

A

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  $l = 15$   $w = 4$

6  $l = 6$   $w = 3$

4  $l = 2$   $w = 7$

7  $l = w = 8$

5  $l = 0.5$   $w = 9$

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  $b = 60$   $c = 60$

9  $b = 20$   $c = 35$

10  $b = 40$   $c = 50$

Work out the diameter using the formula  $d = 2 \times r$

11  $r = 7$

12  $r = 14$

Work out the volume of the cuboids, if  $V = l \times w \times h$

13  $l = 2$   $w = 3$   $h = 4$

15  $l = 2$   $w = 4$   $h = 5$

14  $l = 1$   $w = 5$   $h = 10$

16  $l = 1$   $w = 7$   $h = 2$

17 There are 5 boxes of cans in lorry 1 and there are 7 boxes in lorry 2. If there are 60 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.

The first journey which is 12 miles long and the second journey takes 8 minutes.

Which journey is cheaper?

Use the formula below to work out the costs.

$C = £1.50 + 0.5m$

C = cost      m = miles

$C = 2t$

C = cost      t = minutes