

Speed Distance Time 299

Warm up

Question 1

- | | | | |
|----------------|---------|--------------|----------------|
| (a) 0.25 | (b) 0.5 | (c) 0.75 | (d) 0.33333... |
| (e) 0.6666... | (f) 2.5 | (g) 1.25 | (h) 3.75 |
| (i) 2.6666.... | (j) 5.5 | (k) 7.333... | (l) 4.25 |

Question 2

- | | | | |
|----------|----------|----------|----------|
| (a) 0.3 | (b) 0.9 | (c) 1.05 | (d) 1.6 |
| (e) 1.8 | (f) 2.55 | (g) 8.85 | (h) 3.35 |
| (i) 0.45 | | | |

Question 3

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|-----------|-----------|-----------|-----------|
| (a) 0.733 | (b) 0.133 | (c) 1.833 | (d) 2.167 |
| (e) 4.433 | (f) 3.483 | (g) 5.033 | (h) 2.917 |
| (i) 0.983 | | | |

Question 4

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|------------------|------------------|-----------------|-----------------|
| (a) 45 min | (b) 1 hr 15 min | (c) 5hr 30 min | (d) 1 hr 20 min |
| (e) 2 hr 40 min | (f) 10 hr 45 min | (g) 3 hr 15 min | (h) 30 min |
| (i) 22 hr 20 min | | | |

Question 5

- | | | | |
|-----------------|-----------------|------------|-----------------|
| (a) 42 min | (b) 6 min | (c) 54 min | (d) 1 hr 18 min |
| (e) 3 hr 36 min | (f) 6 hr 42 min | (g) 51 min | (h) 1 hr 9 min |
| (i) 3 hr 27 min | | | |

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Question 6

- (a) 56 min (b) 29 min (c) 1 hr 4 min (d) 2 hr 44 min
- (e) 3 hr 41 min (f) 2 hr 11 min (g) 8 hr 1 min (h) 4 hr 28 min
- (i) 1 hr 46 min

Work out

Question 1

- (a)** 30mph (b) 40mph (c) 9mph (d) 7.5km/h
- (e) 10m/s (f) 65mph (g) 85mph (h) 120mph
- (i)** 18m/s (j) 164mph (k) 9.5mph (l) 75km/h

Question 2

- (a)** 40mph (b) 64mph (c) 34km/h (d) 8km/h
- (e) 72mph (f) 128mph (g) 18km/h (h) 230mph
- (i) 36mph (j) 45mph (k) 54mph (l) 36km/h

Question 3

- (a) 42mph (b) 6mph (c) 68mph (d) 38mph
- (e) 180km/h (f) 52mph (g) 66mph (h) 96km/h

Question 4:

- (a)** 5mph (b) 50mph (c) 80mph (d) 240km/h
- (e) 40mph (f) 15000mph (g) 54.86mph (h) 23.51mph
- (i) 208.7mph (j) 69.28km/h

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Question 5

- (a) 150 miles (b) 460km (c) 180 miles (d) 120m
(e) 640 miles (f) 300m (g) 144 miles (h) 145 miles

Question 6

- (a) 30 miles (b) 14 miles (c) 11 miles (d) 17 miles
(e) 147 miles (f) 36 miles (g) 12 miles (h) 40km

Question 7

- (a) 60 miles (b) 48 km (c) 130 miles (d) 155 miles
(e) 182 miles (f) 188.5 miles (g) 8.4 miles (h) 145 miles
(i) 1020 km (j) 30 miles (k) 184km (l) 499.8 miles
(m) 44.67 miles (n) 150.58 miles (o) 51.33 miles (p) 0.53 miles

Question 8

- (a)** 960m (b) 2.4km (c) 1.5 miles (d) 1.25 miles

Question 9

- (a)** 3 hours (b) 5hours (c) 6 hours (d) 3 hours
(e) 40 seconds (f) 14 seconds (g) 4 hours (h) 3 hours
(i) 9 hours

Question 10

- (a) 2 hr 30 min (b) 1 hr 30 min (c) 1 hr 15 min (d) 45 min
(e) 4 hr 45 min (f) 2 hr 12 min (g) 8 hr 42 min (h) 5 hr 20 min
(i) 8 hr 40 min (j) 4 hr 21 min (k) 2 hr 8 min (l) 9 hr 33 min

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Question 11:

- (a) 100m/s (b) 5m/s (c) 10m/s (d) 20m/s
(e) 2.778m/s (f) 11.11m/s (g) 0.556m/s (h) 1.25m/s

Question 12:

- (a) 162km/h (b) 54km/h (c) 72km/h (d) 14.4km/h
(e) 3.6km/h (f) 1.8km/h (g) 0.72km/h (h) 1080km/h

Question 13:

- (a) 16km/h (b) 64km/h (c) 40km/h (d) 320km/h
(e) 12.8km/h (f) 3.2km/h (g) 16.8km/h (h) 39.36km/h

Question 14:

- (a) 20mph (b) 30mph (c) 15mph (d) 500mph
(e) 10mph (f) 0.4mph (g) 10000mph (h) 1500000mph

Apply

Question 1: 37 mph

Question 2: 3 hours 15 minutes

Question 3: 2178 miles

Question 4: 48mph

Question 5: 5:30pm

Question 6: 10:20

Question 7: 3:35am

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Question 8: 41 minutes 40 seconds

Question 9: (a) 390 miles (b) 39mph

Question 10: (a) 66 miles (b) 16.5mph

Question 11: 19:09 (7:09pm)

Question 12: (a) 55mph (b) 162.25 miles

Question 13: Bethany drove faster (56mph)

Question 14: 8 minutes

Question 15: 36km/h

Question 16: Yes (41.538mph)