

## Starter

1. Calculate:

a. 10% of £710

b. 60% of £630

2. Solve the following:

a.  $8i - 12 = 7i + 18$

b.  $5d - 3 = 4d + 18$

3. Calculate:

a.  $5.62 \times 300$

b.  $12.92 \times 700$

4. Evaluate the following expressions where  $e = -2$ ,  $f = 5$  and  $g = 7$ :

a.  $fg - 2e$

b.  $(ef)^2 - 7e$

## Starter

1. Simplify the following expressions:

a.  $3k - 1 + 7y - 7 + 2y - 3k$

b.  $5r^2 + 2r - 3 + 7r - 4r^2 + 11$

2. Calculate:

a.  $5.29 \times 7 + 13.42$

b.  $164.38 - 23.18 \times 6$

3. Solve:

a.  $7q + 3 = 5q + 19$

b.  $9i + 12 = 5i + 48$

4. A cuboid has volume of  $300,000 \text{ cm}^3$ . If the length is 200 cm and breadth 300 cm, calculate the height.

## Starter

1. Calculate:

a. 30% of £530

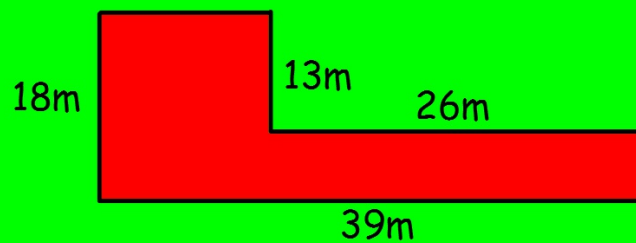
b. 15% of £840

2. Solve the following:

a.  $5z - 2 = 3z + 18$

b.  $7h + 8 = 4h + 32$

3. Calculate the area of the shape shown.



4. 324 people each donated £26 to a charity fund. How much in total will be raised?

## Starter

1. Round the following to 1 decimal place:

a. 6.387

b. 28.0827

c. 152.4903

2. Write the following as mixed numbers:

a.  $\frac{37}{4}$

b.  $\frac{26}{3}$

c.  $\frac{41}{5}$

3. Calculate:

a. 30% of £610

b. 15% of £720

c. 7.5% of £360

4. Solve:

a.  $9 + 4i = 2i + 23$

b.  $11 - 3e = 27 - 2e$

