

1.4 Solutions

GCSE Mathematics Kinematics

1.4.1 Answers (Example)

(i) 360 seconds (ii) 1080 metres (iii) More

1.4.2 Answers (Exercise)

Answer 1

(i) 240 seconds
(ii) 3600 seconds
(iii) 150 seconds
(iv) 1800 seconds

Answer 2

(i) 4000 metres
(ii) 500 metres
(iii) 700 metres
(iv) 1750 metres

Answer 3

(i) 240 seconds
(ii) 960 metres
(iii) Less

Answer 4

(i) 660 seconds
(ii) 990 metres
(iii) Less

Answer 5

(i) 1200 seconds
(ii) 2400 metres
(iii) 2.4 km

Answer 6

(i) 6000 metres
(ii) 2400 seconds
(iii) 2.5 m/s

Answer 7

(i) 750 metres
(ii) 375 seconds
(iii) 2 m/s

Answer 8

(i) 21 000 metres
(ii) 840 seconds
(iii) 14 minutes.

Answer 9

(i) 15 m/s
(ii) 25 m/s
(iii) 12.5m/s

Answer 10

(i) 20m/s
(ii) 6000 metres
(iii) 300 seconds
(iv) 5 minutes

Answer 11

(a) (i) 2.237 mph
(ii) 22.37 mph
(iii) 11.185 mph
(b) 4474 mph.

Answer 12

(a) (i) 15
(ii) 35
(iii) 4.5
(iv) 40
(b) 126 metres.

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Teachers may obtain detailed worked solutions to the exercises by email from MHHShrewsbury@Gmail.com