Speed = Distance/Time

MATHS·SCHOOL

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Name:

Calculate the speed of a vehicle if:

Clearly state the units of your answers

a) It travels 40 metres in 5 seconds

8m/s

d) It travels 90 metres in 15 seconds

6m/s

b) It travels 32km in 4 hours

8km/h

e) It travels 5 km in 30 minutes

10km/h

c) It travels 81 miles in 9 hours

9mph

f) It travels 3 km in 45 minutes

4km/h

Calculate the distance travelled if a vehicle:

g) Travels at 40 mph for 8 hours

320 miles

j) Travels at 20 m/s for 4.5 hours

90m

h) Travels at 30 km/h for 6 hours

180km

k) Travels at 45 km/h for 20 minutes

15km

i) Travels at 9 m/s for 13 seconds

117m

l) Travels at 28 mph for 2 hours 45 minutes

77 miles

Calculate the time a vehicle takes to travel:

m) 48 kilometres, going at 6 km/h

8 hours

p) 500 metres, going at 2 km/h

15 minutes

n) 100 kilometres, going at 40 km/h

2.5 hours

q) 76 metres, going at 4 m/s

19 seconds

o) 360 metres, going at 15 m/s

24 seconds

r) 1.6 kilometres, going at 4 km/h

24 minutes

Exam question:

A cruise ship travels at a speed 19 knots which is approximately 35 km/hour.
Using the approximation given, calculate the time the cruise ship will take
to travel from Southampton to New York which is 5500 km in distance?
Give your answer to the nearest hour.

157 hours