

Luna's Space Adventure

Grade 3 · Frequency tables · 3.8A

Name _____

Date _____



Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

Make a frequency table

Favorite fruit: banana, apple, apple, pear, banana, grape, pear, pear, apple, banana, grape, pear, pear, apple, pear.

Favorite fruit	Frequency
Apple	
Banana	
Grape	
Pear	

Read the table A class answered one question. The frequency is how many said each.

Favorite color	Frequency
Red	20
Blue	14
Green	19
Yellow	18

- How many answers in all? _____
- How many more chose Green than Yellow? _____
- How many chose Blue or Red? _____
- Which was chosen most? _____

Story time

- ① Ben's table shows 12 votes for soccer, 4 for tennis and 4 for chess. How many more voted for soccer than for tennis and chess together?

.....

_____ votes

Luna's Space Adventure

Grade 3 · Frequency tables · 3.8A

ANSWER KEY



Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

Make a frequency table

Favorite fruit: banana, apple, apple, pear, banana, grape, pear, pear, apple, banana, grape, pear, pear, apple, pear.

Favorite fruit	Frequency
Apple	4
Banana	3
Grape	2
Pear	6

Read the table A class answered one question. The frequency is how many said each.

Favorite color	Frequency
Red	20
Blue	14
Green	19
Yellow	18

How many answers in all?

71

How many more chose Green than Yellow?

1

How many chose Blue or Red?

34

Which was chosen most?

Red

Story time

- ① Ben's table shows 12 votes for soccer, 4 for tennis and 4 for chess. How many more voted for soccer than for tennis and chess together?

$4 + 4 = 8$, then $12 - 8 = 4$

4 votes



Luna's Space Adventure

Grade 3 · Frequency tables · 3.8A

GUIDE

1 What this sheet practises

Making a frequency table from a list of answers, and solving one- and two-step problems from a table: how many in all, how many more, which was chosen most.

2 A problem from the sheet, worked out

Read the table A class answered one question. The frequency is how many said each.

Favorite color	Frequency
Red	20
Blue	14
Green	19
Yellow	18

How many answers in all?

71

How many more chose Green than Yellow?

1

How many chose Blue or Red?

34

Which was chosen most?

Red

How: To make a table, take each answer in turn and tally it; then count the tallies. To answer a question, find the rows it names, then add or subtract.

3 Words to know

frequency how many times an answer comes up

frequency table a table of answers and how often each came up

tally a mark for each answer, in bundles of five

data the answers collected

4 Watch for

- Skipping or double-counting an answer in the list.
- Adding when the question asks how many more.
- Answering a two-step question after one step.

5 Where it fits

BEFORE

2.MD.D.10

Draw picture graphs and bar graphs with up to four categories.

THIS SHEET

3.8A

Show data in a frequency table, dot plot, pictograph or bar graph with a scale.

NEXT

4.MD.B.4

Make line plots with fractional measurements and use them to solve problems.

6 Helping at home

Ask the family a question (favorite snack?) and make a frequency table of the answers together.

