



Factorise

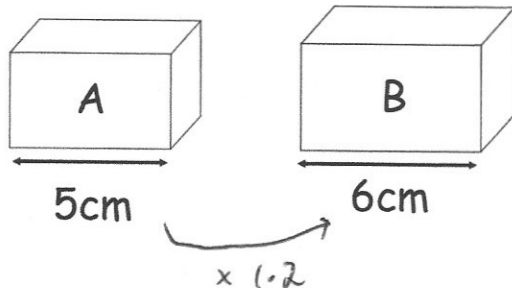
$$3x^2 - 13x + 4$$

$$(3x-1)(x-4)$$

Work out

$$25^{\frac{1}{2}} \div 3^{-2}$$

$$5 \div \frac{1}{9} = 45$$



Cuboids A and B are similar.

The volume of cuboid B is  $43.2\text{cm}^3$ 

Work out the volume of cuboid A.

$$43.2 \div 1.2^3 = 25$$

Eva is  $y$  years old.

Her sister Lily is four years older than Eva.

The product of their ages is 780.

Set up an equation to represent this information and solve to find Eva's age.

$$y(y+4) = 780$$

$$y^2 + 4y = 780$$

$$y^2 + 4y - 780 = 0$$

$$(y+30)(y-26) = 0$$

~~$y = 30$~~   
or  
 $y = 26$  ✓

Find the length of side AC.

$$\frac{7}{\sin 65} = \frac{AC}{\sin 58}$$

$$AC = 6.55 \text{ cm}$$

