

2.2 Solutions

GCSE Mathematics Kinematics

Answer 1

- | | | | |
|---------|------------|----------|------------|
| (i) | 600 000 | (ii) | 2 400 000 |
| (iii) | 390 000 | (iv) | 200 000 |
| (v) | 12 000 000 | (vi) | 25 000 000 |
| (vii) | 24 000 000 | (viii) | 150 000 |
| (ix) | 1 350 000 | (x) | 605 000 |

Answer 2

- (i) 1800 seconds
- (ii) 36 000 metres
- (iii) 36 km

Answer 3

- (i) 3000 seconds
- (ii) 75 000 metres
- (iii) 75 km

Answer 4

- | | | | |
|---------|--------|----------|------|
| (i) | 4 | (ii) | 40 |
| (iii) | 2 | (iv) | 400 |
| (v) | 5000 | (vi) | 600 |
| (vii) | 0.5 | (viii) | 62.5 |
| (ix) | 30 000 | (x) | 6000 |

Answer 5

- (i) 24000 metres
- (ii) 1200 seconds
- (iii) 20 m/s

Answer 6

- (i) 270 000 metres
- (ii) 900 seconds
- (iii) 300 m/s
- (iv) A little below the speed of sound.

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