

Starter

1. Express the following as both a fraction and a decimal

a. 61%

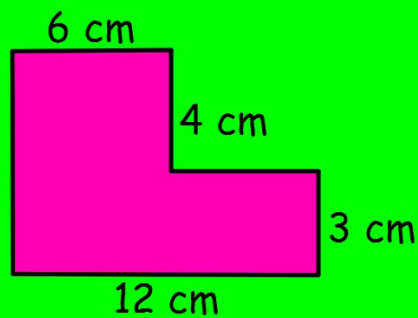
b. 35%

c. 8%

2. Find both the

i. perimeter

ii. area of this shape

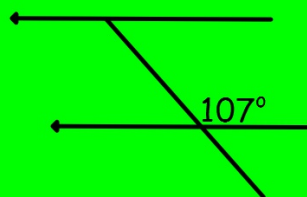


3. Multiply out the brackets and simplify

a. $3(x + 5) - 4(2x + 7)$

b. $10 + 2x(3x - 5)$

4. Fill in the missing angles



Starter

1. Express the following as both a fraction and a decimal

a. 58%

b. 4%

c. 12.5%

2. Multiply out the brackets and simplify

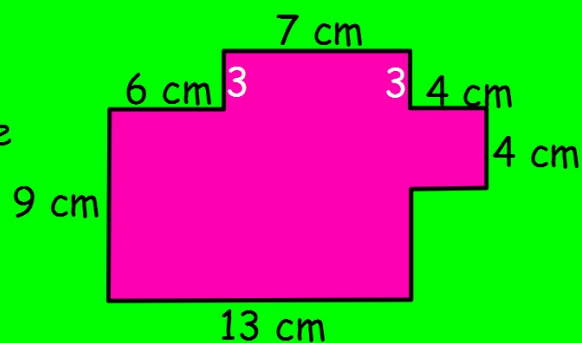
a. $8(3x + 5) - 2(x - 4)$

b. $3g - 4(g + 8) - (2g - 1)$

3. Find both the

i. perimeter

ii. area of this shape



4. Solve the following

a. $5x - 18 = x + 32$

b. $4x - 7 = 10 + 2x$

Starter

1. Express the following as both a percentage and a decimal

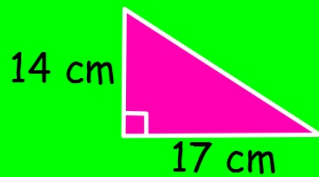
a. $\frac{7}{20}$

b. $\frac{24}{25}$

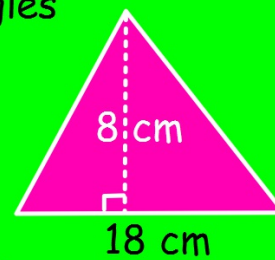
c. $\frac{3}{5}$

2. Find the area of each of these triangles

a.



b.



3. Multiply out the brackets and simplify

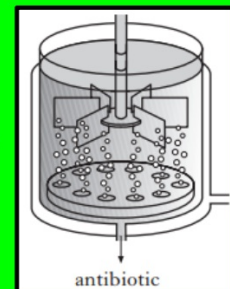
a. $11(a + 3b) + 2(3a - 4b)$

b. $3x(2x + 4) - x(6x - 10)$

4. The volume of this fermenter is 700 L.

It produces 5 g of antibiotic per litre every day.

What is the total number of grams of antibiotic produced in one week?



Starter

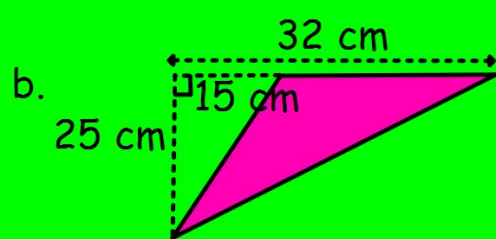
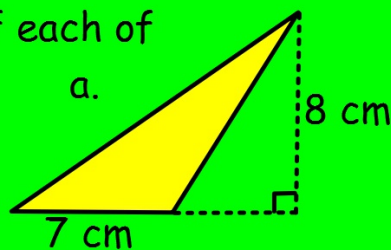
1. Express the following as both a percentage and a decimal

a. $\frac{9}{10}$

b. $\frac{3}{50}$

c. $\frac{1}{8}$

2. Find the area of each of these triangles



3. i. Multiply out the brackets and simplify

ii. Factorise your answer

a. $2(m + 3) + 5(m - 11)$

b. $4(y + 1) - 2(y + 8)$

4. A builder would normally take 7 days to build a garage.

He's paid £30 a day. His employers want the job done in 5 days

and offer a bonus of £50 if the builder completes the job on time.

Which option is best for the builder?

Starter

- Express the following as both a fraction and a percentage
 - 0.27
 - 0.52
 - 0.01
- Rachel works as a waitress and earns £4.76 per hour. One evening, she worked for four and a half hours and was given tips totalling £17.32. Calculate how much money she earned that evening.
- Multiply out the brackets and simplify
 - Factorise your answer
 - $6(x - 6) + 2(x + 14)$
 - $7(y + 2) - 3(y - 6)$
- Find an expression for the area of this shape

