

Hola niñas/niños

Well done for all of your hard work this week. Let us start with a maths brain teaser. Please copy the grids out. You do not need to complete all of them.

## Maths Brain Teaser - 20

Copy and complete the following multiplication grids as quickly as you can.

x	3	6	8
11			
4			
9			

x	7	12	4
9			
4			
3			

x	10	7	6
5			
1			
0			

x	6	3	2
5			
11			
3			

x	8	3	5
4			
9			
5			

x	2	0	5
6			
8			
3			

For the main task we are going to work on timetables.

We are going to continue to work from the White Rose learning. Timetables

Please let the video guide you when tackling the activity.

1. Copy or click on the link (press Ctrl then click) <https://whiterosemaths.com/homele>:


Then click Year 5

The screenshot shows the White Rose Maths website interface. At the top left, there is a 'Summer Term Plans' banner with a 'Click here for more details' button. Below this is a 'Hello there, Parents and Carers!' section with introductory text. The main navigation area consists of a grid of buttons for different year groups: Early Years, Year 1, Year 2, Year 3, Year 4, Year 5, Year 6, Year 7, Year 8, Year 9, Year 10, and By Topic. A blue arrow points to the 'Year 5' button with the word 'click' written next to it. To the right of the grid is a vertical sidebar menu titled 'Home Learning' with a list of options: Summer Term, Easter Fun, Home Learning - Early Years, Home Learning - Year 1, Home Learning - Year 2, Home Learning - Year 3, Home Learning - Year 4, Home Learning - Year 5, Home Learning - Year 6, Home Learning - Year 7, Home Learning - Year 8, Home Learning - Year 9, and Home Learning - Year 10.

Click **Summer Term - Week 12 (w/c 13th July)**



First, watch the video to support your learning and use it to work on the activity sheets below.

## Lesson 4 - Timetables

Have a go 

Whitney needs to be at Times Square for 12:15  
What time should she leave from Pi Street?

Pi Street	Subtraction Way	Times Square	Calculation Street	Total Avenue
11:56	12:01	12:12	12:19	12:25
12:05	12:10	12:21	12:28	12:34
		12:36	12:43	12:49

07:29  

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Looking for the worksheets? Contact your child's teacher to check if they have a subscription to our worksheets. Alternatively, [read more here](#) or get some extra from [BBC Bitesize](#).

**WALT use our understanding of time within timetable**

# Timetables

1 Here is a bus timetable.

	Bus A	Bus B	Bus C
Green Park Road	08:45	09:00	09:15
Forrest Drive	09:05	09:20	09:35
Summerville Street	09:22	09:37	09:52
Penny Bridge	09:40	09:55	

- a) What time does Bus A arrive at Green Park Road?
- b) What time does Bus B arrive at Summerville Street?
- c) What time does Bus C arrive at Forrest Drive?
- d) Each bus takes the same amount of time to get from Green Park Road to Penny Bridge.  
What time does Bus C arrive at Penny Bridge?
- e) Eva needs to be at Summerville Street by 9:35  
Which bus does she need to get from Green Park Road?

2 Here is an extract from a TV guide.

17:00	17:30	18:00	18:30	19:00	19:30	20:00
News	Catch It!	Giant George	Wilson Street		News	Detective Files

- a) At what times is the news on?  and
- b) What time does *Detective Files* start?
- c) How long is *Wilson Street* on for? \_\_\_\_\_
- d) Eva is working out how long *Catch It!* is on for.

Here are her workings.



Catch It! is on for 85 minutes.


	7	9	
	1	8	: 10
-	1	7	: 5
	0	0	: 85

Do you agree with Eva? \_\_\_\_\_  
Talk about it with a partner.

- e)  The news is on for half an hour in total.

Do you agree with Ron? \_\_\_\_\_  
Explain your answer.

3 Here is part of a train timetable.



St Pancras	06:25	06:40	06:55	07:05	07:22
Stratford	06:32	06:47	07:02	07:12	07:29
Ebbsfleet	06:43	06:59	07:15	07:23	07:40
Ashford	—	07:19	—	07:42	—
Gravesend	06:47	—	07:18	—	07:43

- a) How many of the trains go all the way from St Pancras to Gravesend?
- b) How long does the 06:40 take to get from St Pancras to Ashford?  
 minutes
- c) Which train takes the least amount of time to get from St Pancras to Gravesend?  
\_\_\_\_\_

4 In this timetable, all the trains stop at every station and the time taken between stations does not change.

Fill in the missing information.



Aberford	08:30	11:00	13:10	
Cartown		11:22		
Donville			13:47	
Highborough			14:01	
Southland	09:57			16:03

5 Draw a timetable of your school day.

- a) How many minutes do you spend at school?  
 minutes
- b) How many seconds do you have for your lunch break?  
 seconds
- c) Write your own questions for a partner to answer about your timetable.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- d) Work with a partner to create your timetable for the rest of the week.  
Work out how many hours, minutes and days you spend on each subject.



Answers -

Timetables

Maths

1 Here is a bus timetable.

	Bus A	Bus B	Bus C
Green Park Road	08:45	09:00	09:15
Forrest Drive	09:05	09:20	09:35
Summerville Street	09:22	09:37	09:52
Penny Bridge	09:40	09:55	

- a) What time does Bus A arrive at Green Park Road? 08:45
- b) What time does Bus B arrive at Summerville Street? 09:37
- c) What time does Bus C arrive at Forrest Drive? 09:35
- d) Each bus takes the same amount of time to get from Green Park Road to Penny Bridge.  
What time does Bus C arrive at Penny Bridge?  
10:10
- e) Eva needs to be at Summerville Street by 9:35  
Which bus does she need to get from Green Park Road?  
08:45

2 Here is an extract from a TV guide.

17:00	17:30	18:00	18:30	19:00	19:30	20:00
News	Catch It!	Giant George	Wilson Street		News	Detective Files

- a) At what times is the news on? 17:00 and 19:15
- b) What time does *Detective Files* start? 19:30
- c) How long is *Wilson Street* on for? 1 hour
- d) Eva is working out how long *Catch it!* is on for.

Here are her workings.

$$\begin{array}{r}
 79 \\
 18:00 \\
 - 17:15 \\
 \hline
 00:45
 \end{array}$$

 *Catch it!* is on for 85 minutes.

Do you agree with Eva? No  
Talk about it with a partner.

e)  The news is on for half an hour in total.

Do you agree with Ron? Yes



3 Here is part of a train timetable.



St Pancras	06:25	06:40	06:55	07:05	07:22
Stratford	06:32	06:47	07:02	07:12	07:29
Ebbsfleet	06:43	06:59	07:15	07:23	07:40
Ashford	—	07:19	—	07:42	—
Gravesend	06:47	—	07:18	—	07:43

- a) How many of the trains go all the way from St Pancras to Gravesend? 3
- b) How long does the 06:40 take to get from St Pancras to Ashford?

39 minutes

- c) Which train takes the least amount of time to get from St Pancras to Gravesend?

07:22

4 In this timetable, all the trains stop at every station and the times taken between stations does not change.

Fill in the missing information.



Aberford	08:30	11:00	13:10	14:36
Cartown	08:52	11:22	13:32	14:58
Donville	09:07	11:37	13:47	15:13
Highborough	09:21	11:51	14:01	15:27
Southland	09:57	12:27	14:37	16:03

5 Draw a timetable of your school day. *Various answers.*

- a) How many minutes do you spend at school?

minutes

- b) How many seconds do you have for your lunch break?

seconds

- c) Write your own questions for a partner to answer about your timetable.

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- d) Work with a partner to create your timetable for the rest of the week.

Work out how many hours, minutes and days you spend on each subject.



Brain teaser answers -

20.

x	3	6	8
11	33	66	88
4	12	24	32
9	27	54	72

x	7	12	4
9	63	108	36
4	28	48	16
3	21	36	12

x	10	7	6
5	50	35	30
1	10	7	6
0	0	0	0

x	6	3	2
5	30	15	10
11	66	33	22
3	18	9	6

x	8	3	5
4	32	12	20
9	72	27	45
5	40	15	25

x	2	0	5
6	12	0	30
8	16	0	40
3	6	0	15