

Luna's Space Adventure

Grade 4 · Choosing and cleaning data · NJ.4.DL.A.2

Name _____

Date _____



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

Use only the rows you need

Each question is about part of the data. Find those rows first.

Name	Grade	Pet	Books read
Jay	4	fish	9
Ben	3	dog	1
Dev	4	cat	2
Iris	3	dog	3
Ava	3	fish	3

How many grade 4 students are in the table? _____

How many grade 4 students chose a dog? _____

How many books did the grade 4 students read in all? _____

What does the data say? Two classes chose a favorite pet. Use the table to answer.

Pet	Class A	Class B
dog	7	4
cat	3	7
fish	5	6

How many children answered in Class A? _____

How many more children answered in one class than the other? _____

Which class has more dog fans? _____

Does the table say which pet the school likes best? (yes or no) _____

Plan the data Circle the best way to collect data for each question.

Which sport do the students in our class like best? **measure** **survey** **look it up**

How many minutes does each friend read at home? **measure** **survey** **look it up**

How much rain fell in our town each month last year? **survey** **measure** **look it up**

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ANSWER KEY



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Jay	4	fish	9
Ben	3	dog	1
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How many grade 4 students are in the table? 2

How many grade 4 students chose a dog? 0

How many books did the grade 4 students read in all? 11

What does the data say?

Two classes chose a favorite pet. Use the table to answer.

Pet	Class A	Class B
dog	7	4
cat	3	7
fish	5	6

How many children answered in Class A? 15

How many more children answered in one class than the other? 2

Which class has more dog fans? Class A

Does the table say which pet the school likes best? (yes or no) no

Plan the data

Circle the best way to collect data for each question.

Which sport do the students in our class like best? measure survey look it up

How many minutes does each friend read at home? measure survey look it up

How much rain fell in our town each month last year? survey measure look it up



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GUIDE

1 What this sheet practises

Choosing the rows of a data set a question needs, cleaning data typed in different ways, and picking the best way to collect data for a question.

2 A problem from the sheet, worked out

Plan the data Circle the best way to collect data for each question.

Which sport do the students in our class like best?	measure	survey	look it up
How many minutes does each friend read at home?	measure	survey	look it up
How much rain fell in our town each month last year?	survey	measure	look it up

How: Decide how to collect: ask people, measure, or look it up. Then use only the rows a question is about, and make every entry a number before adding.

3 Words to know

data set all the information collected

entry one answer in the table

missing data an entry left blank

survey asking people a question to collect data

4 Watch for

- Using every row when the question is about only some.
- Adding an entry written as a word without changing it to a number.
- Counting a blank entry as zero instead of as missing.

5 Where it fits

BEFORE

3.MD.B.3

Draw scaled picture and bar graphs and answer how-many-more questions.

THIS SHEET

4.DL.A.2

Plan how to collect different kinds of data and organize it digitally.

NEXT

5.MD.B.2

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

6 Helping at home

Keep a week's list of how many minutes each person reads, then ask questions about only the weekdays.

