

**Starter**

1. Write the place value for the underlined digit:

932 <u>6</u>	6
40 <u>6</u> 8	60
<u>3</u> 606	3000
<u>6</u> 044	6000
<u>3</u> 688	3000
42 <u>3</u> 2	30

2. Rewrite in Descending order

a) 3841, 8918, 4259

8918      4259      3841  
\_\_\_\_\_

b) 3395, 3593, 3935

3935      3593      3395  
\_\_\_\_\_

c) 2030, 2300, 2003

2300      2030      2003  
\_\_\_\_\_



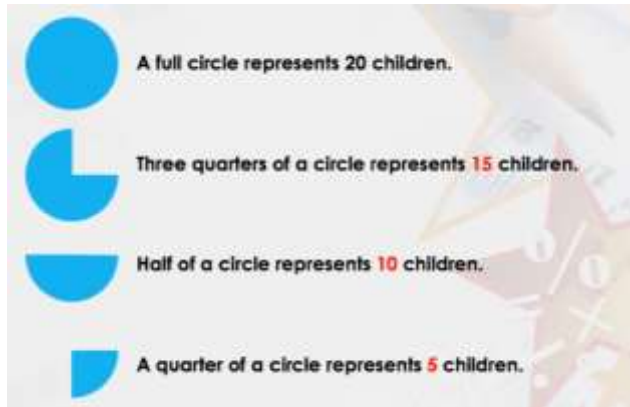
**Summer week 7 Lesson 3 – 10.06.20**

**LO: To use comparative, sum and difference when looking at data**

**Success Criteria:**

- |  |
|--|
| 1. If you are looking at a pictogram check how many each picture represents      |
| 2. If you are looking at a bar graph look at the scale on the Y (vertical) axis. |
| 3. Underline the key words in the question.                                      |

**Model**

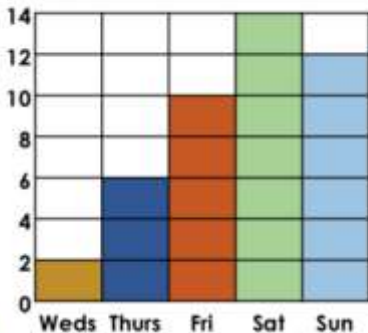


Activity	Number of votes
Bowling	9
Cinema	10
Swimming	7
Ice-skating	14

How many voted altogether?  
 $9 + 10 + 7 + 14 = 40$   
 ¼ of the people voted for.....?  
 $40 \text{ divided by } 4 = 10$   
 7 more people voted for ice-skating than swimming  
 $(14 - 7 = 7)$

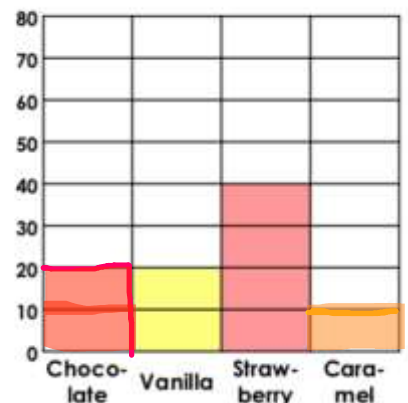
**Now try these:**

6 Use this bar chart to answer the questions about the number of diners in a restaurant.



- A. How many diners were there on Thursday? **6**
- B. How many fewer diners were there on Wednesday compared to Sunday?  **$12 - 2 = 10$**
- C. How many diners were there at the weekend?  **$14 + 12 = 26$**
- D. How many diners were there in total?  **$2 + 6 + 10 + 14 + 12 = 44$**

4b. Use the information to complete the pictogram and the bar chart.



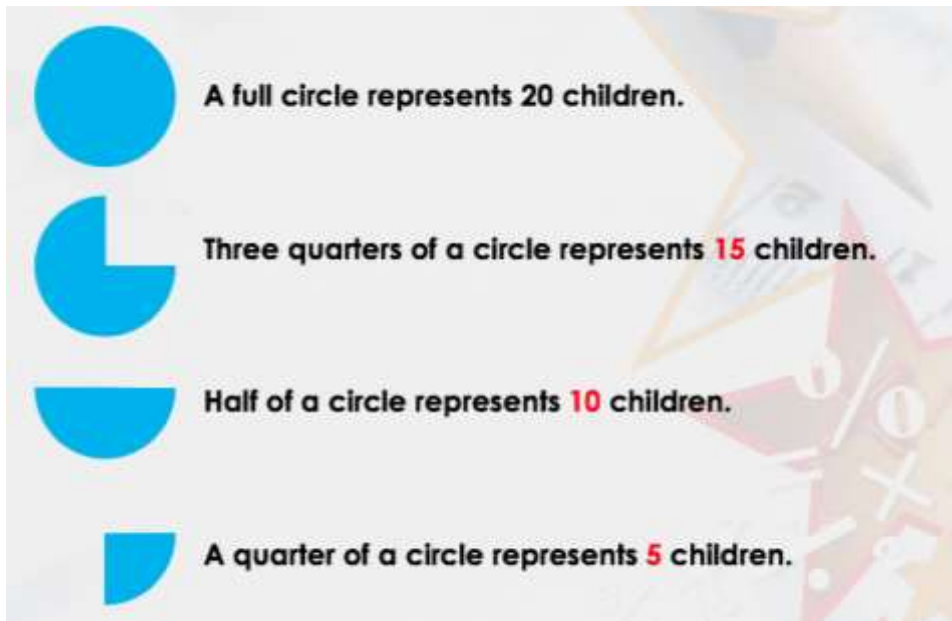
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**Model:**



Example questions:

1. Which two types of fish make up 225 of the fish altogether?
2. How many more Carp are there than Trout?
3. Sort the fish from fewest to most?
4. How many fish are there altogether?
5. If 75 more trout were added to the aquarium how many Bream and Trout would there be altogether?

**Mild**

- 4a. 230; Swimming, Yoga, Karate, Badminton
- 5a. 20, 20
- 6a. 25; cherry and blueberry

- 4b. 300; Holly, Oak, Ash, Birch
- 5b. 30, 10
- 6b. 15; lake and marsh

<p><b>4a. Use the table to calculate the number of people who voted.</b></p> <p><i>Favourite Activities at Luna Leisure Centre</i></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 70%;">Activity List</th> <th style="width: 30%;">Votes</th> </tr> </thead> <tbody> <tr> <td>Swimming</td> <td>80</td> </tr> <tr> <td>Yoga</td> <td>60</td> </tr> <tr> <td>Badminton</td> <td>40</td> </tr> <tr> <td>Karate</td> <td>50</td> </tr> </tbody> </table> <p>Sort the activities in order from the most to least popular.</p> <p style="text-align: right; font-size: small;">4 VF</p>	Activity List	Votes	Swimming	80	Yoga	60	Badminton	40	Karate	50	<p><b>4b. Use the table to calculate the number of leaves collected on the forest trail.</b></p> <p><i>Leaves Collected on Forest Trail</i></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 50%;">Leaves</th> <th style="width: 50%;">Number</th> </tr> </thead> <tbody> <tr> <td>Oak</td> <td>90</td> </tr> <tr> <td>Birch</td> <td>50</td> </tr> <tr> <td>Holly</td> <td>100</td> </tr> <tr> <td>Ash</td> <td>60</td> </tr> </tbody> </table> <p>Sort the types of leaves in order from the most to least common.</p> <p style="text-align: right; font-size: small;">4 VF</p>	Leaves	Number	Oak	90	Birch	50	Holly	100	Ash	60
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<p><b>5a. Complete the sentences below.</b></p> <p><i>Time Spent on Homework</i></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center; margin-top: 10px;"> <thead> <tr> <th>Activity</th> <th>Minutes</th> </tr> </thead> <tbody> <tr> <td>Reading</td> <td>30</td> </tr> <tr> <td>Spellings</td> <td>20</td> </tr> <tr> <td>Maths</td> <td>40</td> </tr> <tr> <td>Topic</td> <td>50</td> </tr> </tbody> </table> <p>There were _____ more minutes of Maths than Spellings. Reading took _____ fewer minutes than Topic.</p> <p style="text-align: right; font-size: small;">4 VF</p>	Activity	Minutes	Reading	30	Spellings	20	Maths	40	Topic	50	<p><b>5b. Complete the sentences below.</b></p> <p><i>KS2's Favourite Ice Cream Flavours</i></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center; margin-top: 10px;"> <thead> <tr> <th>Flavour</th> <th>Votes</th> </tr> </thead> <tbody> <tr> <td>Chocolate</td> <td>60</td> </tr> <tr> <td>Vanilla</td> <td>30</td> </tr> <tr> <td>Strawberry</td> <td>50</td> </tr> <tr> <td>Mint</td> <td>40</td> </tr> </tbody> </table> <p>Chocolate beat Vanilla by _____ votes. Strawberry was _____ votes behind the winner.</p> <p style="text-align: right; font-size: small;">4 VF</p>	Flavour	Votes	Chocolate	60	Vanilla	30	Strawberry	50	Mint	40
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<p><b>6a. Calculate the difference between the number of apple and pumpkin pies sold.</b></p> <p><i>Pies sold at a bake sale</i></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tbody> <tr> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> <tr> <td>Apple</td> <td>Blueberry</td> <td>Cherry</td> <td>Pumpkin</td> </tr> </tbody> </table> <p style="text-align: center; margin-top: 10px;">● = 10 pies</p> <p>Which two types of pie were bought by 40 people altogether?</p> <p style="text-align: right; font-size: small;">4 VF</p>					Apple	Blueberry	Cherry	Pumpkin	<p><b>6b. Calculate the difference between the frogs found in the pond and the river.</b></p> <p><i>Areas where frogs were found in a National Park</i></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tbody> <tr> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> <tr> <td>Pond</td> <td>River</td> <td>Lake</td> <td>Marsh</td> </tr> </tbody> </table> <p style="text-align: center; margin-top: 10px;">● = 10 frogs</p> <p>In which two areas were 35 frogs found altogether?</p> <p style="text-align: right; font-size: small;">4 VF</p>					Pond	River	Lake	Marsh				
Apple	Blueberry	Cherry	Pumpkin																		
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**Spicy**

7a. 265,000; Theme Park, Zoo Gardens, Water Park, Safari Park

8a. 15, 5

9a. 125 miles; A and B

7b. 44; Cheese, Ham, Egg, Tuna

8b. 15,000; 5,000

9b. 100; pike and carp

7a. Use the table to calculate the number of people who visited the attractions.

*Number of Visitors in May*

Attraction	Visitors (thousands)
Theme Park	85
Safari Park	45
Water Park	60
Zoo Gardens	75

Sort the attractions in order from the most to least popular.



4 VF

7b. Use the tally chart to calculate the total number of sandwiches sold.

*Sandwiches Sold at Lunchtime*

Fillings	Number Sold
Cheese	
Egg	
Ham	
Tuna	

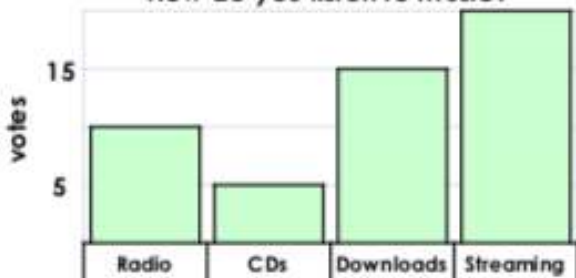
Sort the sandwich fillings in order from the most to least common.



4 VF

8a. Complete the sentences below.

*How do you listen to music?*



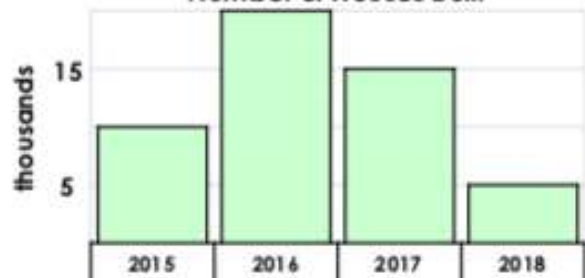
There were \_\_\_\_\_ more votes for streaming than CDs. Radio was \_\_\_\_\_ votes behind downloads.



4 VF

8b. Complete the sentences below.

*Number of Houses Built*



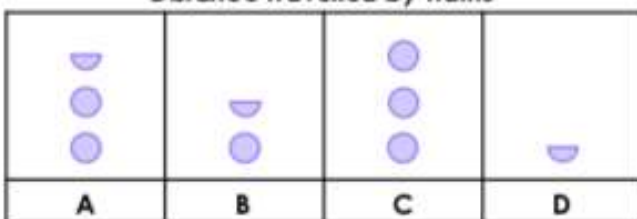
In 2016, \_\_\_\_\_ more houses were built than in 2018. In 2015, \_\_\_\_\_ fewer houses were built than in 2017.



4 VF

9a. Calculate the difference between the distance trains C and D travelled.

*Distance Travelled by Trains*



= 50 miles

Which two trains travelled 200 miles altogether?

9b. Calculate the difference between the number of carp and trout.

*Types of fish at the Aquarium*



= 50 fish

Which two types of fish make up 225 of the fish altogether?

## Red Hot

1. Decide on some data that you would like to collect, for example: books by different authors on your shelf at home, number of cars of different colours that pass your house etc
2. Collect and record the data in a table.
3. Choose a **pictogram or a bar chart** to represent your data, giving reasons for your choices.
4. What questions can you ask about the data?

Remember to think of questions that involve some calculation (addition or subtraction), need some sorting or that compare different things- see model for some ideas.

5. Get an adult or sibling to answer your questions.