

Starter

1. Simplify the following expressions:

a. $3y + 6p - 5y + 4p$

b. $7 - 5r^2 + 3r - 2r^2 + 8r - 1$

2. Calculate:

a. 40% of £630

b. 12.5% of £480

3. Calculate the volume of a cuboid with dimensions 14cm by 5cm by 7cm.

4. Solve:

a. $6y - 1 = 29$

b. $17 = 7u - 4$

Starter

1. Round the following to 2 decimal places:

a. 3.293

b. 14.287

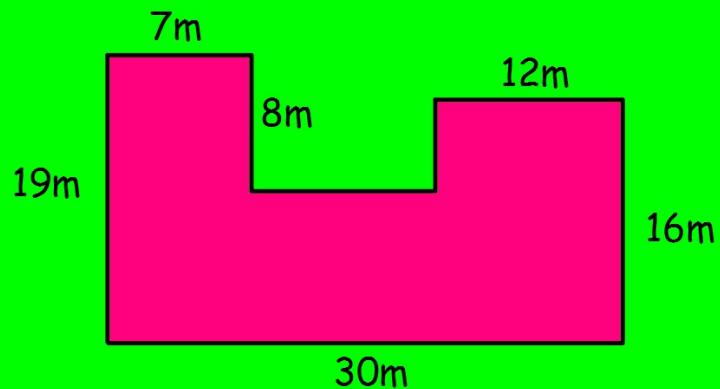
c. 305.287

2. Evaluate the following where $p = -2$, $q = 5$ and $r = 3$:

a. $qr - p$

b. $(q - p)^2 + r^3$

3. Calculate the area of the shape opposite.



Starter

1. Calculate:

a. $6 + 3 \times 8$

b. $4 \times 6^2 - 5 \times 7$

2. Paul wants to buy a new phone which currently costs £280. He is told by the advisor, that there will be a sale of '15% off' next month. If he buys it the following month, what will he pay for the phone?

3. Solve:

a. $9h - 5 = 49$

b. $17 - 4k = 21$

4. A rectangle has a perimeter of 24.86m with a breadth of 6.12m. Calculate the length.

Starter

1. Convert the following to metres:

a. 5km

b. 15.4km

c. 23cm

2. Calculate:

a. $6.236 + 12.5 \times 4$

b. $89.491 - 13.3 \times 4$

3. A cuboid has dimensions of 60cm by 20cm by 40cm.

a. Calculate the volume.

b. Convert this to litres.

4. Paul earns £25,000. He is to receive a pay rise of 5%, calculate his new wage.

