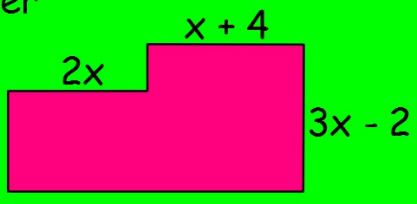
Starter

1. Convert the following measurements to m
   a. 190 cm b. 85000 mm c. 0.9 km

2. Multiply out the brackets and simplify
   a. $4 - 2(3x + 6) + 2x$ b. $10g(g - 1) - 2(g^2 - 8)$

3. If one bag of shopping weighs $2^2/_5$ kg and another weighs $1^1/_3$ kg, what is the total weight of the shopping?

4. (i) Find an expression for the perimeter of this shape:
   (ii) If the perimeter is 52 cm, calculate x.



Starter

1. Convert the following measurements to cm
   a. 1.55 m b. 4050 mm c. 2.608 km

2. Solve the following
   a. $2(3x + 5) = 22$ b. $4(x - 3) = 2(3x + 1)$

3. Sarah borrows x books from the library and Eve borrows twice as many. If they have 15 books in total, how many did Eve borrow?

4. A 2.5 kg block of cheese had $1\frac{2}{7}$ kg cut off.
   How much cheese was left?

Starter

1. A plumber earns £3500 in one month but has to pay 25% of this in tax to the Government. How much money is she left with?

2. Calculate
   a. $2\frac{1}{7} \times 4\frac{2}{3}$ b. $4\frac{2}{3} \div 3\frac{1}{9}$

3. If 5 miles = 8 km,
   a. how many km is equivalent to 35 miles?
   b. how many miles is equivalent to 120 km?

4. Jack has x sweets, Colin has the same amount,
   and Alan has 12 sweets. If they have 36 sweets altogether, how many does Colin have?

Starter

1. Find the volume of a cuboid measuring 60 cm by 40 cm by 8 cm (in L).

2. Solve the following

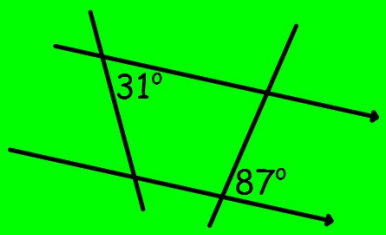
   a. $8(x - 5) = 3(2x + 1)$ b. $11 - 2(y + 3) - 3(y - 6) = 1$

3. A meal for four costs £120 plus 17.5% VAT.
   What is the total cost of the meal?

4. Steve runs 1.75 miles on Monday, $2\frac{1}{3}$ miles on Wednesday, and 3.8 miles on Friday.
   a. How far has he run this week?
   b. How far short of his 10 mile target is he?

Starter

1. Fill in the missing angles



2. Bobby uses pieces of wallpaper that are 530 mm wide.
   How many pieces will he need to cover a wall which is 3.2 m wide?

3. Solve the following
   a. $5(x - 4) = 10 - 2(x + 1)$ b. $6x(x + 2) = 3(2x^2 + 8)$

4. Find the area
   of this triangle: