Speed, Distance and Time

GCSE Maths · Foundation tier · Grades 3–5 · About 25 minutes · 8 questions

Name _____ Date _____ Score / 8

WHAT YOU WILL PRACTISE

- Calculate speed, distance or time from the other two
- Convert times in minutes into hours before calculating
- Find the average speed for a journey in two parts

WORKED EXAMPLE

A van travels 135 km in 2 hours 15 minutes. Find its average speed.

1. Change the time into hours: 15 minutes is 0.25 hours, so the time is 2.25 hours.
2. Use speed = distance ÷ time: 135 ÷ 2.25.
3. Calculate: 60.

Answer: 60 km/h

Questions

Show your working in the space under each question.

1. A car travels 150 km in 3 hours. Find its average speed.

2. A cyclist rides at 18 km/h for 2.5 hours. How far does the cyclist travel?

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3. A train travels 240 km at an average speed of 80 km/h. How long does the journey take?

4. A runner covers 400 m in 50 seconds. Find the runner’s average speed in m/s.

5. A bus travels 90 km in 1 hour 30 minutes. Find its average speed.

6. A plane flies at 600 km/h for 45 minutes. How far does it fly?

7. Convert 72 km/h to m/s.

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8. A car travels 60 km at 40 km/h and then another 60 km at 60 km/h. Find the average speed for the whole journey.

Answers: Speed, Distance and Time

Mark your own work, then go back to any question you got wrong before reading the tutor tip.

Q	QUESTION	ANSWER
1	A car travels 150 km in 3 hours. Find its average speed.	**50 km/h**
2	A cyclist rides at 18 km/h for 2.5 hours. How far does the cyclist travel?	**45 km**
3	A train travels 240 km at an average speed of 80 km/h. How long does the journey take?	**3 hours**
4	A runner covers 400 m in 50 seconds. Find the runner's average speed in m/s.	**8 m/s**
5	A bus travels 90 km in 1 hour 30 minutes. Find its average speed.	**60 km/h**
6	A plane flies at 600 km/h for 45 minutes. How far does it fly?	**450 km**
7	Convert 72 km/h to m/s.	**20 m/s**
8	A car travels 60 km at 40 km/h and then another 60 km at 60 km/h. Find the average speed for the whole journey.	**48 km/h**

TUTOR TIP

Change minutes into hours as a decimal before you divide. 15 minutes is 0.25 hours, not 0.15.

Stuck on a question? Work through it live with a tutor.

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