



Science Virtual Learning

6th Grade Science: Charts and Tables

April 27, 2020



6th Grade Science

Lesson: April 27, 2020

Objective/Learning Target:

- Students will interpret data tables and charts to identify relationships.

Essential Question:

- How do we collect and display data in an experiment?

Warm-Up

Q: What is data?

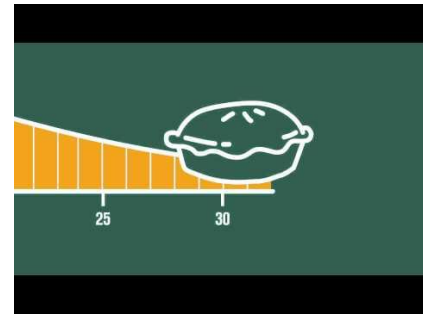


Warm-Up **Possible Answers:**

Q: What is data?

A: Data are observations such as, measurements, facts, figures or descriptions collected and written down during an experiment.

Before moving to the next slide, watch this video on using charts and graphs.



Warm-Up

What data were gathered for the experiment shown on the table to the right?

What was the person who made this table trying to test?

Number of Cricket Chirps per Minute at Different Temperatures (°C)

Cricket	15°C	20°C	25°C
1	91	135	150
2	80	124	169
3	89	130	176
4	78	125	158
5	77	121	168
Average	83	127	168

Warm-Up Answer

The data collected were the number of chirps per minute.

The person was trying to test whether temperature had any effect on how many times a cricket chirps.

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Practice 1

- Complete activities 1-3 of the online practice: [Reading Charts and Graphs](#).

READING CHARTS AND GRAPHS: ACTIVITY 1 OF 3

[◀ PREVIOUS ACTIVITY](#) [NEXT ACTIVITY ▶](#) [DICTIONARY](#) [CALCULATOR](#)

Directions

Look at the bar graph on the left. Can you tell what the bar graph measures?

Kilowatts used by appliances
 Hours appliance used per day
 Total electricity per year
 Hours appliance used monthly

[SUBMIT ANSWER](#)

[◀ INTRODUCTION](#) Question 1 of 10 [NEXT ▶](#)

Appliance	Weekday (Average Hours)	Weekend (Average Hours)
Lights	12	18
TV	4	8
Computer	2	10
Fridge	24	24
Heater	8	13
Other	5	11



Practice 2

1. Complete the [practice worksheet](#) on reading a data table. Write your answers on a sheet of paper.
2. Once complete check your answers using the answer key (Answers are on the second page of the worksheet link above).



Summary/Reflection

- Data are observations collected during an experiment.
- Data tables represent these observations.
- Pay attention to units of measurement.
- Look for patterns or trends on the data table.

Additional Practice

Quizizz on Data Tables

Khan Academy Video: Reading a Table

Music preference	Male	Female	Total
Rock and roll	8	8	16
Pop	14	13	27
Classical	5	8	13
Rap	4	6	10
Country and western	2	2	4
Rhythm and blues	2	0	2
Total	35	37	72

$$\frac{4}{35}$$

A total of 72 people participated in a survey about their music preferences. The results, separated by gender, are displayed above. According to the survey, what is the probability that a male likes rap music?