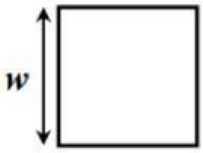
Algebra

Formulae

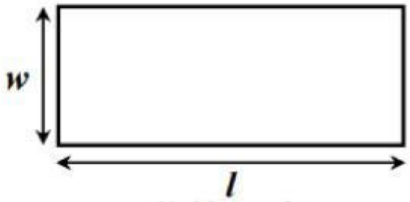
6a. Work out the perimeter (p) of this shape using the formula $p = 4w$, if $w = 2.3$cm.



Not to scale

VF

6b. Work out the perimeter (p) of this shape using the formula $p = 2\,(w + l)$, if $w = 1.5$cm and $l = 5.2$cm.



Not to scale

VF

7a. Circle the correct formula for finding a squared number.

$$a = 2b$$

$$a = b \times b$$

$$a = \frac{b}{2}$$

VF

7b. Circle the correct formula for finding $\frac{1}{4}$ of a number.

$$a = n \div 25$$

$$a = 0.25n$$

$$a = \frac{n}{25}$$

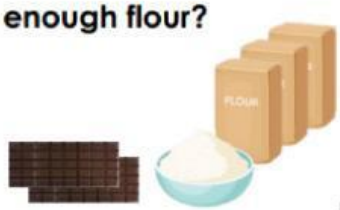
VF

2a. Here is a formula for the amount of flour (f) needed to bake brownies.

$$f = c \times 2$$

Hamish has 2 bars of chocolate (c) and 3 bags of flour.

Does Hamish have enough flour? Convince me.



R

2b. Here is a formula for the number of tulips (t) planted for every rose (r).

$$r = 3t$$

Maud plants 2 roses; she has planted 5 tulips.

Has she planted enough tulips? Convince me.

R

LIVEWORKSHEETS

4. The price for a design to be printed on a hooded jacket varies, depending on the number of colours used.

The formula below is used to calculate the cost of the printing service:

Price = 85p x number of colours + £1.75

What is the price for printing a design that includes 6 colours?

VF
HW/Ext

LIVEWORKSHEETS