

Yr 5 Measures and data Unit 2 (5303)

Additional teacher instructions for practice sheets

These notes indicate which practice sheets are most appropriate for which groups.

Day 1 Reading timetables Sheet 1 + continuation sheet

Working towards ARE/Working at ARE/ Greater Depth

Children working towards ARE to use the continuation sheet to help them convert between 12 and 24 hour clock.

Day 2 Calculating time intervals Sheet 1

Working towards ARE/Working at ARE/ Greater Depth

Children working towards ARE to use Day 1 Sheet 1 continuation sheet for support.

Reading timetables

Sheet 1

Here are the times for the train from London to Bristol Parkway in the afternoon.

London Paddington	12:45	13:15	13:45	14:15	14:45	15:15
Reading	13:11	13:41	14:11	14:41	15:11	15:41
Didcot Parkway		13:56		14:56		15:56
Swindon	13:38	14:13	14:38	15:13	15:38	16:13
Bristol Parkway	14:07	14:40	15:07	15:40	16:07	16:40

1. Jackie has been to a museum in London. She gets back to London Paddington at twenty past 2 in the afternoon. When is her next train to Reading? What time will she get into Reading?
2. Sandip lives in Swindon. She wants to get to Bristol Parkway so she can get to her hospital appointment in time. If it takes her 5 minutes to walk from the station to the hospital, what train does she need to catch for her appointment at five minutes to 4?
3. Billy has arranged to meet his friend at Didcot Parkway station at 3pm. Which train does he need to catch from Reading?
4. How long does it take the train to get from London to Reading?
5. Which is the shortest journey between stops?
6. How long does it take to get from London to Bristol Parkway if the train does not stop at Didcot Parkway?
7. How much longer is the train journey when the train does stop at Didcot Parkway?
8. Choose a starting point and time, and a destination. Record the times as they would appear on a 12-hour digital watch and on an analogue watch (a watch face with hour and minute hands). Work out how long the journey would take.

Reading timetables

Sheet 1 (continuation)

Use this information about 12-hour and 24-hour times to help you to read timetables.

12-hour format	24-hour format
12:00 midday	12:00
1:00 pm	13:00
2:00 pm	14:00
3:00 pm	15:00
4:00 pm	16:00
5:00 pm	17:00
6:00 pm	18:00
7:00 pm	19:00
8:00 pm	20:00
9:00 pm	21:00
10:00 pm	22:00
11:00 pm	23:00

Calculating time intervals

Here is a TV guide. It tells you what time television programmes start and finish. Look at the guide then answer the questions.

Channel ONE		App review 16:15-17:05	Speed is king 17:05-18:00	News 18:00-18:45	Soap Street 18:45-19:30	Bake the bread 19:30-20:25
Channel TWO	Terry the Teddy 16:00-16:20	Kids Quiz 16:20-16:55	Story sack 16:55-17:05	FILM: Monty goes to the Moon 17:05-18:30	Football update 18:30-19:30	Totally Trucks 19:30-20:20
Channel THREE		Railway wonders 16:10-17:05	Coastal walks 17:05-17:35	Amazing Antiques 17:35-18:10	Friday FILM: Alaskan Adventure 18:10-20:00	

1. How long is the programme Soap Street?
2. How long is the programme App review?
3. Which programme lasts half an hour?
4. Which programme lasts 1 hour and 25 minutes?
5. How long is the longest programme?
6. How long is the shortest programme?
7. How many programmes last longer than an hour?
8. How many programmes last less than half an hour?
9. A young child is watching Channel 2 at 4pm. What programme is on then?
10. Later, her brother watches Totally Trucks. He goes to bed at 8pm. How much of the programme will he miss?

Challenge

Make up three more questions about the length of programmes in this guide. Ask your partner to solve them.

Measures and data

Answers

Day 1 Reading timetables Sheet 1

1. The next train is at 14:45; Jackie will get to Reading at 15:11.
2. Sandip needs to catch the 15:13 train to Bristol Parkway.
3. Billy needs to catch the 14:41 from Reading.
4. The train takes 26 minutes.
5. The shortest journey is 15 minutes, between Reading and Didcot Parkway.
6. The train takes 1 hour and 22 minutes.
7. The train takes 3 minutes longer when it does stop at Didcot Parkway.

Day 2 Calculating time intervals Sheet 1

1. Soap Street is 45 minutes long.
2. App review is 50 minutes long.
3. Coastal Walks lasts half an hour.
4. Monty goes to the Moon.
5. 1 hour and 50 minutes long (Alaskan Adventure).
6. 10 minutes long (Story Sack).
7. 3
8. 2
9. Terry the Teddy.
10. 20 minutes.