B

Which of these is a formula?

① | 3g + 5 | | H= 3b + 2w | | 20 = 2y—5 |

② | Y = 2a—3b | | 3b—2 | | 10 = 2a + 5 |

Use the formula P = 2l + 2w to find the perimeter of the following rectangles:

③ l7 w9   ⑥ l3.2 w4.5

④ L13 w12   ⑦ l = w = 6.1

⑤ l18 w7

The formula to work out the third angle (a) of a triangle is a = 180—(b+c). Work out the missing angle using the following information:

⑧ b = 37 c = 42

⑨ b = 63 c = 84

⑩ b = 21 c = 90

Work out the diameter using the formula d = 2 x r

⑪ r = 7.5

⑫ r = 19

Work out the volume of the cuboids, if V = l x w h

⑬ l=2 w =3 h = 8   ⑮ l=6 w =2 h = 9

⑭ l=7 w =3 h = 4   ⑯ l=8 w =4 h = 5

⑰ There are 5 times as many cans of lemonade in lorry 1 as there are in lorry 2. There are 7 boxes in lorry 2. If there are 756 cans altogether, how many cans are in a box?

Create a formula to show how to work this out.

⑱ Use the formula to find the costs of two different taxi journeys which both have an average speed of 60mph.

If a journey is 12 miles log, which rate is cheaper?

What is the difference between the prices? At which point is it cheaper to travel by the first rate?

| C = £1.50 + 0.3m |
| C = cost   m = miles |

| C = 0.5t |
| C = cost   t = minutes |