

Starter

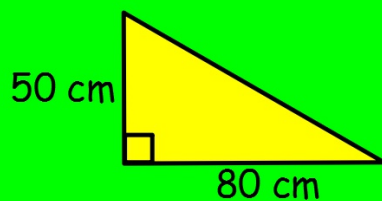
1. Find

a. 5% of £520

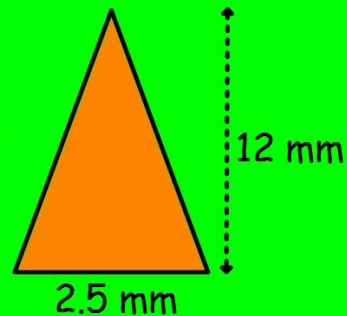
b. $\frac{5}{6} \times 4\frac{3}{4}$

2. Find the area of these triangles

a.



b.



3. Solve

a. $5(2x - 3) = 7(x - 1) + 1$

b. $8(2x - 1) - 2(7x - 5) = 10$

4. To make a fizzy drink, 125 mL of colouring is added to every 2 L of fizzy water.

How many litres of colouring is needed to mix with 500 L of water?

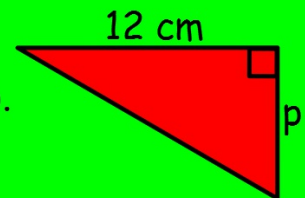
Starter

1. Find

a. $2^3/7 - 1/3$

b. 11% of £7845

2. Given that the area of this triangle is 36 cm^2 , find p .

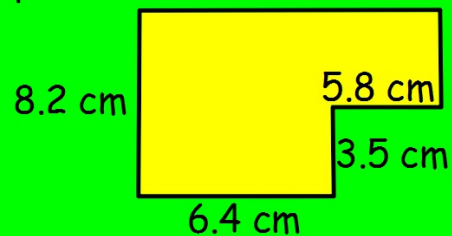


3. Solve

a. $12(2x - 1) = 3(6x - 3)$

b. $2x - 7(3 - 2x) = 11$

4. Find the perimeter of this shape



Starter

1. Find

a. 35% of £650

b. $\frac{7}{9}$ of \$9216

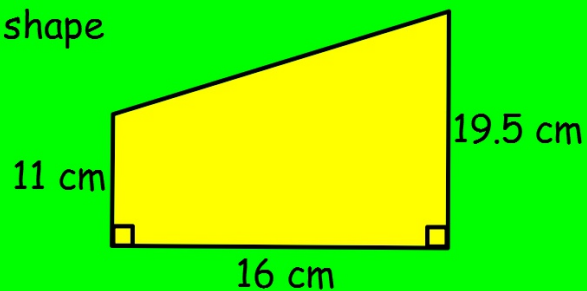
2. Calculate the volume of a cuboid which has a length = $1\frac{3}{4}$ m, breadth = $2\frac{2}{3}$ m, and height = $\frac{7}{8}$ m.

3. Solve

a. $5(3 - x) = 3(5 - x)$

b. $6(9x - 4) - 3(7x - 8) = 0$

4. Find the area of this shape



Starter

1. Of the 21000 seats in a stadium, 45% are reserved for season ticket holders. How many seats are for non-season ticket holders?
2. Calculate the length of a cuboid which has a volume = $4\frac{1}{5} \text{ cm}^3$, a height = $2\frac{1}{3} \text{ cm}$, and a breadth = $1\frac{1}{5} \text{ cm}$.
3. Solve
 - a. $4(2x + 5) = 8 - 3(x + 7)$
 - b. $5x^2 - 3x(x - 3) - 2(x^2 + 8) = 0$
4. A rectangular piece of glass measures 92 cm by 66 cm. Calculate the area of the sheet of glass in m^2 .

Starter

1. An internet-based company currently sell 134,000 units per month. After an advertising campaign, they expect a 3% increase in sales. How many items per month will they be expecting to sell?
2. Solve
 - a. $4(x + 5) - 3(x - 3) = 34$
 - b. $15x = 3(x - 1) - 4(1 - x)$
3. Find $3\frac{3}{4} - 2\frac{1}{3} \times 1\frac{1}{2}$
4. A group of people were asked to estimate a minute. These are the results:
58, 45, 44, 67, 46, 67, 59, 76
71, 49, 50, 41, 38, 49, 62, 75
 - (i) Show this data on an ordered stem and leaf diagram.
 - (ii) Find the median time.