

Starter

1. Evaluate the following:

a. $7 - 3 \times 4$

b. $12 - 3 \times 1.96$

c. $4 \times 5 + (-3)^3$

2. Simplify the expressions:

a. $7x + 3y - 9 - 10x - 5y$

b. $(7y)^2$

3. Ben, Jen and Ken have 70 sweets between them. They decide to share them in the ratio 8 : 1 : 5, respectively.

How many sweets will each person receive?

4. Convert the following to kilometres:

a. 2670m

b. 120cm

c. 3600mm

Starter

1. Round the following to the nearest 100:

a. 641

b. 21,354

c. 56

2. The cost (C) to hire a bike for a certain number of hours (H) is represented in the table opposite.

H	1	2	3	4
C	8	13	18	23

a. Find a formula connecting C and H .

b. Calculate the cost if the bike is hired for 12 hours.

3. Convert $\frac{43}{12}$ to a mixed number.

4. A cuboid has a volume of 4.8 litres, a length of 60cm and a breadth of 20cm. Calculate the height of the cuboid.

Starter

1. Round the following to 1 decimal place:

a. 2.487

b. 54.2986

c. 103.9999

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

a. $pr - q$

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

c. $(pr)^2 - q^3$

3. Share £56,395 in the ratio of 3 : 2.

4. Solve the following equations:

a. $4r - 3 = 37$

b. $17 = 3e + 2$

c. $8u - 12 = 5u + 15$

Starter

1. Calculate 30% of £21,830.

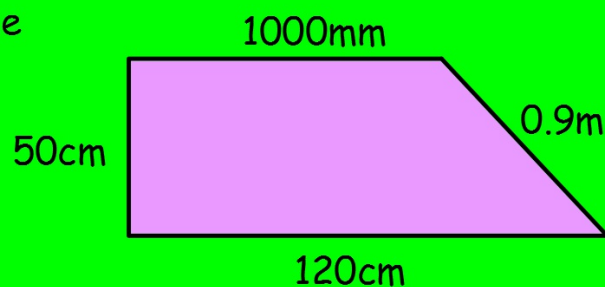
2. Solve:

a. $5x + 2 = 22$

b. $6p + 3 = 4p + 17$

c. $8f - 1 = 4f + 1$

3. Calculate the perimeter of the diagram opposite in metres.



4. Four friends get lucky in the lottery and bag a prize of £264,640. Brian gets twice as much as Louise and half as much as Jen. Karen gets the same amount as Louise. How much do they each receive?

