

## Starter

1. Calculate:

a. 30% of £520

b. 15% of £480

c. 9% of £720

2. Simplify the expressions:

a.  $4r - 6 + 2y + 7 - 9y + 3r$

b.  $2p \times 5p - 3p^2$

3. The ratio of chocolates to Haribo in a box of sweets is stated as 7 : 5.

If there 77 chocolates in a medium box, how many Haribo are there?

4. A cuboid has dimensions of 40 cm by 70 cm by 14.5 cm.

Calculate the volume of the cuboid.

## Starter

1. Calculate  $\frac{4}{5}$  of £24,825.

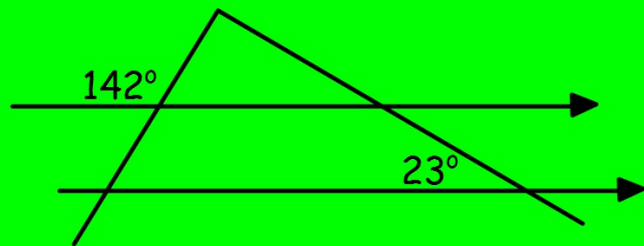
2. Solve:

a.  $4u - 5 = 19$

b.  $7h - 5 = 6h + 18$

c.  $5g + 12 = 3g + 13$

3. Complete the diagram opposite.



4. Evaluate the expression below where  $g = -5$ ,  $h = 3$  and  $i = -1$ :

$$(h - g)^2 - i^2$$

## Starter

1. Round the following to 2 decimal places:

a. 3.592

b. 37.027

c. 99.99999

2. Find a formula for the patterns below:

a.

Y	1	2	3	4
X	2	7	12	17

b.

M	5	6	7	8
N	51	61	71	81

3. Convert 3.12 cm into metres.

4. A rectangle with breadth of 18 cm has a perimeter of 98 cm.

a. Calculate the length of the rectangle.

b. Hence, calculate the area of the rectangle.

## Starter

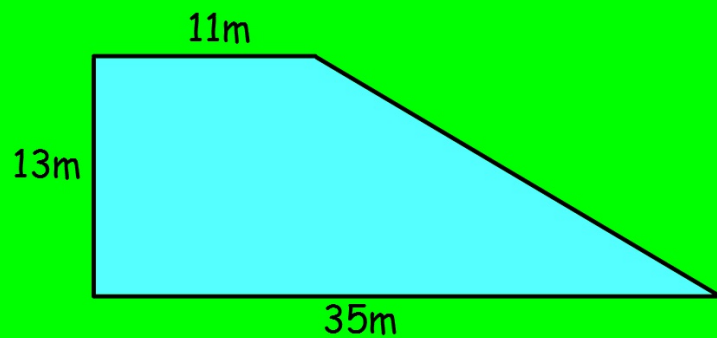
1. Simplify the following ratios:

a.  $5 : 15$

b.  $35 : 49$

c.  $64 : 88$

2. Calculate the area of the shape opposite:



3. Calculate 22.5% of £640.

4. Solve  $6 + 5g = 2g + 33$ .

