

1. How many hours/minutes/seconds are there in a day?

2.

 *Can 21 days be written in weeks? Explain your answer.*


3. Can 52 days be written in weeks? Explain your answer.

$\frac{1}{3}$  hour =  minutes

3  and 24  = 204

1.5 minutes =  seconds

1.05 minutes =  seconds

 *Is 0.75 hours the same as 75 minutes? Why or why not?*

Here is a train timetable.

<b>Sheffield</b>	Departure	12:29	12:49	13:29	13:49	14:29	14:49	15:29	15:49	16:29
<b>London St Pancras International</b>	Arrival	14:30	14:59	15:31	15:59	16:32	16:59	17:29	18:07	18:36

- a. Work out the duration of each journey in hours and minutes.
- b. Convert the duration of the journeys into minutes.

## ANSWERS

1. 24 hours in a day

24 x 60 minutes in a day = 1,440

1,440 x 60 seconds in a day = 86,400

2. Yes 21 days is 3 weeks.  $21 \div 7 = 3$

3. It can be written as mixed weeks and days but not full weeks.

7 weeks and 3 days

$\frac{1}{3}$  hour = 20 minutes

3 hours and 24 minutes = 204 minutes

1.5 minutes = 90 seconds

1.05 minutes = 63 seconds

No. 0.75 hours means  $\frac{3}{4}$  of an hour which is 45 minutes.

75 minutes is more than 1 hour. It is 1.25 hours.

Here is a train timetable.

<b>Sheffield</b>	Departure	12:29	12:49	13:29	13:49	14:29	14:49	15:29	15:49	16:29
<b>London St Pancras International</b>	Arrival	14:30	14:59	15:31	15:59	16:32	16:59	17:29	18:07	18:36
<b>Duration</b>		2:01	2:10	2:02	2:10	2:03	2:10	2:00	2:18	2:07
<b>Duration in Minutes</b>		121	130	122	130	123	130	120	138	127