

MY Homework

Lesson 2

Draw Scaled Picture Graphs

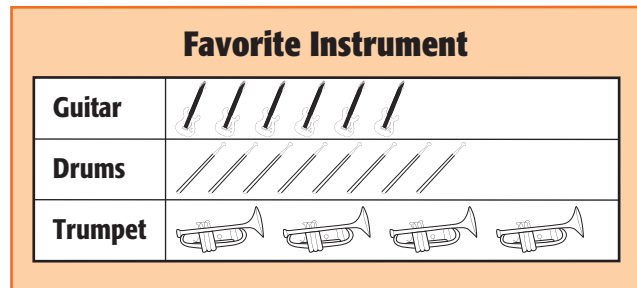
Homework Helper



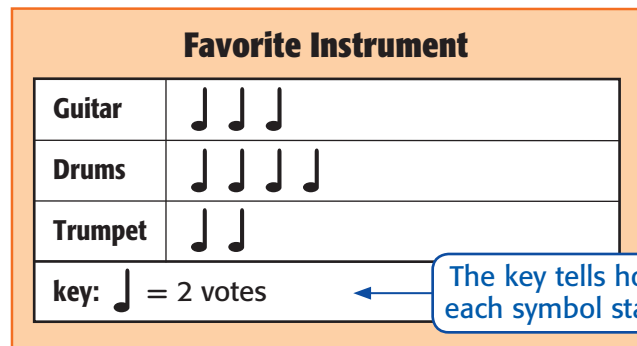
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Eighteen people voted for their favorite instrument. The results are shown in the two graphs below. How many people voted for guitar?

A picture graph uses different pictures to represent each vote.



A pictograph, or scaled picture graph, uses the same symbol to represent more than one vote.



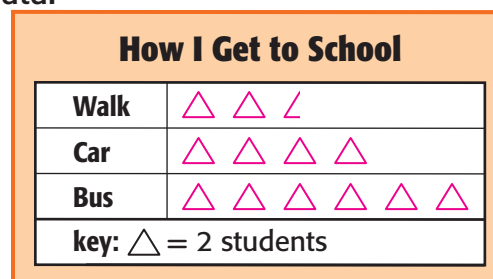
$\text{Guitar symbol} = 2$, so $2 \times 3 = 6$
6 people voted for guitar.

The key tells how many each symbol stands for.

Practice

- Display the set of data in a pictograph. Then write a sentence that interprets the data.





How I Get to School	
Method	Frequency
Walk	5
Car	8
Bus	12



Sample answer: The least number of students walk to school.

2. Display the set of data in a pictograph. Write a sentence that interprets the data.



Dulaney Horse Farm	
Horse	Frequency
Appaloosa	16
Mustang	8
Clydesdale	10

Dulaney Horse Farm	
Appaloosa	
Mustang	
Clydesdale	
key:  = 4 horses	

Sample answer: The Dulaney Horse Farm has 34 horses altogether.



Problem Solving

3. **Mathematical PRACTICE**  **Understand Symbols** A pictograph key shows 3  symbols. Each symbol represents 7 hikers in the mountains. How many hikers are in the mountains altogether?

21 hikers

Vocabulary Check




Choose the correct word(s) to complete each sentence.

picture graph pictograph key analyze interpret

4. To **analyze**, is to read or study the data on a graph.
5. The **key** in the graph tells how many each symbol stands for.
6. A **pictograph** uses the same symbol to represent more than one vote or tally.

Test Practice

7. A pictograph key shows that each  symbol equals 6 movies. How many symbols equal 18 movies?
- (A) 2 symbols (C) 4 symbols
 (B) 3 symbols (D) 5 symbols