accurately. 	
5 2 pumps take 60 minutes to empty a pool. All the pumps work at the same rate. How long would it take 6 pumps?	

Day 21	B Tier 10-a-day
6 Mohammed is paid £8 per hour for a 35 hour week. (Calculator) Overtime is paid at double time. In one week he works 7 hours of overtime. Work out his total pay for that week.	
7 Nia types at 50 words per minute. (a) How many words does Nia type in 12 minutes? (b) How long does Nia take to type 1800 words?	
8 A takeaway sells burgers and portions of chips. 2 burgers and 2 portions of chips cost £10. 4 burgers and 2 portions of chips cost £18. Work out the cost of one burger and the cost of one portion of chips.	
9 There are 2.2×10^4 bacteria in a dish. The number doubles every day. How many are there after 5 days? Give your answer in standard form.	
10 Triangle PQR is isosceles with PQ = PR = 10 m. The base QR = 16 m. (a) Work out the perpendicular height of the triangle. (b) Work out the area of the triangle.	