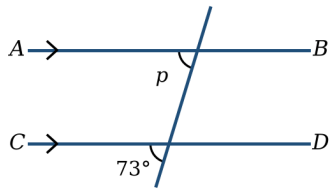
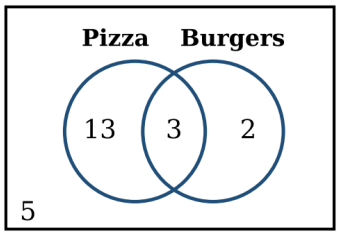
Day 128	B Tier 10-a-day
1 Here are the amounts needed to make a smoothie for 2 people. 200 g of yoghurt, 120 ml of juice Work out the amounts needed to make a smoothie for 9 people.	
2 Simplify fully (a) 5c × 4d (b) 8a × 6a	
3 In the diagram, AB is parallel to CD. (a) Work out the size of angle p. (b) Give a reason for your answer. The diagram is not drawn accurately. 	
4 Work out (a) $\frac{1}{4}$ of 48 (b) $\frac{1}{3}$ of £21	
5 Expand (a) 9(5x − 9) (b) 4x(x + 8)	

Day 128 **B Tier 10-a-day**

6 Triangle ABC is isosceles with AB = AC = 13 cm.
The base BC = 10 cm.
(a) Work out the perpendicular height of the triangle.
(b) Work out the area of the triangle.

7 The Venn diagram shows information about 23 children at a party.
One of them is chosen at random.
Find the probability that the person chose Pizza or Burgers or both.



8 Priya invests £800 in a savings account. (Calculator)
The account pays 4% compound interest per year.
Work out the amount in the account after 3 years.
Give your answer to the nearest penny.

9 Solve $x^2 - 12x + 36 = 0$

10 Work out the length of d. (Calculator)
Give your answer correct to 1 decimal place.
The diagram is not drawn accurately.

