

Starter

1. Calculate:

a. 60% of £870

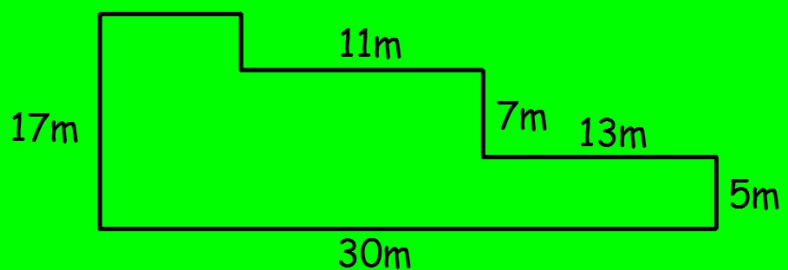
b. 22.5% of £360

2. Solve the following:

a. $6y - 1 = 5y + 18$

b. $8u - 15 = 4u + 21$

3. Calculate the area of the shape shown.



4. An athlete and agent, splits their earnings in the ratio of 7 : 2 respectively. Share the annual earnings of £572,886.

Starter

1. Simplify the following expressions:

a. $8u - 3 + 2u + 19$

b. $5r - 3e + 11 - 2e + 2r - 2$

2. Calculate:

a. $23.46 + 298.37 - 132.37$

b. $41.27 \times 5 - 78.72$

3. Find the lowest common multiple of:

a. 4 and 7

b. 6 and 10

c. 9 and 12

4. Evaluate the following $e = -3$, $f = 7$ and $g = -2$:

a. $f - eg$

b. $(f - e)^2 + g^3$

c. $(fg)^2 - e^3$

Starter

1. Round the following to 2 decimal places:

a. 7.826

b. 12.492

c. 99.99999

2. A cuboid has dimensions of 17cm by 12cm by 40cm. Calculate the volume of the cuboid in ml.

3. A tennis player won 21 matches and lost 14 matches.

a. Write this as a ratio in its simplest form.

b. The same ratio held for the next season. If he won 270 matches, how many did he lose?

4. A house was valued at £280,000. The value of the house increased by 22.5% after an extension was built. What was its new value?

