

Grade 2 - Picture Graphs, Bar Graphs and Line Plots - Worksheet

Common Core 2.MD.D.9, 2.MD.D.10 · maths-pdf.fr/en/

Name: _____ Class: _____ Date: ____/____/____

This **grade 2 data worksheet** for 2nd Grade covers picture graphs, bar graphs and line plots (Common Core 2.MD.D.9, 2.MD.D.10), with a free PDF to print.

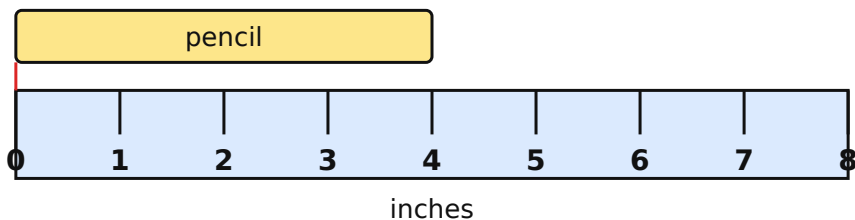
These 24 problems practice measuring in inches, making and reading line plots, and reading picture graphs and bar graphs with up to four categories (standards 2.MD.D.9 and 2.MD.D.10).

Read the key or the scale first. Add to put groups together and subtract to compare. The last six problems use more than one step.

Grade 2 · Common Core State Standards: **2.MD.D.9, 2.MD.D.10**

Grade 2 data worksheet: exercises 1 to 10

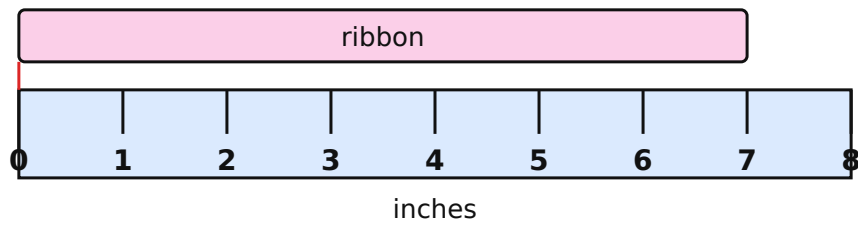
Exercise 1 - Read the ruler



A pencil next to a ruler.

Find the length of the pencil in inches.

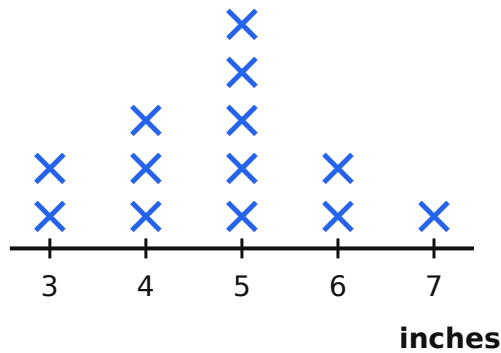
Exercise 2 - Measure the ribbon



A ribbon next to a ruler.

How long is the ribbon?

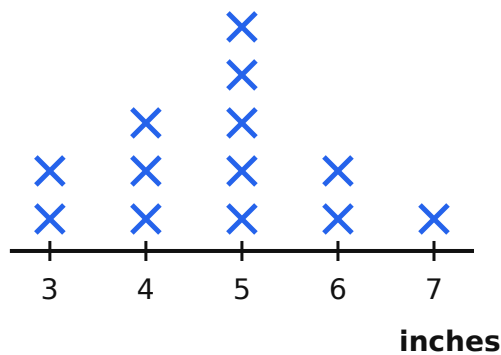
Exercise 3 - Shells that are 5 inches



Mei measured the shells she found at the beach.

How many shells are 5 inches long?

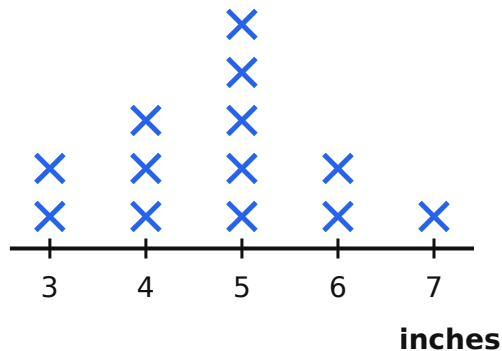
Exercise 4 - Count all the shells



Mei measured the shells she found at the beach.

How many shells did Mei measure in all?

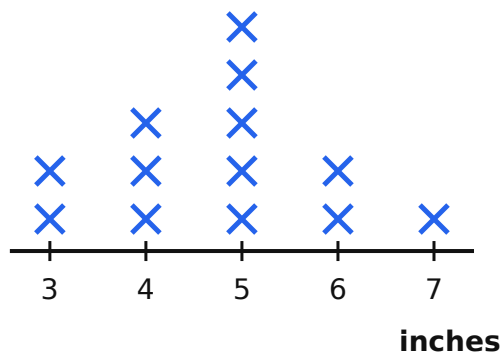
Exercise 5 - Longest and shortest



Mei measured the shells she found at the beach.

What is the length of the longest shell? What is the length of the shortest shell?

Exercise 6 - Shorter than 5 inches



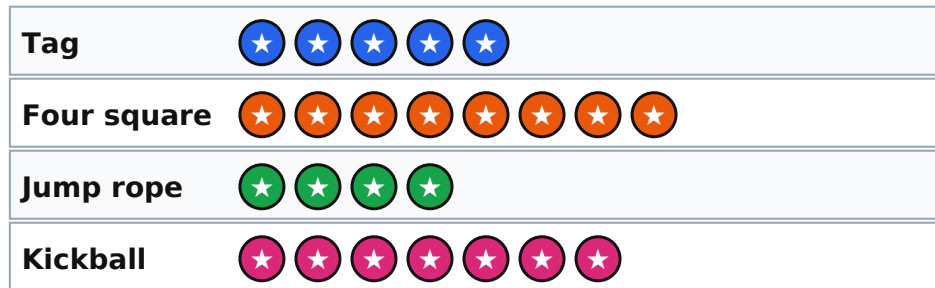
Mei measured the shells she found at the beach.

How many shells are shorter than 5 inches?

Exercise 7 - Make a line plot

Jamal measured 10 ribbons in inches: 6, 4, 5, 6, 7, 4, 6, 5, 6, 3. Make a line plot with the numbers 3 to 7. Then tell how many ribbons are 6 inches long.

Exercise 8 - Most popular game

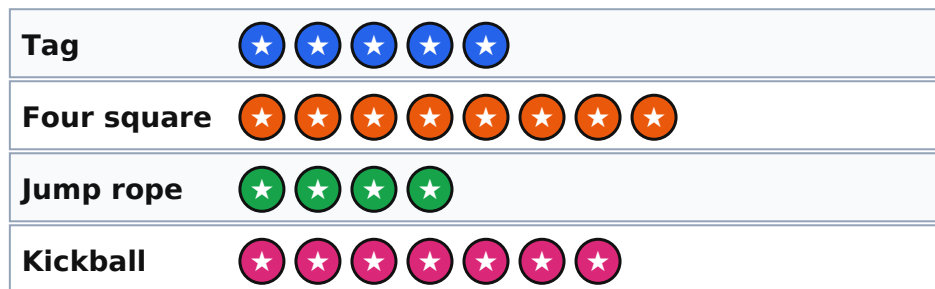


 Key: each circle = 1

Children chose their favorite recess game.

Which game did the most children choose?

Exercise 9 - Count one row

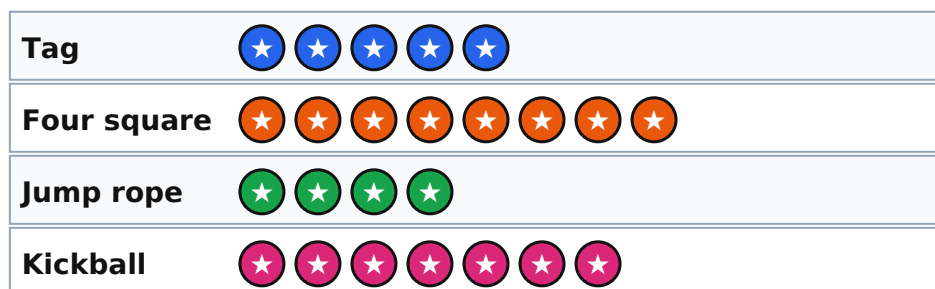


 Key: each circle = 1

Children chose their favorite recess game.

How many children chose tag?

Exercise 10 - Kickball and jump rope



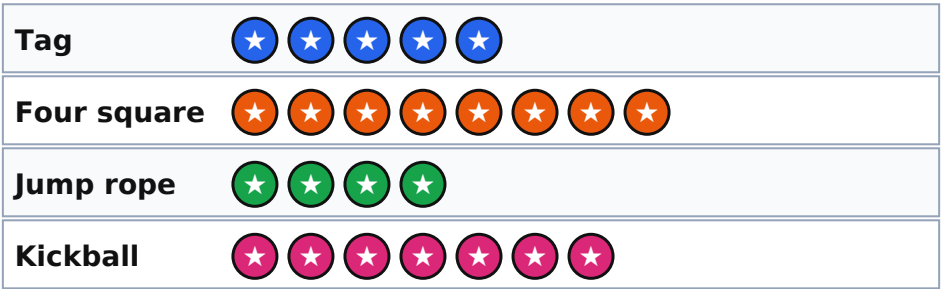
 Key: each circle = 1

Children chose their favorite recess game.

How many more children chose kickball than jump rope?

Exercises 11 and up

Exercise 11 - All the children

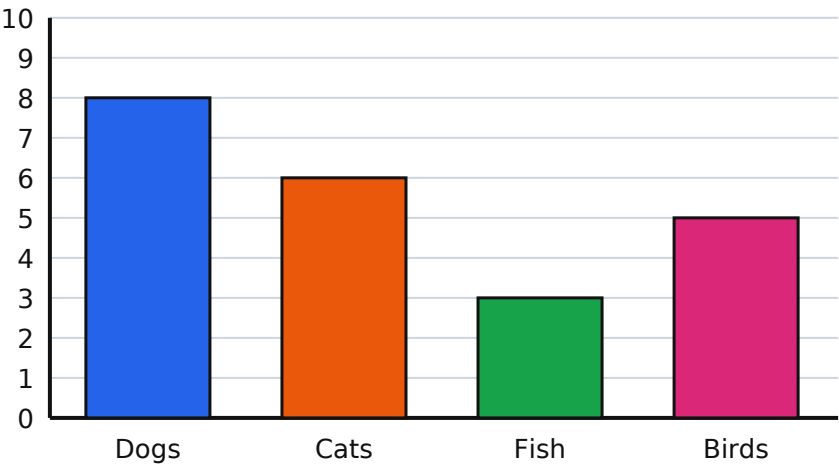


 Key: each circle = 1

Children chose their favorite recess game.

How many children answered the question in all?

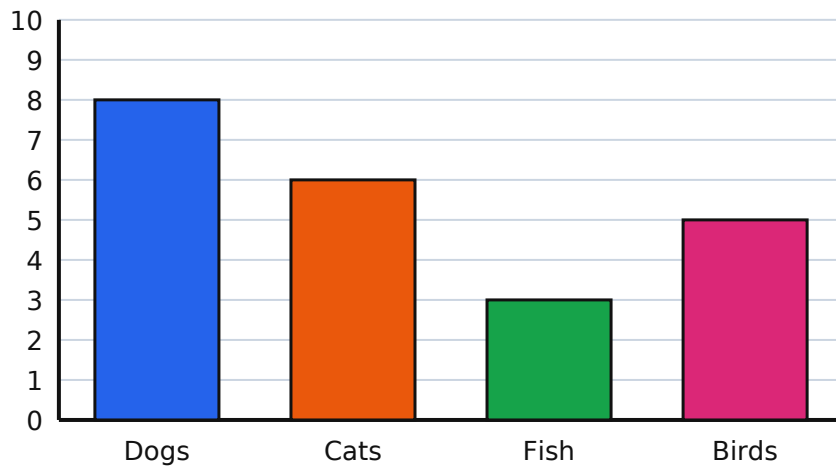
Exercise 12 - Read the bar



Pets owned by children in Room 5.

How many cats are in the graph?

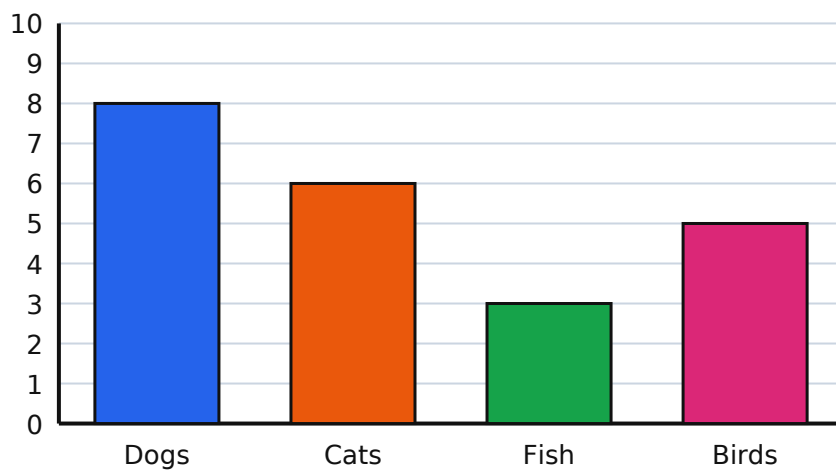
Exercise 13 - Fewest pets



Pets owned by children in Room 5.

Which pet has the shortest bar? How many are there?

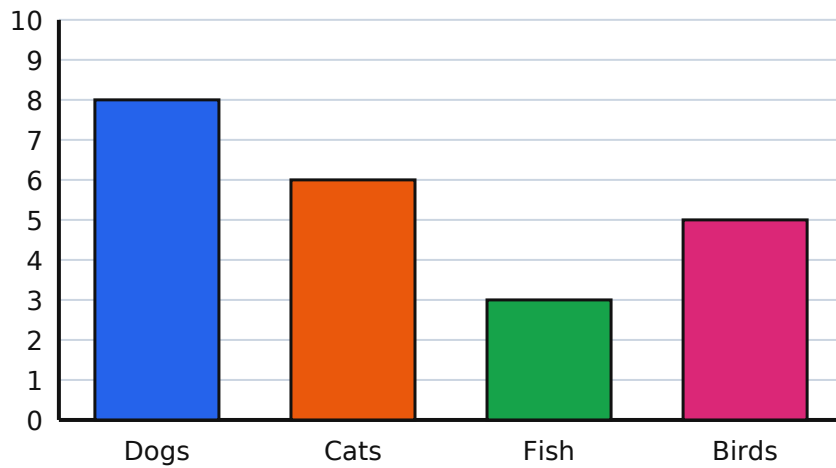
Exercise 14 - Dogs and birds



Pets owned by children in Room 5.

How many more dogs than birds are there?

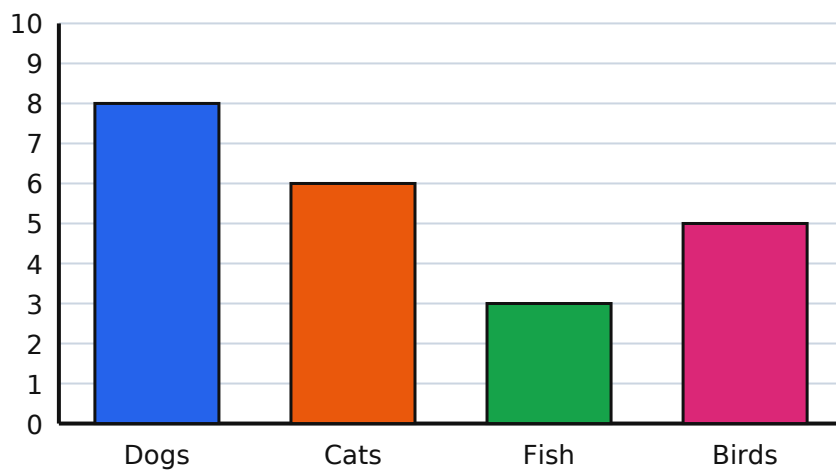
Exercise 15 - Cats and fish



Pets owned by children in Room 5.

How many cats and fish are there together?

Exercise 16 - Fewer fish



Pets owned by children in Room 5.

How many fewer fish than dogs are there?

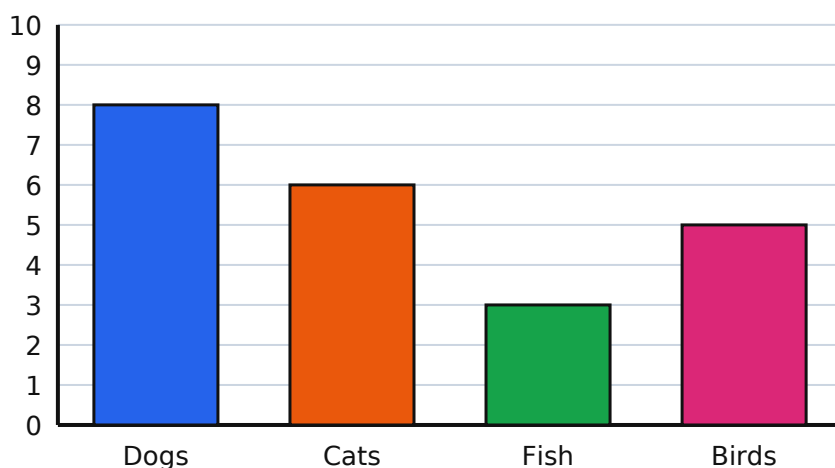
Exercise 17 - Draw a bar graph

Saturday activity	Children
Soccer	5
Swim	7

Saturday activity	Children
Art	4
Chess	2

Draw a bar graph for the table. Then find how many more children chose swim than art.

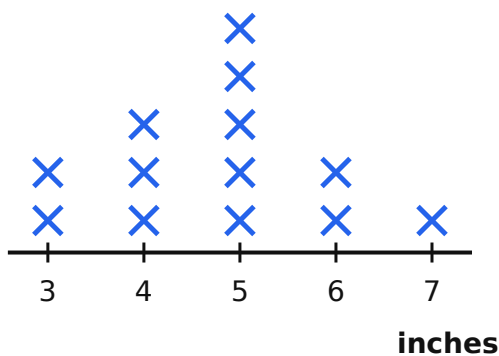
Exercise 18 - Not dogs



Pets owned by children in Room 5.

Every pet in the graph is a dog, a cat, a fish or a bird. How many pets are not dogs?

Exercise 19 - Five inches or longer



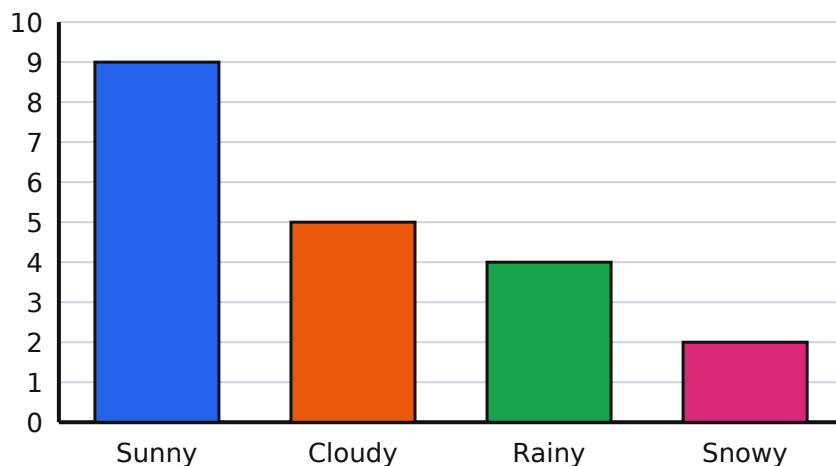
Mei measured the shells she found at the beach.

How many shells are 5 inches or longer?

Exercise 20 - Sprout heights

Priya measured 10 bean sprouts in inches: 2, 3, 3, 4, 3, 5, 2, 3, 4, 3. Make a line plot with the numbers 2 to 5. How many more sprouts are 3 inches tall than 5 inches tall?

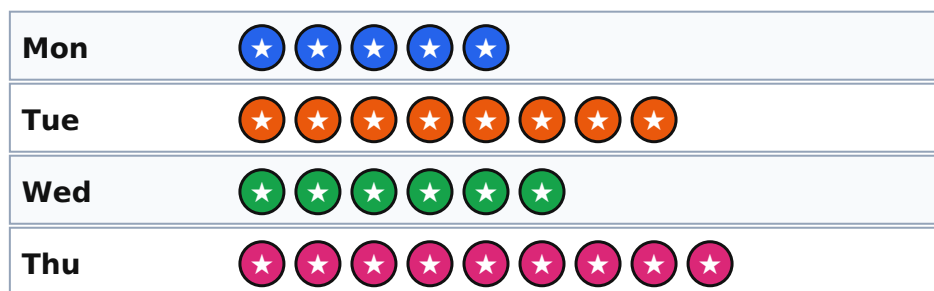
Exercise 21 - Weather days



Weather during 20 days in January.

Were there more sunny days, or more rainy and snowy days together? How many more?

Exercise 22 - Cupcake sale

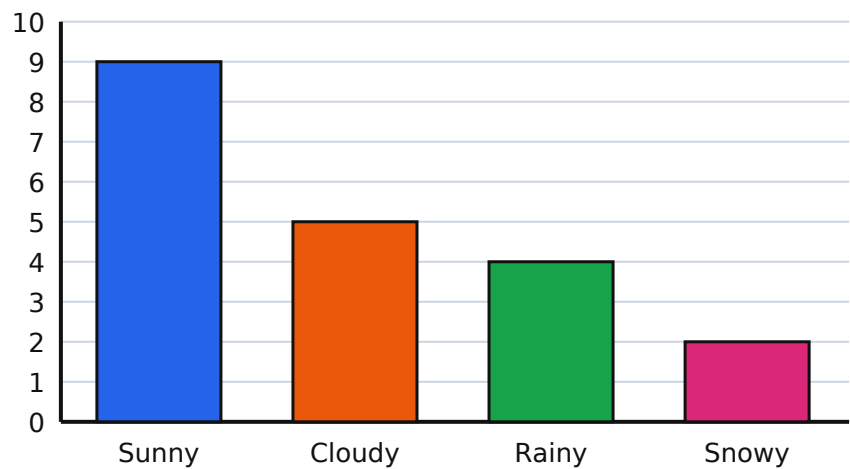


○ Key: each circle = 1

Cupcakes sold at the school bake sale.

How many cupcakes were sold in all four days? How many more were sold on Thursday than on Monday?

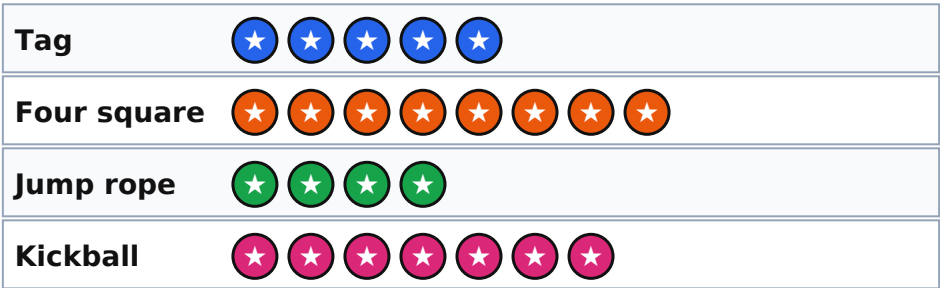
Exercise 23 - Days without sun



Weather during 20 days in January.

How many days were not sunny?

Exercise 24 - Recess changes



○ Key: each circle = 1

Children chose their favorite recess game.

Two children move from Four square to Jump rope. How many children play Jump rope now?
Which game has the most children now?

Key facts behind this grade 2 data worksheet

Key facts

- Measure to the nearest whole inch, starting at the 0 mark of the ruler.
- On a line plot, each X is one object.

- Read the key of a picture graph before you count.
- A bar graph uses the scale on the side to give the number for each bar.
- Put together by adding. Compare by subtracting.

How to use this grade 2 data worksheet

Work through the exercises in order: they go from simple to challenging. Write every step on paper, then compare with the solutions page and redo any exercise you missed the next day.

Download the grade 2 data worksheet as a PDF with the button below and keep it with your notes.

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