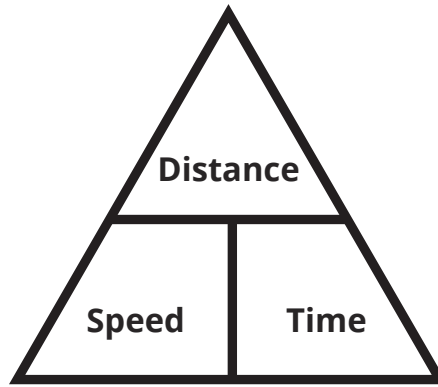# Speed, Distance and Time Worksheet 1

Section 1

Calculate the distance travelled in each journey:

a. 3 hours at 40mph

Distance = _____

Distance = _____ miles

b. 55km/h for 3.5 hours

Distance = _____

Distance = _____ km

c. 4 seconds at 3m/s

Distance = _____

Distance = _____ m

d. 5.25 hours at 50km/h

Distance = _____

Distance = _____ km

e. 30mph for 20 minutes

Distance = _____

Distance = _____ miles

Section 2

Calculate the average speed of each journey:

a. 150 miles in 5 hours

Speed = _____

Speed = _____ mph

b. 120 km in 3 hours

Speed = _____

Speed = _____ km/h

c. 20m in 4 seconds

Speed = _____

Speed = _____ m/s

d. 87.5 miles in 3.5 hours

Speed = _____

Speed = _____ mph

e. 9km in 45 minutes

Speed = _____

Speed = _____ km/h

Section 3

Calculate the time taken for each journey:

a. 150 miles at 50mph

Time = _____

Time = _____ hours

b. 75km at 50km/h

Time = _____

Time = _____ hours

c. 25m at 2m/s

Time = _____

Time = _____ seconds

d. 5 miles at 50mph

Time = _____

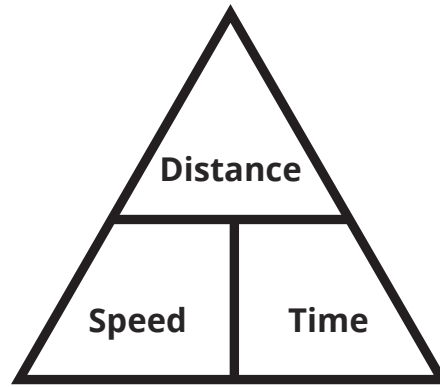Time = _____ minutes

e. 1.5km at 2m/s

Time = _____

Time = _____ minutes

Section 4

Complete the missing information in the table. Include units of measure in your answers.

Speed	Distance	Time
70mph		2 hours
	55km	11 hours
200km/h		45 minutes
0.5m/s	350cm	
	357.5 miles	5 hours 30 minutes
12mph		2 hours 15 minutes

BEYOND MATHS

Speed, Distance and Time Worksheet 1 **Answers**

Section 1

Calculate the distance travelled in each journey:

a. 3 hours at 40mph

Distance = **3 × 40**

Distance = **120** miles

b. 55km/h for 3.5 hours

Distance = **55 × 3.5**

Distance = **192.5** km

c. 4 seconds at 3m/s

Distance = **4 × 3**

Distance = **12** m

d. 5.25 hours at 50km/h

Distance = **5.25 × 50**

Distance = **262.5** km

e. 30mph for 20 minutes

Distance = $\mathbf{30 \times \frac{20}{60}}$

Distance = **10** miles

Section 2

Calculate the average speed of each journey:

a. 150 miles in 5 hours

Speed = $\mathbf{\frac{150}{5}}$

Speed = **30** mph

b. 120 km in 3 hours

Speed = $\mathbf{\frac{120}{3}}$

Speed = **40** km/h

c. 20m in 4 seconds

Speed = $\mathbf{\frac{20}{4}}$

Speed = **5** m/s

d. 87.5 miles in 3.5 hours

Speed = $\mathbf{\frac{87.5}{3.5}}$

Speed = **25** mph

e. 9km in 45 minutes

Speed = $\mathbf{9 \div \frac{45}{60}}$

Speed = **12** km/h

Section 3

Calculate the time taken for each journey:

a. 150 miles at 50mph

Time = $\frac{150}{50}$

Time = **3** hours

b. 75km at 50km/h

Time = $\frac{75}{50}$

Time = **1.5** hours

c. 25m at 2m/s

Time = $\frac{25}{2}$

Time = **12.5** seconds

d. 5 miles at 50mph

Time = $\frac{5}{50}$ × **60**

Time = **6** minutes

e. 1.5km at 2m/s

Time = $\frac{1500}{2}$ ÷ **60**

Time = **12.5** minutes

Section 4

Complete the missing information in the table. Include units of measure in your answers.

Speed	Distance	Time
70mph	**70 × 2 = 140 miles**	2 hours
$\frac{55}{11}$ = **5km/h**	55km	11 hours
200km/h	**200 × $\frac{45}{60}$ = 150km**	45 minutes
0.5m/s	350cm	$\frac{3.5}{0.5}$ = **7 seconds**
$\frac{357.5}{5.5}$ = **65mph**	357.5 miles	5 hours 30 minutes
12mph	**12 × 2.25 = 27 miles**	2 hours 15 minutes