Extra Challenge

I can use simple formulae to answer algebraic word problems.

speed per hour = distance ÷ time in hours

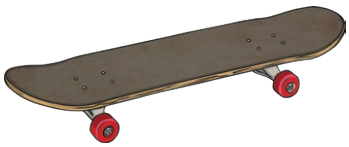
time in hours = distance ÷ speed per hour

distance = speed per hour × time in hours

Use these formulas to calculate the answers to these problems:

Kasia drives her car 120km in 1.5 hours. What is her average speed in km per hour?

Oliver skateboards with a constant speed of 16 miles per hour. How long will he take to travel 32 miles?

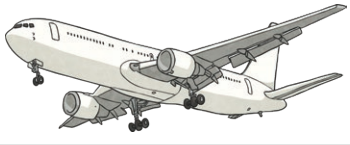


Bana rides her bike with a constant speed of 14 miles per hour. How long will she take to travel 42 miles?

A helicopter flies with a constant speed of 108km/h. How far can it travel in 1 hour 30 minutes?

Adnan rides his scooter with a constant speed of 12km/h. How far can he travel in 2 hours 45 minutes?

An aeroplane flies 1250km in 1 hour 15 minutes. What is its average speed in km per hour?



Extra Challenge **Answers**

Kasia drives her car 120km in 1.5 hours. What is her average speed in km per hour? ***distance ÷ time = speed*** ***120km ÷ 1.5 hours = 80km/h***	Oliver skateboards with a constant speed of 16 miles per hour. How long will he take to travel 32 miles? ***distance ÷ speed = time*** ***32 miles ÷ 16mph = 2 hours***
Bana rides her bike with a constant speed of 14 miles per hour. How long will she take to travel 42 miles? ***distance ÷ speed = time*** ***42 miles ÷ 14mph = 3 hours***	A helicopter flies with a constant speed of 108km/h. How far can it travel in 1 hour 30 minutes? ***speed × time = distance*** ***108km/h × 1.5 hours = 162km***
Adnan rides his scooter with a constant speed of 12km/h. How far can he travel in 2 hours 45 minutes? ***speed × time = distance*** ***12km/h × 2.75 hours = 33km***	An aeroplane flies 1250km in 1 hour 15 minutes. What is its average speed in km per hour? ***distance ÷ time = speed*** ***1250km ÷ 1.25 hours = 1000km/h***