

Data



<https://wordwall.net/resource/10690729>

Water
Graphs
Facts
Charts

Start ...





Activity 1 Interactive

Complete the wordsearch to find the keywords.

DATA	PATTERNS	CHARTS	PREDICTIONS
CLASSIFY	SPREADSHEET	GRAPHS	RELATIONSHIPS
C E E R M G R Q U P F H F L G	C E E R M G R Q U P F H F L G	C E E R M G R Q U P F H F L G	C E E R M G R Q U P F H F L G
L A Y Z W I G B E V U P V W H Y F	L A Y Z W I G B E V U P V W H Y F	L A Y Z W I G B E V U P V W H Y F	L A Y Z W I G B E V U P V W H Y F
A S Q U A I G Z R L J B S X T R N T	A S Q U A I G Z R L J B S X T R N T	A S Q U A I G Z R L J B S X T R N T	A S Q U A I G Z R L J B S X T R N T
S B S Q Q R O I D O T C I U M N W S	S B S Q Q R O I D O T C I U M N W S	S B S Q Q R O I D O T C I U M N W S	S B S Q Q R O I D O T C I U M N W S
S W T Q R E M C O L B X T O Z S T	S W T Q R E M C O L B X T O Z S T	S W T Q R E M C O L B X T O Z S T	S W T Q R E M C O L B X T O Z S T
I F W V E R E M C O L B X T O Z S T	I F W V E R E M C O L B X T O Z S T	I F W V E R E M C O L B X T O Z S T	I F W V E R E M C O L B X T O Z S T
Y O M H W M N A I E H L E V T E U L	Y O M H W M N A I E H L E V T E U L	Y O M H W M N A I E H L E V T E U L	Y O M H W M N A I E H L E V T E U L
S P R E A M D S H L T H N E V T E U L	S P R E A M D S H L T H N E V T E U L	S P R E A M D S H L T H N E V T E U L	S P R E A M D S H L T H N E V T E U L
G R I N F W T I P F N T H U L K R V	G R I N F W T I P F N T H U L K R V	G R I N F W T I P F N T H U L K R V	G R I N F W T I P F N T H U L K R V
T L Q X I L H P O S A T N E V T E U L	T L Q X I L H P O S A T N E V T E U L	T L Q X I L H P O S A T N E V T E U L	T L Q X I L H P O S A T N E V T E U L
E R B I M A S Y B R N J P A T N E V T E U L	E R B I M A S Y B R N J P A T N E V T E U L	E R B I M A S Y B R N J P A T N E V T E U L	E R B I M A S Y B R N J P A T N E V T E U L
P Q M A S Y B R N J P A T N E V T E U L	P Q M A S Y B R N J P A T N E V T E U L	P Q M A S Y B R N J P A T N E V T E U L	P Q M A S Y B R N J P A T N E V T E U L

Student feedback ☆☆☆

4 LIVE WORKSHEETS

Data

- **Data** is information or facts that we collect to learn more about something. It can be numbers, words, or pictures that help us understand things better. For example, if we ask our classmates their favorite color and write down their answers, that's data! We can use this data to make charts and learn what color is most popular.

More ... 





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Collect Data from your class

Data



Collect data from your class.

1 How many pupils are in your class?

2 How many pupils in your class travel to school by car?

3 How many pupils in your class travel to school by bus?

4 How many pupils in your class travel to school a different way?





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Activity 3

Data Handling

Activity 3

Look at the two charts below.

Resource Colours in Cycle 3

Colour	Count
Red	25
Green	20
Blue	22
Pink	18

Favourite Colours in Cycle 2

Colour	Count
Red	28
Yellow	15
Blue	30
Pink	18
Green	25
Purple	20
Grey	22

Can you identify any relationships between the charts?

Can you identify any relationships between the charts?

What is different between the two charts?

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Student Feedback:





Activity 4 Worksheet Name _____ Class _____

Grade 4 Name _____ Unit 3: Data and Patterns Week 7: Activity 4 page 53

Excel

1. Open Excel

2. Create this spreadsheet by writing in the formula box.

Write the questions; How do you come to school?

Enter the data in to the cells, boxes.

What is the most popular transport to school?

3. Copy the table by SELECTING THE CELLS,

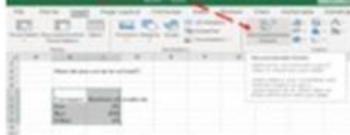
Transport	Number of students
Car	25
Bus	100
Other	15



Activity 4   **Worksheet** Name _____ Class _____

Grade 4 _____ Name _____ Unit 3-Data and Patterns Week 7 Activity 4 page 53

4. Click **INSERT – CHART**



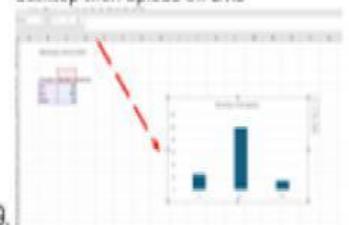
5. Create a bar graph



7. Write your name under the chart

Challenge

8. You can place this on LMS – Save file and place on the desktop then upload on LMS



9. What is the most popular transport to school?





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Activity 4 THEORY

Activity 4 Lab

Watch the video. Follow the steps in the video to complete the task in Excel.

Activity 5 Lab

Create a bar chart to display the data collected in Activity 2.

Create a new **Spreadsheet document** to input the data to the computer.

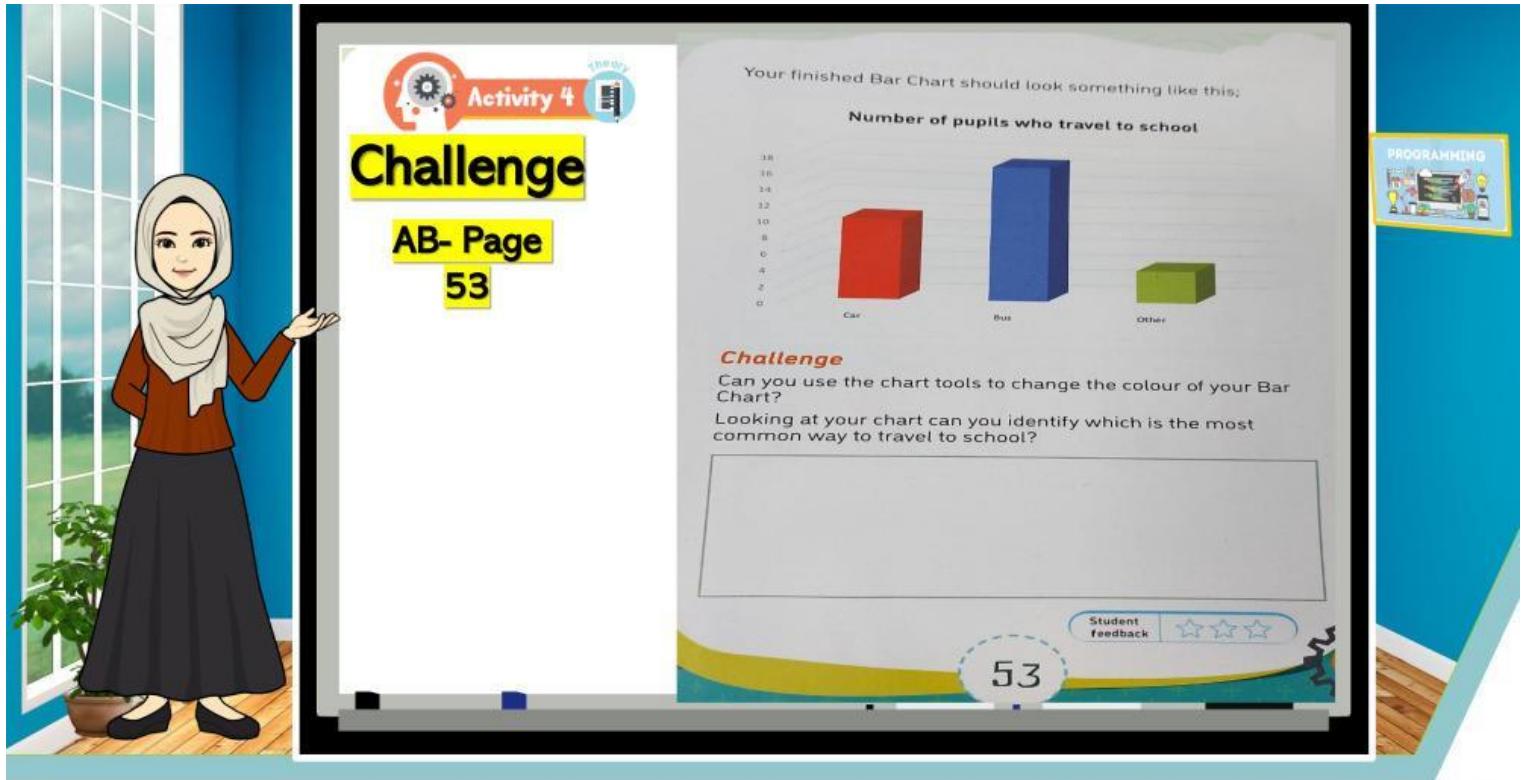
Double click on a cell so you can use the keyboard to input **text or numbers**:

	A	B	C	D	E
1					
2					
3					
4					
5					
6					

Keep inputting text and numbers until you have inputted all the data from the table you completed in the book. The example below shows different data set:

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PROGRAMMING



Activity 4

Challenge

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Your finished Bar Chart should look something like this;

Number of pupils who travel to school

Travel Method	Number of Pupils
Car	12
Bus	16
Other	4

Challenge

Can you use the chart tools to change the colour of your Bar Chart?

Looking at your chart can you identify which is the most common way to travel to school?

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Student feedback: ★★★

PROGRAMMING

Visualisation

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To create a Bar Chart click hold and drag to select the data you need as shown below;

Ways to travel to school	Car	Bus	Other
Number of pupils who travel to school	10	17	4

With the data selected click the Insert tab from the menu;



From the Insert tab select the Bar Chart icon and choose a design from the available styles. This example uses a '3D Stacked Column' design;



Visualisation

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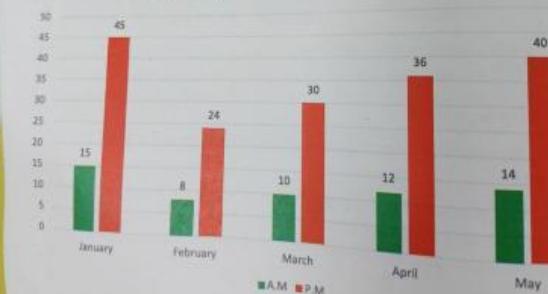
Data Visualisation Patterns

Activity 6

Look at bar chart below. Discuss with your class and teacher.

Use the bar chart to help answer the following questions.

Average Daily Visitors Yas Mall (in thousands)



Visualisation

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What is the busiest month for visitors?

What is the least busy month for visitors?

What is the most popular time to visit the mall? (A.M. or P.M.)

What predictions can you make about the summer months based on the patterns in the bar chart?

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Student
Feedback

LIVEWORKSHEETS