

**Summer Week 10 Lesson 1 – 29.06.20**

**STARTER: Converting units of time**

Stepping Stone:

1.0 Convert 2 hours to minutes	2.0 Convert 8 hours to minutes	3.0 Convert 180 hours to days	4.0 Convert 4 minutes to seconds
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Mild:

5.0 Convert 6 weeks to days	6.0 Convert 10 weeks to days	7.0 Convert 108 seconds to minutes	8.0 Convert 6 days to hours
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Spicy:

9.0 Convert 8 weeks to days	10.0 Convert 72 hours to days	11.0 Convert 6 hours to minutes	12.0 Convert 180 seconds to minutes
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Red hot:

13.0 Convert 2 days to minutes	14.0 Convert 79.2 minutes to days	15.0 Convert 0.32 weeks to days	16.0 Convert 324 hours to days
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**Year 4/5 Maths****Summer Week 10 Lesson 1 – 29.06.20****LO: To complete, read and interpret information in timetables****Task:**

You are going to look at **timetables** to extract information. You will need to use your skills of understanding **time intervals**.

**IMPORTANT**

Reading timetables is a Year 5 objective. As this lesson is also for Year 4, you will see that there are two tasks for the Steppingstone activity. Even if you don't normally do the Steppingstone activities, you might find that they are a good place to start for this lesson. Then you can work your way up through the challenges.

**Success Criteria:**

1. Find the departure location on the timetable and look at the time.
2. Find the arrival location on the timetable and look at the time.
3. Work out the time it takes to get from departure to arrival.
4. Use your knowledge of telling the time.

**24 hour clock:****13:00 = 1.00pm****19:00 = 7.00pm****14:00 = 2.00pm****20:00 = 8.00pm****15:00 = 3.00pm****21:00 = 9.00pm****16:00 = 4.00pm****22:00 = 10.00pm****17:00 = 5.00pm****23:00 = 11.00pm****18:00 = 6.00pm****00:00 = midnight / 12.00am**



## Model: This will be modelled on the video

Bus Timetable Trail Chaser

Start at any shape. Calculate how long that particular journey takes. Find the answer and join them together with a line. Continue doing this until you have connected all of the journeys and times together.

Destination	Bus A
Newtown	09:05
Oldtown	09:15
Oakley	09:20
Parkside	09:30
Puddleton	09:35
Whitecross	09:50
Creswell	10:10
Hilltop	10:20
Riverway	10:55

Oakley to Parkside  
 20 minutes

Hilltop to Riverway  
 5 minutes

Puddleton to Whitecross  
 30 minutes

Whitecross to Creswell  
 15 minutes

Creswell to Riverway  
 25 minutes

Parkside to Puddleton  
 60 minutes

Newtown to Parkside  
 35 minutes

Oakley to Hilltop  
 10 minutes

Whitecross to Hilltop  
 45 minutes

### EXAMPLE: Whitecross to Creswell

1. The bus leaves Whitecross at 09:50 and arrives at Creswell at 10:10.

2. Count the length of time between the two times:

$$09:50 + 10 \text{ minutes} = 10:00$$

$$10:00 + 10 \text{ minutes} = 10:10$$

This is a total of **20 minutes**.

3. Find the shape that says 20 minutes and join the two together.

Bus Timetable Trail Chaser

Start at any shape. Calculate how long that particular journey takes. Find the answer and join them together with a line. Continue doing this until you have connected all of the journeys and times together.

Destination	Bus A	Bus B
Newtown	09:30	10:05
Oldtown	09:46	—
Oakley	09:52	—
Parkside	10:08	10:35
Puddleton	10:20	—
Whitecross	10:25	10:42
Creswell	10:54	11:10
Hilltop	11:20	—
Riverway	11:36	11:45

Newtown to Parkside (B)
26 minutes

Oldtown to Oakley (A)
60 minutes

Puddleton to Hilltop (A)
30 minutes

Creswell to Riverway (B)
6 minutes

Creswell to Hilltop (A)
62 minutes

Oakley to Creswell (A)
22 minutes

Oldtown to Parkside (A)
65 minutes

Oakley to Parkside (A)
35 minutes

Newtown to Creswell (B)
16 minutes

Bus Timetable Trail Chaser

Start at any shape. Calculate how long that particular journey takes. Find the answer and join them together with a line. Continue doing this until you have connected all of the journeys and times together.

Destination	Bus A	Bus B
Newtown	11:40	12:25
Oldtown	12:07	—
Oakley	12:32	13:12
Parkside	12:58	13:30
Puddleton	13:09	—
Whitecross	—	13:56
Creswell	13:45	14:13
Hilltop	14:23	—
Riverway	14:44	15:06

Oldtown to Oakley (Bus A)
91 minutes

62 minutes
Parkside to Creswell (Bus B)

Newtown to Oakley (Bus B)
26 minutes

25 minutes
Parkside to Whitecross (Bus B)

17 minutes
Oldtown to Puddleton (Bus A)

36 minutes
Whitecross to Creswell (Bus B)

43 minutes
Newtown Parkside (Bus A)

Newtown to Whitecross (Bus B)
73 minutes

21 minutes
Puddleton to Creswell (Bus A)

Hilltop to Riverway (Bus A)
47 minutes

65 minutes
Oakley to Creswell (Bus A)

78 minutes
Newtown to Parkside (Bus B)

**Model: These will be modelled on the video**

Use the information below to complete the table.

Station	Train A	Train B	Train C
Codsall	6:10	10:20	11.25
Cosford	6:30	10:35	11:50
Shifnall	6:50	10:50	12:15

- Train A takes 20 minutes to travel to each station.
- Train B takes 15 minutes to travel to each station.
- Train C takes 25 minutes to travel to each station.

Meghan is in Sheffield. She needs to be in Birmingham before quarter past 8. Which train should she catch?

Leeds	18:50	19:00	19:00	19:10
Sheffield	19:05	-----	19:15	19:25
Nottingham	19:30	-----	19:40	19:40
Leicester	19:55	19:40	20:05	-----
Birmingham	20:15	19:55	20:25	20:10

**She should catch the train at 19:25.**

**1a. Jacob is going to watch a football match which kicks off at 3pm.**

**Which bus should he catch from the bus station?**

Bus Station	14:00	-----	-----	14:30
Leeds Road	14:15	-----	14:15	14:45
Supermarket	-----	14:45	14:30	15:00
Stadium	14:45	15:00	14:45	15:15



S VF

**2a. Which class has javelin at 1pm?**

	Sack Race	Sprint	Javelin
Class 1	1pm	1:15pm	1:30pm
Class 2	1:15pm	1:30pm	1pm
Class 3	1:30pm	1pm	1:15pm



S VF

**3a. Which train has the shortest journey time from Ealing to Notting Hill?**

Ealing	13:00	13:30	14:00	14:30
Acton	13:15	-----	-----	14:45
White City	-----	-----	-----	15:00
Holland Park	13:45	14:15	-----	15:15
Notting Hill	14:00	-----	14:45	15:30



S VF

**4a. Which television programmes last for 30 minutes?**

Music Channel		Food Channel	
09:00	Rock It	09:00	Let's Bake!
09:45	Popstars	09:30	Chef Corner
10:45	Classics	10:30	I Can Cook!
11:30	Classical Hour	11:00	Thai Style



S VF



**5a. Ellie is catching the train from Dewsbury to Huddersfield. She needs to be in Huddersfield before 9:40am.**

**Which train should she take?**

Batley	09:05	-----	09:10	-----
Dewsbury	09:10	09:15	09:15	09:20
Ravensthorpe	09:20	-----	-----	-----
Deighton	09:35	09:30	-----	09:35
Huddersfield	09:45	09:40	09:35	09:45



S VF

**6a. Which bus from Halifax would get you to Brighouse the quickest?**

Halifax	15:00	15:10	15:20	15:30
Salterhebble	-----	15:25	-----	-----
Elland	15:25	15:40	-----	15:55
Brighouse	15:40	15:55	15:45	16:10



S VF

**7a. How long does the quiz show last for?**

Sports Channel		Food Channel	
16:00	Soccer Show	16:00	Bake it!
16:35	Glorious Golf	16:35	Food Quiz
17:15	Racing	17:15	Won't Cook
17:50	Super Goals!	17:50	Super Chef



S VF

**8a. Billy is in Class 3. What time does he need to be ready for the javelin?**

	Sprint	Sack Race	Javelin
Class 1	2pm	2:10pm	2:20pm
Class 2	2:05pm	2:15pm	2:25pm
Class 3	2:10pm	2:20pm	2pm
Class 4	2:15pm	2pm	2:35pm



S VF

# RED HOT

**9a. Frankie is meeting his friend in Leeds at 10am. Which train should he catch from Mirfield?**

Huddersfield	07:40	07:52	08:05	-----
Mirfield	08:02	08:14	08:27	08:40
Ravensthorpe	08:17	-----	08:42	08:55
Dewsbury	08:39	08:52	09:05	09:18
Batley	08:45	-----	09:11	09:24
Leeds	09:29	09:28	09:49	10:03



S VF

**10a. Which show lasts the shortest amount of time?**

Sports Channel		Food Channel	
14:05	Soccer Show	14:00	Bake it!
15:15	Match Time	15:30	Food Quiz
16:55	Sports Quiz	16:15	Won't Cook



S VF

**11a. How long is the journey from Halifax to Brighouse on the 15:12 bus?**

Halifax	15:07	15:12	15:23	15:36
Salterhebble	-----	15:28	-----	-----
Elland	15:31	15:40	-----	16:04
Brighouse	15:44	15:59	15:53	16:11
Wyke	16:02	-----	16:13	16:21



S VF

**12a. How long does Willow have Maths for on Friday?**

	08:55-10		10:30-12		1:05-2:15
Mon	English	B r e a k	Science	L u n c h	History
Tue	Maths		PE		Geography
Wed	Art		Maths		English
Thu	English		Science		DT
Fri	Maths		Maths		PE



S VF