

Compound Measures Exercise 22.1S Page 465

1 a) 100 m in 13 s speed = $\frac{D}{T} = \frac{100}{13} = 7.692$
 $= 7.7 \text{ m/s}$

1 d) 1500 m in 4 min 52 s
 $= 4 \times 60 + 52$
 $= 292 \text{ s}$ $S = \frac{D}{T} = \frac{1500}{292} = 5.1369$
 $= 5.1 \text{ m/s}$

2 a) 2 hrs at 80 km/h $D = S \times T = 2 \times 80 = 160 \text{ km}$

2 d) 1 day at 12 mph
 24 hrs at 12 mph $D = S \times T = 12 \times 24 = 288 \text{ miles}$

3 a) 180 km at 60 km/h $T = \frac{D}{S} = \frac{180}{60} = 3 \text{ hrs}$

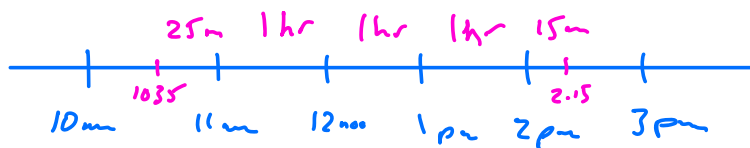
3 d) 15 miles at 60 mph $T = \frac{D}{S} = \frac{15}{60} = \frac{1}{4} = 15 \text{ min}$

Classwork Q1, 2, 3 parts b, c

Time Arithmetic

Ex¹

How long is it from 10.35 am to 2.15 pm

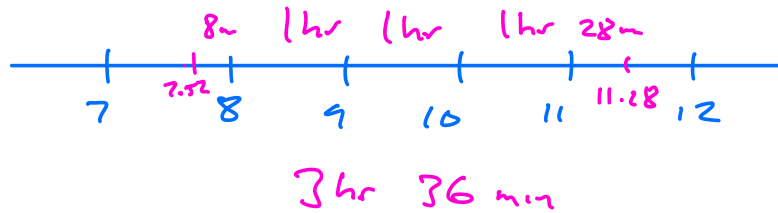


3hr 40min

Ex 2 How long from 07.52 to 11.28

$$\begin{array}{r} 0 \text{ hr} \\ 10 \text{ hr} \\ 11.28 \\ - 07.52 \\ \hline 3.36 \end{array} \quad 3 \text{ hr } 36 \text{ min}$$

OR



Exercise How long from
0647 to 0912

$$\begin{array}{r} 8 \text{ hr} \\ 09.12 \\ - 06.47 \\ \hline 2.25 \end{array}$$

2hr 25min

