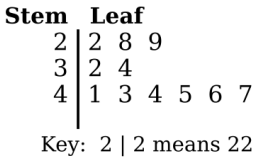
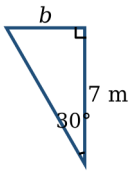
Day 241	B Tier 10-a-day
1 The temperature in a freezer is $-8°C$. (a) The temperature rises by 5°C. Work out the new temperature. (b) The highest temperature one day was 12°C and the lowest was $-7°C$. Work out the difference.	
2 (a) Convert 12 litres to ml. (b) Convert 1.5 cm^2 to mm^2.	
3 Write down (a) the square root of 36 (b) the cube root of 8	
4 The stem and leaf diagram shows 11 values. (a) Find the median. (b) Work out the range.  	
5 Does the point (2, 14) lie on the line $y = 3x + 8$? You must show your working.	

Day 241	B Tier 10-a-day
6 Calculate the length of b. (Calculator) Give your answer correct to 1 decimal place. The diagram is not drawn accurately. 	
7 6 painters take 4 hours to paint a fence. All the painters work at the same rate. How long would it take 8 painters?	
8 Simplify fully $\frac{x^2 - 7x}{x}$	
9 A lorry travels at 30 km/h for 0.5 hours and then at 60 km/h for 2.5 hours. Work out its average speed for the whole journey.	
10 Triangle PQR is isosceles with PQ = PR = 18 m. (Calculator) The base QR = 14 m. Work out the size of angle PQR. Give your answer correct to 1 decimal place.	