



Ellie wants to decrease 860 by 23%.

She types  $860 \times 0.23$  into her calculator.

Explain why Ellie is wrong.

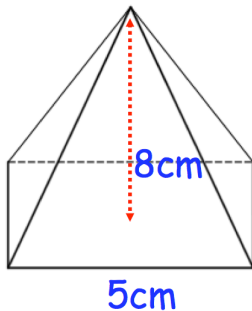
Factorise  $x^2 - 11x + 30$

Factorise  $x^2 - 2x - 63$

Solve the simultaneous equations

$$5x - 2y = 24$$

$$4x + 3y = 10$$



A square based pyramid has a base of side length 5cm.

The height of the pyramid is 8cm.

Find the volume of the pyramid.

Write down the exact value of  $\sin 30^\circ$

Write down the exact value of  $\cos 30^\circ$