

Starter

1. Find the h.c.f. of

a. 8, 16 and 32

b. 18, 54 and 72

2. Convert the following to cm

a. 84 mm

b. 1.95 m

c. 0.03 km

3. Multiply out the brackets and simplify

a. $10 + 2(3x + 2)$

b. $3(x + 1) - 2(x - 5)$

4. To supervise a crowd of spectators at a sporting event, the stadium has a ratio of 10 stewards for every 300 spectators.

a. how many spectators are present if there are 8 stewards?

b. how many stewards are needed for a crowd of 540?

Starter

1. Find the l.c.m. of

a. 2, 4 and 5

b. 3, 8 and 9

2. Convert the following to m

a. 905 mm

b. 8920 cm

c. 22.6 km

3. Louise, Jane and Hazel agree to share childcare in the ratio of 2:5:3 days. If there are 250 days to cover each year, for how many days will Hazel have to watch the children?

4. Solve

a. $6x - 3 = 2x + 1$

b. $10p + 7 = 3p - 2$

Starter

1. Express as a product of prime factors

a. 42

b. 140

c. 108

2. Round to 2 s.f.

a. 18970

b. 0.6851

c. 0.001995

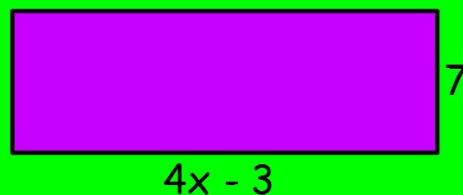
3. Find the median of the following list of numbers

124, 135, 156, 139, 129, 131, 142, 151, 149

4. Find an expression for the

(i) perimeter

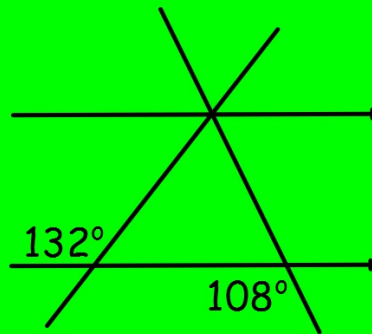
(ii) area of this shape



Starter

1. Find the l.c.m. of a. 7 and 11 b. 4, 6, and 8

2. Fill in the missing angles



3. Multiply out the brackets and simplify

a. $4(x + 1) - 3(x + 2)$

b. $8 + 2(2x + 3) - 12$

4. When 600 paper clips are weighted, their total weight is 150 g.
What is the weight of 1 paper clip?

Starter

1. Find the h.c.f. of a. 12 and 20 b. 8, 12, and 16
2. Find a. 35% of £940 b. $\frac{3}{7}$ of 196
3. A pack of three sirloin steaks weighs 2.1 kg.
One steak weighs 0.775 kg, another weighs 0.768 kg.
The third steak is a small one. What does it weigh?
4. Multiply out the brackets and simplify
a. $5(3x - 1) + 12$ b. $10 - (x + 2) - 2(3x - 4)$