

Mathematical Problem Solving

GCSE example

Solution to example 24

A motorway sign says

To Junction 14
42 miles
38 minutes

Chetna is driving at 70 miles per hour. If she can maintain that speed, will she reach the junction in the time given on the sign?

$$\text{Time} = \frac{42}{70} = 0.6 \text{ hours}$$

$$0.6 \times 60 = 36 \text{ minutes}$$

Chetna will reach the junction 2 minutes earlier than the suggested time.