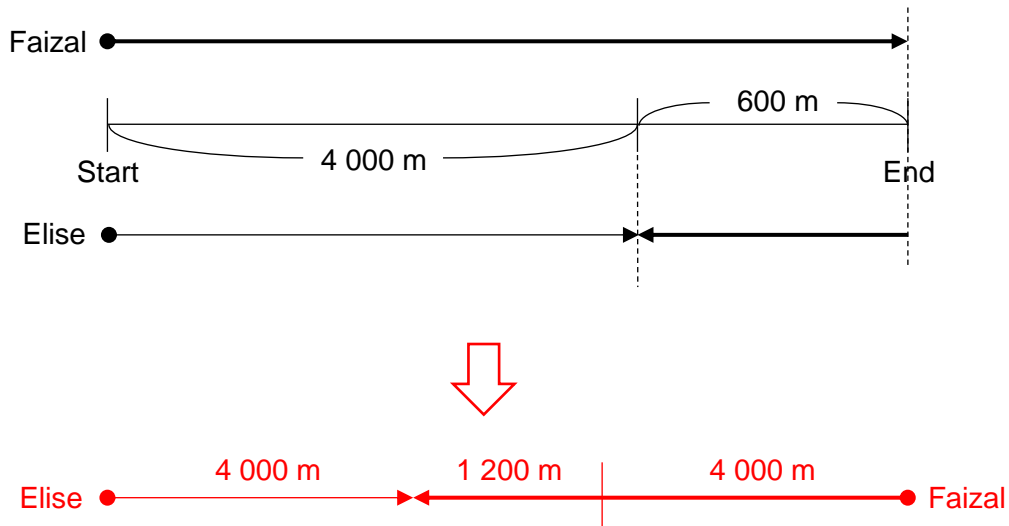


A Maths Question, PSLE 2023

Faizal and Elise started jogging from the same spot at the same time. Faizal's speed was 30 m/min faster than that of Elise's. Both of them did not change their speed throughout the jog. Faizal jogged all the way to the end of the track and immediately made a U-turn. They passed each other at the 4000-m mark of the track. What was Elise's speed?

<< Travellers' Maths >>

<Diagram>



<Writing>

$$600 \times 2 = 1\,200 \text{ (m)}$$

← Faizal jogged 1200 m more than Elise in the same duration time.

Since Faizal jogged 30 m more than Elise per min,

$$1\,200 \div 30 = 40 \text{ (min)}$$

→ it took 40 min to meet up from their start. Therefore,

$$4\,000 \div 40 = 100 \text{ (m/min)}$$

→ Elise's speed

Answer 100 m/min