

# Odd One Out

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

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

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

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

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

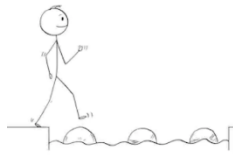
$$\frac{1}{4} \quad \frac{1}{8}$$

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

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

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

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



**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
Wee	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;  $163 + 132 = 295$ .  $352 - 295 = 57$ .



1. How long does it take to get from:
    - a) Swords to Santry? **20 minutes**
    - b) Drumcondra to O'Connell Street? **5 minutes**
    - c) Ringsend to Sandymount? **10 minutes**
  
  2. How long does it take to get from:
    - a) Santry to Ringsend? **35 minutes**
    - b) O'Connell Street to Sandymount? **25 minutes**
    - c) Swords to Sandymount? **1 hour and 5 minutes**
- 

Use the timetables to answer the following questions.

<b>Cinema Times</b>		
<b>Film</b>	<b>Time</b>	<b>Duration</b>
The Fairy Tree	<b>4:00 p.m.</b>	<b>70 minutes</b>
Charlie's Day Out	<b>6:30 p.m.</b>	<b>100 minutes</b>
Galaxy Warriors	<b>7:15 p.m.</b>	<b>105 minutes</b>
The Dealbreaker	<b>9:00 p.m.</b>	<b>120 minutes</b>

Calculate the duration of the films in hours and minutes.

- a) Charlie's Day Out  
**1 hour and 40 minutes**
  - b) Galaxy Warriors  
**1 hours and 45 minutes**
  - a) The Dealbreaker  
**2 hours and 0 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?  
**11:00 p.m.**

**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	149	212	156	292	809
Girls	172	296	298	146	912

**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?

Various answers, for example:

How much rainfall was there in October altogether? 190.1mm

Which place had the highest rainfall for April and July? Glasgow, with 121mm

DP

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.

Virgil can be in Longston for 13:00 if he takes the 10:03 bus to Huddersholme or Kingston Square, and then the 10:21 or 11:50 train. Jordan will not be able to make it as the earliest he can get to Longston is 15:42.

X56 Bus					East-line Train				
Upper Skeldale	.....	09:26	.....	11:36	Hove Green	10:06	11:15	.....	13:16
Bradwood	09:12	09:42	.....	.....	Wychurch	.....	.....	12:12	.....
Halifield	09:31	.....	10:46	.....	Newton Nook	.....	11:35	12:26	.....
Lintonworth	.....	10:10	10:55	.....	Huddersholme	10:21	.....	.....	13:52
Wychurch	09:52	10:22	11:07	12:15	Kingston Square	10:46	11:50	13:02	14:12
Hyken Heath	10:03	.....	11:18	.....	Chickenham	.....	.....	13:32	.....
Huddersholme	10:15	10:45	11:30	12:35	West Waterton	.....	12:26	13:47	.....
Sheffeham	10:27	10:57	11:43	.....	Kirk Hill	.....	.....	13:56	15:06
Kingston Square	10:48	.....	.....	12:56	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.

Various answers, for example: If they wanted to be in Longston by 16:00, Virgil could take the 11:18 bus to Huddersholme and Jordan could take the 11:36 bus to Huddersholme. They could then take the 13:52 train to Longston which arrives at 15:42.

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?

Various answers, for example: Allowing time to walk between activities, they can start with kayaking 09:30-10:00, archery 10:30-10:45, caving 11:00-12:30, quad-biking 13:00-13:30, lunch 13:35-14:20, abseiling 14:30-15:30, laser battle 15:45-16:30 and crazy golf 17:00-17:30.