

21st May



Corbettmaths

Expand

$$(x + 2)(x + 3)(x + 6)$$

$$x^3 + 11x^2 + 36x + 36$$

Simplify  $(\sqrt{10})^4$ 

$$\frac{\sqrt{10} \times \sqrt{10}}{10} \times \frac{\sqrt{10} \times \sqrt{10}}{10}$$

$$100$$

Simplify  $2\sqrt{3} \times 3\sqrt{5}$ 

$$6\sqrt{15}$$

Estimate  $50^{\frac{3}{2}}$ 

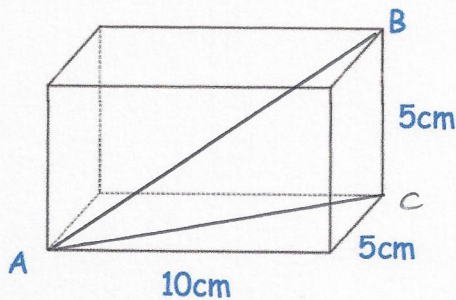
$$\approx 350$$

$$\sqrt{49} = 7$$

$$\sqrt{50} \approx 7.1$$

$$7 \times 7 \times 7 = 343$$

$$7.1 \times 7.1 \times 7.1 \approx 350$$



Work out the distance AB.

$$AC^2 = 5^2 + 10^2$$

$$AC^2 = 125$$

$$AC = 11.18$$

$$AB^2 = 11.18^2 + 5^2$$

$$AB^2 \approx 150 \quad AB = 12.247 \text{ cm}$$

Factorise  $6w^2 - 7w - 10$ 

$$(w - 2)(6w + 5)$$