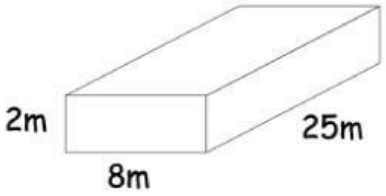
CONSOLIDATE PRACTICE SHEET

Maisie is going to fill an empty swimming pool. She fills it with water at a constant rate of 2500 litres per minute.

$1m^3 = 1000$ litres

How long will it take to fill the pool?



Expand and simplify

$x(8x + 3) - 2x(x - 5)$

Solve the simultaneous equations

$y + 1 = 2x$
$y = x + 2$

Expand $4y^2 (5y^2 - 2a)$

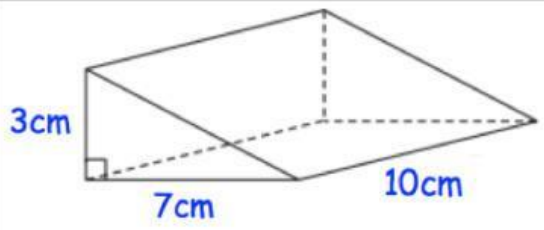
LIVEWORKSHEETS

Ace complete a journey in three stages. In stage 1 of his journey, he drives at an average speed of 30km/h for 45 minutes. How far does Ace travel in stage 1 of his journey?	
In stage 2 of his journey, Ace drives at an average speed of 50km/h for 2 hours 48 minutes. Altogether, over all three stages, Ace drives 200 km in 4 hours.	What is his average speed, in km/h, in stage 3 of his journey?

Solve

$$\frac{8x-1}{2} = 3x + 11$$

Decrease 5400 by 12%



Find the volume of the triangular prism.

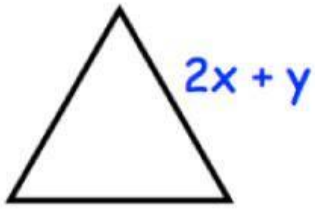
LIVEWORKSHEETS

Scott has 8 metres of string.
He says, "I need 9 pieces each 0.89 metres long."

Will Scott have enough string?

The height of a sunflower increases by 60% each year.
When planted the sunflower was 40cm tall.

Calculate how tall the sunflower will be in 5 years time.



Shown above is an equilateral triangle with side length 2x + y.

Find an expression for the perimeter of the triangle.

66% $\frac{13}{20}$ 0.606 $\frac{1}{2}$ $\frac{3}{5}$

Arrange in order of size.
Start with the largest.

LIVEWORKSHEETS