

Name _____

Make Picture Graphs

COMMON CORE STANDARD CC.3.MD.3

Represent and interpret data.

Ben asked his classmates about their favorite kind of TV show. He recorded their responses in a frequency table. Use the data in the table to make a picture graph.

Follow the steps to make a picture graph.

Step 1 Write the title at the top of the graph.

Step 2 Look at the numbers in the table. Tell how many students each picture represents for the key.

Step 3 Draw the correct number of pictures for each type of show.

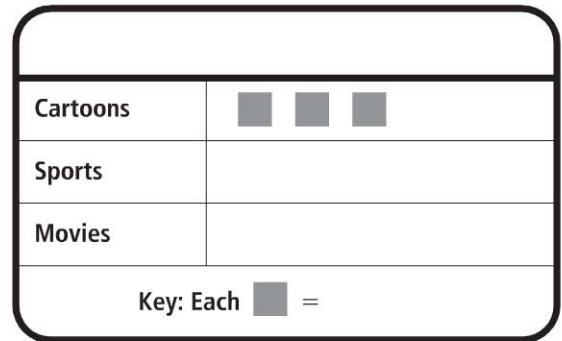
Use your picture graph for 1–5.

1. What title did you give the graph?

2. What key did you use?

3. How many pictures did you use to represent sports?

Favorite TV Show	
Type	Number
Cartoons	9
Sports	6
Movies	3



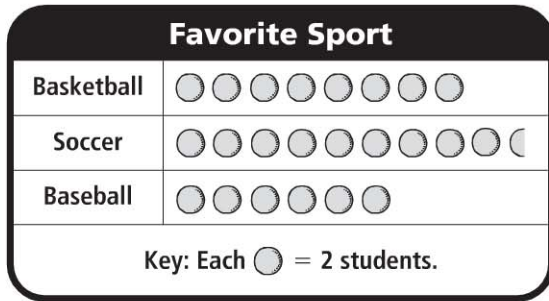
Problem Solving

4. How many pictures would you draw if 12 students chose game shows as their favorite kind of TV show?

5. What key would you use if 10 students chose cartoons?

Lesson Check (CC.3.MD.3)

1. Sandy made a picture graph to show the sports her classmates like to play. How many fewer students chose baseball than chose soccer?



- (A) 3 (C) 7
(B) 4 (D) 8

2. Tommy is making a picture graph to show his friends' favorite kind of music. He plans to use one musical note to represent 2 people. How many notes will he use to represent that 4 people chose country music?

- (A) 2
(B) 4
(C) 6
(D) 8

Spiral Review (CC.3.OA.9, CC.3.NBT.1, CC.3.NBT.2)

3. Find the sum. (Lesson 1.7)

$$\begin{array}{r} 490 \\ + 234 \\ \hline \end{array}$$

- (A) 256 (C) 664
(B) 624 (D) 724

4. Sophie wrote odd numbers on her paper. Which number was NOT a number that Sophie wrote? (Lesson 1.1)

- (A) 5 (C) 13
(B) 11 (D) 20

5. Miles ordered 126 books to give away at the store opening. What is 126 rounded to the nearest hundred? (Lesson 1.2)

- (A) 230
(B) 200
(C) 130
(D) 100

6. Estimate the difference. (Lesson 1.8)

$$\begin{array}{r} 422 \\ - 284 \\ \hline \end{array}$$

- (A) 100
(B) 180
(C) 200
(D) 700