LESSON MAKER PRO

Bar Graph Detectives

Read the bars to find totals and differences.

GRADE 2 · 2.DA.A.16

2.DA.A.16 "Create a picture graph and bar graph to represent data with up to four categories. a. Using information presented in a bar graph, solve simple "put-together," "take-apart," and "compare" problems. b. Using Venn diagrams, pictographs..."

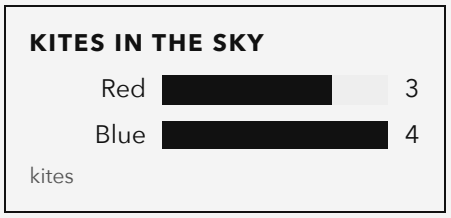
NAME _____ DATE _____

READ AND SOLVE

Each bar shows how many are in one group. Add the bars to find how many in all. Subtract to find how many more or fewer.

WORKED EXAMPLE

How many kites are in the sky in all?

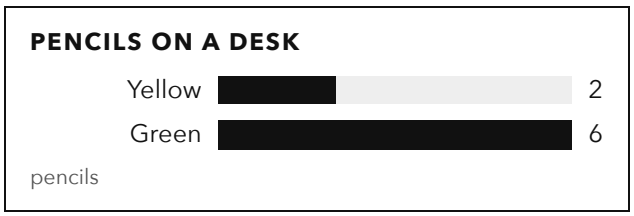


1. The red bar shows 3 kites.
2. The blue bar shows 4 kites.
3. Add: 3 + 4 = 7.

Answer: 7 kites

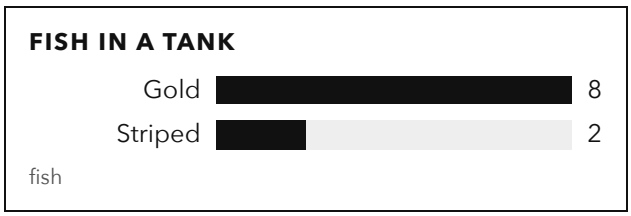
PRACTICE 5 problems

1 How many pencils are on the desk in all?



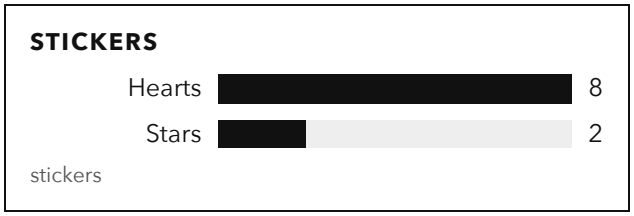
ANSWER _____

2 How many more gold fish are there than striped fish?



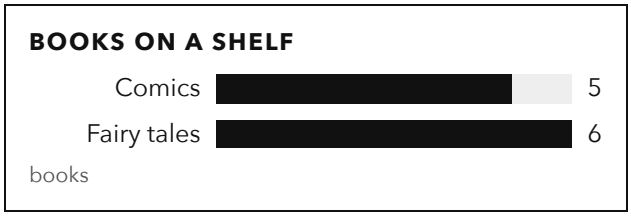
ANSWER _____

3 There are 10 stickers in all. How many are not hearts?



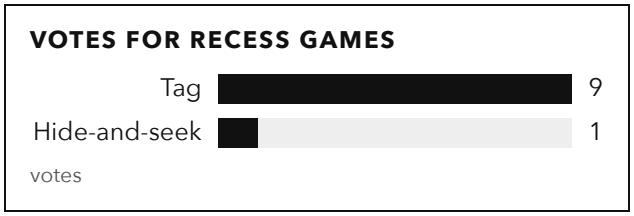
ANSWER _____

4 How many books are on the shelf in all?



ANSWER _____

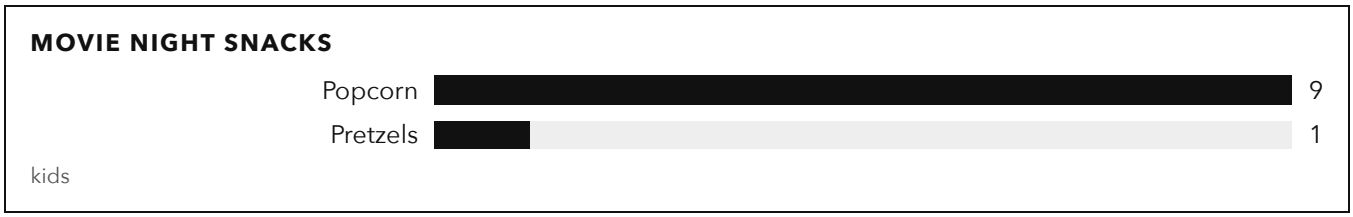
5 How many fewer votes did hide-and-seek get than tag?



ANSWER _____

APPLY IT Show your work

1 At movie night, kids picked a snack. How many more kids picked popcorn than pretzels?



ANSWER _____

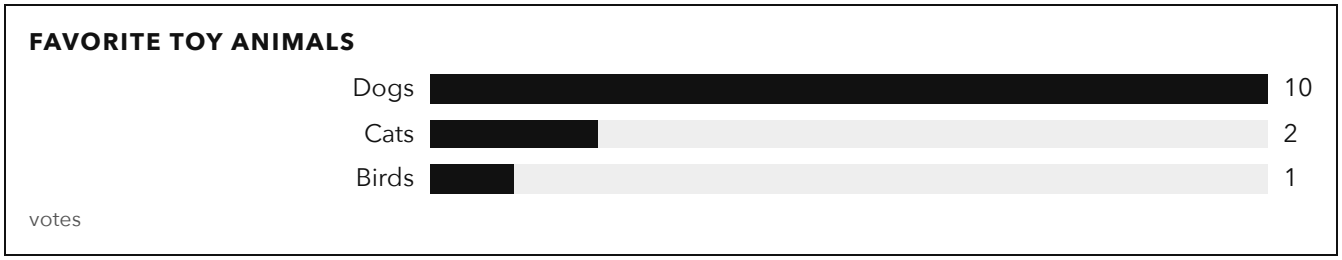
2 At recess, kids picked one place to play. How many kids picked the swings or the slide in all?



ANSWER _____

CHALLENGE One step up

Nia says more kids voted for toy dogs than toy cats. Is she right? Tell how you know.



WORK SPACE AND ANSWER

ANSWER KEY

Bar Graph Detectives

GRADE 2 · 2.DA.A.16

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	How many pencils are on the desk in all?	**8 pencils**
2	How many more gold fish are there than striped fish?	**6 fish**
3	There are 10 stickers in all. How many are not hearts?	**2 stickers**
4	How many books are on the shelf in all?	**11 books**
5	How many fewer votes did hide-and-seek get than tag?	**8 votes**

PART 2 · APPLY IT

1. **8 kids** Subtract the pretzel bar from the popcorn bar: 9 - 1 = 8.
2. **14 kids** Add the two bars: 8 + 6 = 14.

CHALLENGE

Yes. Dogs got 10 votes, and cats got 2 votes. Since 10 is more than 2, Nia is right.

Accept answers with or without units when the number is correct. For the challenge, accept any explanation that correctly compares the dog and cat bars.