Starter

1. Find the following:

   a. -7 + 9 - (-8) b. 75% of £2256 c. 3.91 x 500

2. Calculate the area of a triangle with base of 18m and height of 21.46m.

3. Simplify the following expressions:

   a. 8j - 7 + 2w - 5w + 4 - j b. 17 - 3q + 9y - 8 + 5q - 6y

4. Solve the following:

   a. 5g + 4 = 3g + 22 b. 13 - 5p = 29 - 7p

Starter

1. Simplify the following fractions:

   a. $^{6}/_{9}$ b. $^{35}/_{65}$ c. $^{28}/_{49}$

2. Simplify the following expressions:

   a. $6p + 2p^2 - 3p + 4p^2$ b. $7 - 4u + 3k + 2u - 5k - 2$

3. Solve the following equations:

   a. $7p - 2 = 3p + 6$ b. $9i + 6 = 7i - 12$

4. Calculate the volume of a cuboid with side lengths 4.25cm by 20cm by 400cm.

Starter

1. Change the following measurements into km:

   a. 4000m b. 390m c. 1200cm

2. A cuboid has dimensions of 4cm by 18cm by 30cm. Calculate the volume of the cuboid in ml.

3. A tennis player won 24 matches and lost 36 matches.

   a. Write this as a ratio in its simplest form.
   b. The same ratio held for the next season. If he won 80 matches, how many did he lose?

4. A house was valued at £320,000. The value of the house increased by 12.5% after an extension was built. What was it's new value?

Starter

1. Evaluate the following:

   a. $25 - 3 \times 9$ b. $7 - (-3) + (-12)$ c. 3.6×300

2. Solve the following:

   a. $3d + 8 = 2d + 20$ b. $8p - 3 = 3p + 12$

3. Share £64,000 in the ratio of 7 : 1

4. Evaluate the following when $e = 5$, $f = 2$ and $g = 4$:

   a. $f - eg$ b. $ef^2 - (ef)^2$ c. $(f - e)^2 - g^2$