

Timetable Questions Worksheet

Mr Ward



Let's refresh our skills on finding time intervals!

Complete the missing information for timetable below



Events on Saturday 6th August			
Sport	Start time	Finish time	Duration
 Basketball		20:15	9 h 30 mins
 Cycling	11:30		6 h 30 mins
 Rowing		13:30	3 hours
 Swimming	13:55	17:40	



Let's refresh our skills on finding time intervals!

Answers - Mental arithmetic or number lines?

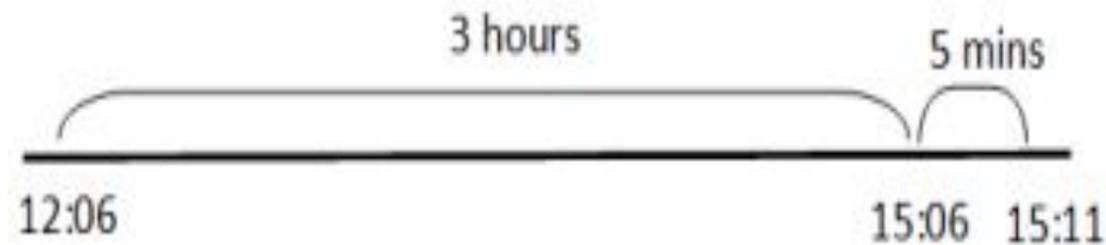
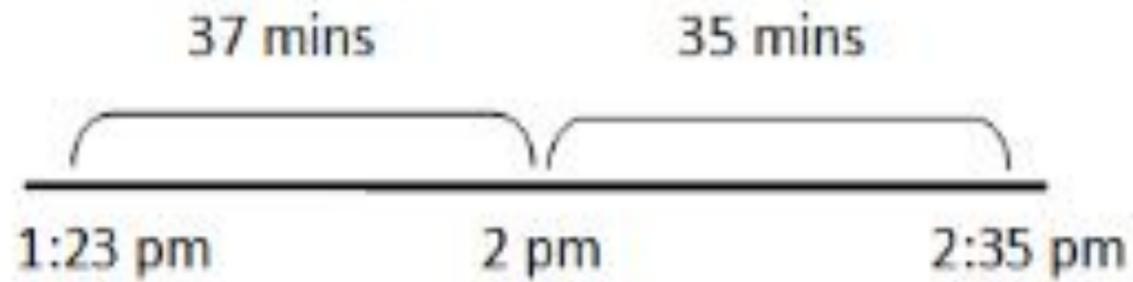
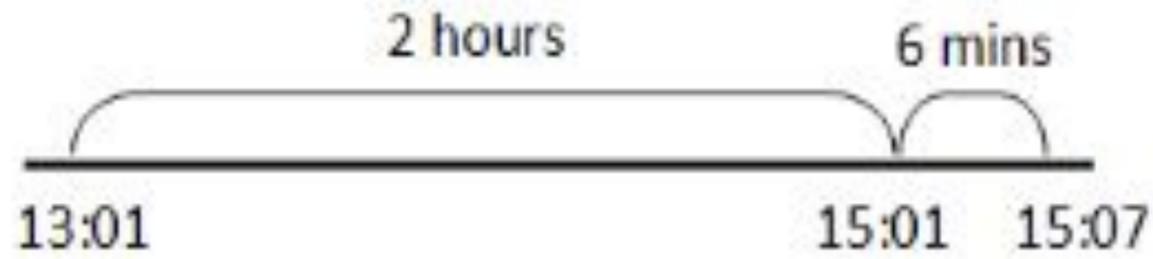
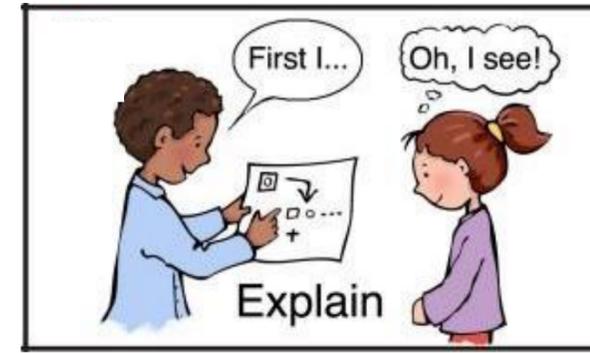


Events on Saturday 6th August			
Sport	Start time	Finish time	Duration
 Basketball	10:45	20:15	9 h 30 mins
 Cycling	11:30	18:00	6 h 30 mins
 Rowing	10:30	13:30	3 hours
 Swimming	13:55	17:40	3 h 45 mins



Talk Task - Train timetable

What question could be asked to result in the number line given?



Trains from London to Penzance						
	London Paddington	Exeter St Davids	Newton Abbot	Plymouth	Truro	Penzance
Train A	10:06	12:06	12:29	13:11	14:37	15:11
Train B	10:40	12:41	13:01	13:49	15:07	15:49
Train C	11:25	13:23	13:44	14:35	15:56	16:45



Use the timetable below to answer the questions carefully
 Try to provide your answers in full sentences please.



	Trains from Swansea to Reading			
	Train A	Train B	Train C	Train D
Swansea	10:29	10:58	-	11:28
Cardiff Central	11:26	-	11:55	12:25
Bristol Temple Meads	12:03	12:00	12:32	13:01
Bath Spa	-	12:12	-	13:15
Swindon	-	12:39	12:57	-
Reading	13:02	13:08	13:36	14:06

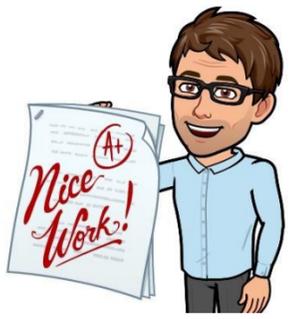
- How long does each train take to travel from Bristol to Reading?
- Jasmine needs to be in Bristol by 12:30 p.m. What time must she depart from Swansea to arrive in time?
- Sacha wants to take the train from Bristol to Swindon and arrive by 1 p.m. What are his options?
- Claire is travelling from Bristol to Reading at midday, is train B her best choice?
- Adam gets the fastest train from Cardiff to Bristol, which train does he get?





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Reading	13:02	13:08	13:36	14:06





a) How long does each train take to travel from Bristol to Reading?

b) Jasmine needs to be in Bristol by 12:30 p.m. What time must she depart from Swansea to arrive in time?

c) Sacha wants to take the train from Bristol to Swindon and arrive by 1 p.m. What are his options?

d) Claire is travelling from Bristol to Reading at midday, is train B her best choice?

e) Adam gets the fastest train from Cardiff to Bristol, which train does he get?



Challenge Slide

...calculate the time interval
between 11:55 and 12:57?

$$\begin{array}{r} 12:57 \\ - 11:55 \\ \hline 01:02 \end{array}$$

...calculate the time interval
between 11:55 and 12:57?

$$\begin{array}{r} 13:00 \\ - 11:20 \\ \hline 01:80 \end{array}$$

...calculate the time interval
between 14:35 and 11:08?

$$\begin{array}{r} 14:35 \\ - 11:08 \\ \hline 03:27 \end{array}$$



Lucy says using column subtraction never works when using time intervals.

Ben disagrees because he says it always works for him.

Khalid finds time intervals difficult but is good at column subtraction. He is hoping Ben is right!

1. Who is right? Show evidence in your reasoning and explanations.
2. What advice would you give to each pupil?

