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Calculating Speed **Answers**

1.
$$\frac{1700m}{179s}$$
 = **9.50m/s**

2.
$$\frac{402m}{22s}$$
 = **18.27m/s**

4. 1 hour = 60 × 60 = 3600s, so 4.5 hours = 4.5 × 3600 = 16 200s

150m 16 200s = **0.01m/s**

5. 30 minutes = 0.5hours

16 miles 0.5 hours = **32.00mph**

Calculating Speed

Answer the questions below. Show your working out and remember to include units. Give each answer to **two** decimal places.

1. A man rides his bicycle to work each day. He lives 1700 metres from work, and it takes him 179 seconds. Calculate his average speed.

2. A horse takes 22 seconds to win a 2 furlong (402m) race. Calculate the average speed of the winning horse.

3. An aeroplane travels 2541 miles from the UK to Tenerife. The trip takes 4.5 hours. Calculate the average speed of the plane.

4. A snail travels 150m across a park. This takes the snail 4.5 hours. Calculate the average speed of the snail.

5. A tour boat travels 16 miles around an island. The trip takes 30 minutes. Calculate the average speed of the boat.