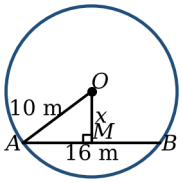
Day 58	B Tier 10-a-day
1 (a) Write down all the prime numbers between 18 and 29. (b) Explain why 21 is not a prime number.	
2 How many lines of symmetry does a regular decagon have?	
3 Write 420 as a product of its prime factors. Give your answer in index form.	
4 Zain earns £12 per hour for the first 36 hours worked each week. Any extra hours are paid at time and a half. Last week Zain worked 42 hours. Work out Zain's total pay for last week.	
5 Work out $3\frac{3}{4} + 1\frac{3}{5}$ Give your answer as a mixed number.	

Day 58	B Tier 10-a-day
6 A rectangle is 11 cm long and 3 cm wide. (Calculator) Work out the length of a diagonal of the rectangle. Give your answer correct to 1 decimal place.	
7 Make m the subject of the formula $y = mx + c$	
8 The probability that Amy is late for school on any day is 0.5. The probability that Ben is late on any day is 0.3. Whether each is late is independent of the other. Work out the probability that at least one of them is late on Monday.	
9 A circle has centre O and radius 10 m. AB is a chord and M is the midpoint of AB. OM is perpendicular to AB. Work out the value of x. The diagram is not drawn accurately. 	
10 A rectangle has length $(x + 5)$ cm and width $(x - 1)$ cm. The area of the rectangle is 16 cm^2. (a) Show that $x^2 + 4x - 21 = 0$ (b) Hence work out the length of the rectangle.	