

Starter

Odd One Out

What is the odd one out in each group and why? (You may think differently to other people!)

$$\frac{1}{2} \quad \frac{5}{10}$$

$$\frac{20}{50} \quad \frac{45}{90}$$

$$\frac{2}{4} \quad \frac{6}{12}$$

$$\frac{1}{9} \quad \frac{6}{8}$$

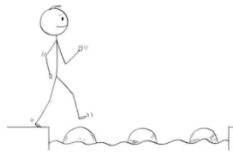
$$\frac{1}{4} \quad \frac{1}{8}$$

$$\frac{1}{10} \quad \frac{1}{16}$$

$$\frac{3}{4} \quad \frac{7}{8}$$

$$\frac{2}{3} \quad \frac{9}{5}$$

$$\frac{7}{12} \quad \frac{6}{7}$$



Summer week 8 Lesson 5 – 19.06.20

LO: To problem solve about tables

Success Criteria:

- | |
|--|
| 1. Read the question carefully |
| 2. Underline the key words |
| 3. Identify which part of the table you are focussing on |
| 4. Identify the calculation needed and solve it! |

Model

How long is the journey from Outwood to Sandal on the 09:49 bus?

11 mins until
 10.00 then
 28 more mins
 until 10.28=
 39mins

Leeds	09:35	09:42	09:55	10:05
Outwood	09:44	09:49	-----	-----
Wakefield	10:05	10:15	-----	10:30
Sandal	10:23	10:28	10:30	10:45

The journey is 39 minutes long.

This table shows the number of bath bombs produced by 3 people over 3 days.

The table is incomplete.

You will have to
 Calculate the missing
 amounts to answer
 this question

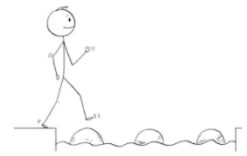
	Chloe	Jake	Ash	Total
Mon	163	101	89	353
Tues	132	94	83	309
Wed	57	93	68	218
Total	352	288	240	880

Chloe says, "I made 67 bath bombs on Wednesday."

Do you agree with Chloe? Convince me.

Chloe is incorrect because she made 57 bath bombs on Wednesday. $93 + 68 = 161$. $218 - 161 = 57$.

Or filling in other information; $163 + 132 = 295$. $352 - 295 = 57$.



Reading Timetables

Use the timetables to answer the following questions.

Bus Timetable	
Bus Stop	Time
Swords	10:15 a.m.
Santry	10:35 a.m.
Drumcondra	10:50 a.m.
O'Connell Street	10:55 a.m.
Ringsend	11:10 a.m.
Sandymount	11:20 p.m.

How long does it take to get from:

- Swords to Santry? _____
- Drumcondra to O'Connell Street? _____
- Ringsend to Sandymount? _____

2. How long does it take to get from:

- Santry to Ringsend? _____
- O'Connell Street to Sandymount? _____
- Swords to Sandymount? _____



Reading Timetables

Use the timetables to answer the following questions.

Cinema Times		
Film	Time	Duration
The Fairy Tree	4:00 p.m.	_____
Charlie's Day Out	6:30 p.m.	100 minutes
Galaxy Warriors	7:15 p.m.	105 minutes
The Dealbreaker	9:00 p.m.	120 minutes

1. Calculate the duration of the films in hours and minutes.

- Charlie's Day Out
 _____ hours and _____ minutes
- Galaxy Warriors
 _____ hours and _____ minutes
- The Dealbreaker
 _____ hours and _____ minutes

2. Daisy went to see 'The Fairy Tree'. The film finished at 5:10 p.m. How long was the film in minutes? Add the duration to complete the timetable.

3. Max's family went to see 'The Dealbreaker'. What time did the film end?



Main Activity – Choose which activity to do (1 about tables and 1 about timetables) - to stretch yourselves do them all!

Tables

1. The table below shows the favourite subjects of boys and girls at Newtown High School. Complete the table using the clues below.



	Maths	English	P.E.	French	Total
Boys			156	292	
Girls		296	298		

Clues:

- ❖ The difference between the amount of boys who voted for English and the amount of boys who voted for P.E. is the same number as the tens and ones of the boy's P.E. amount.
- ❖ 23 more girls voted for Maths than boys.
- ❖ The amount of girls that chose French is exactly half of the amount of boys who chose French.
- ❖ The amount of girls that chose PE is exactly double the amount of boys that voted for Maths.

DP

2. The table below shows the average amount of rainfall in mm for Glasgow and Eastbourne.

	Glasgow	Eastbourne
January	125.6	80.1
April	50.7	51.8
July	70.3	47.7
October	110.2	79.9

Create a range of questions based on the table and answer them!



What is the difference between the total amount of rainfall in Glasgow and Eastbourne?

Timetables

1. Jordan and Virgil are planning to meet in Longston at 13:00. Investigate whether each friend will be able to make it if Jordan lives in Upper Skeldale and Virgil lives in Hyken Heath.

X56 Bus				
Upper Skeldale	.....	09:26	.....	11:36
Bradwood	09:12	09:42	.....	.....
Halifield	09:31	.....	10:46	.....
Lintonworth	.....	10:10	10:55	.....
Wychurch	09:52	10:22	11:07	12:15
Hyken Heath	10:03	.....	11:18	.....
Huddersholme	10:15	10:45	11:30	12:35
Sheffeham	10:27	10:57	11:43	.....
Kingston Square	10:48	.....	.....	12:56

East-line Train				
Hove Green	10:06	11:15	.....	13:16
Wychurch	.....	.....	12:12	.....
Newton Nook	.....	11:35	12:26	.....
Huddersholme	10:21	.....	.....	13:52
Kingston Square	10:46	11:50	13:02	14:12
Chickenham	.....	.....	13:32	.....
West Waterton	.....	12:26	13:47	
Kirk Hill	.....	.....	13:56	15:06
Longston	11:46	12:12	.....	15:42

Using the timetables, decide on a new meeting time at Longston and plan a route for each friend.

DP

2. A holiday camp opens at 09:00 and closes at 18:00. A family want to fit in all the activities below, as well as a 45 minute food break during the day.

Holiday Camp Activity Timetable						
Abseiling (1 hour)	Kayaking (30 mins)	Archery (15 mins)	Laser Battle (45 mins)	Quad-Biking (30 mins)	Crazy Golf (30 mins)	Caving (120 mins)
09:00	09:30	10:30	13:30	10:00	09:30	09:30
09:30	10:00	10:45	14:15	11:00	10:15	11:00
10:00	11:00	11:00	15:00	12:00	11:00	12:30
11:00	12:00	11:30	15:45	12:30	12:00	14:00
12:00	13:00	12:00	16:30	13:00	13:30	15:30
12:30	14:30	12:30		13:30	14:15	
13:30	15:30	13:30		14:00	15:00	
14:30	16:00	14:30		15:00	15:30	
15:30	16:15	15:30		16:00	16:00	
16:30	16:30	16:00		16:00	16:30	
17:00					17:00	

If the family arrive at 09:00 and it takes 5 minutes to walk between each of the activities, how can they make sure they fit everything in?