Starter

1. Convert the following to centimetres:

   a. 5m b. 23m c. 14.1km

2. Solve:

   a. $4r - 1 = 19$ b. $16 + 5t = 31$ c. $30 = 7u + 2$

3. Calculate the volume of a cube with side length of 12cm.

4. Calculate:

   a. $17.43 + 25.68 \times 5$ b. $106.8 - 9 \times 8.319$

Starter

1. Simplify the following expressions:

   a. $4u + 8j - 2 + 3u - 5j + 7$

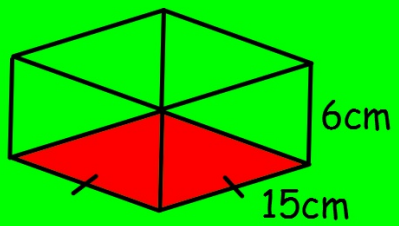
   b. $3p \times 5p$

2. Calculate:

   a. 40% of £620

   b. 12.5% of £480

3. Calculate the volume of the square based cuboid shown



4. Evaluate the following where $i = 7$, $p = -5$ and $q = 3$:

   a. $iq - p$

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

   c. $i^3 - p^2$

Starter

1. Round the following to 1 decimal place:

   a. 7.42 b. 13.6891 c. 103.5555

2. Calculate the volume of a cuboid with dimensions 8cm by 15cm by 30cm, expressing your answer in litres.

3. A rectangle is shown.

   a. Calculate the perimeter.
   b. Convert this length into millimetres.

4. A laptop was priced at £450. In the upcoming 'weekend sale' it will have 22.5% off. If it was bought at the weekend, how much would you save rather than buying it at full price?

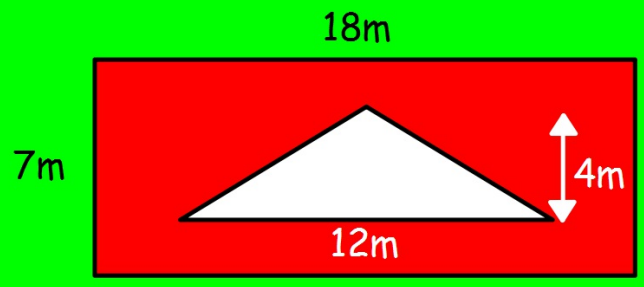
Starter

1. Calculate

   a. 25% of £276

   b. 70% of £510

2. Calculate the area of the red section.



3. Calculate:

   a. $31.64 \times 3 + 12.81$

   b. $340 - 38.25 \times 8$

4. Solve $98 = 17 - 9i$