

7.2 Answers

GCSE Mathematics Kinematics

Answer 1 $time = \frac{distance}{speed}$

Answer 2

(i) 1000

(ii) 3600

Answer 3

(i) 1200 seconds

(ii) 240 metres

(iii) less

Answer 4

(i) 900 seconds

(ii) 2700 metres

(iii) 2.7 km

Answer 5

(i) 13 m/s

(ii) 130 m

Answer 6

6.9 kg

Answer 7

(i) distance

(ii) acceleration

Answer 8

(i) 12m/s

(ii) 50 s

(iii) 300m

(iv) before

(v) (–) 0.24 m/s²

Answer 9

$852 \times 10.75 = 9159$ km

Answer 10

(i) 8

(ii) 24

(iii) 3

Answer 11

0.5

Answer 12

$72 \div 1\frac{1}{3} = 54$ km/h

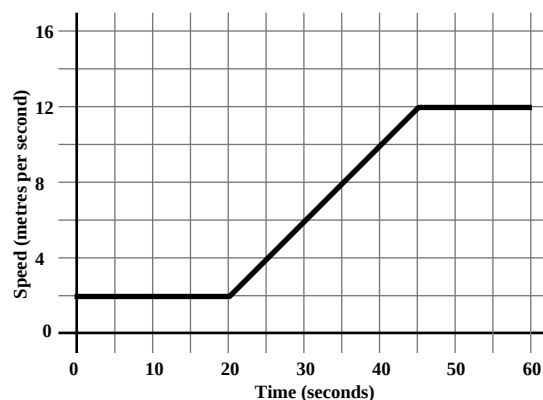
Answer 13

(i) $t = 10$ s and $t = 50$ s

(ii) $6 \div 40 = 0.15$ m/s²

(iii) 420 m

Answer 14



Answer 15 : 45 minutes