

Triangle ABC is drawn on the grid.

Enlarge triangle ABC with scale factor $\frac{1}{2}$ and centre (0,0)

Philip runs at an average speed of 4 m/s.
How long will it take Philip to complete a 5 kilometre race?

Give your answer in minutes and seconds.

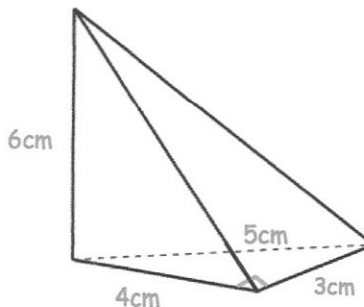


$$5000 \div 4 = 1250 \text{ seconds}$$

$$20 \text{ mins } 50 \text{ sec}$$

A triangular-based pyramid is shown.
Calculate the volume of the pyramid.

$$\frac{1}{3} \times \left(\frac{1}{2} \times 3 \times 4 \right) \times 6 = 12 \text{ cm}^3$$



Write down the exact value of $\tan 45^\circ$

$$1$$

Write down the exact value of $\tan 60^\circ$

$$\sqrt{3}$$