Name _____

Topic **7**
Assessment

1. Use the data from the frequency table to make a picture graph.

Data	Favorite Pizzas		
	Pizza	**Tally**	**Frequency**
	Cheese	𝍸 ///	8
	Pepperoni	𝍸 𝍸 //	12
	Sausage	𝍸 /	6
	Hawaiian	////	4

A. Circle the key you will use.

 = 1 pizza  = 2 pizzas

 = 3 pizzas  = 4 pizzas

B. Draw a picture graph.

2. Use the data from the picture graph you made in Question 1. How many students did **NOT** choose sausage as their favorite pizza?

Ⓐ 8 students

Ⓑ 12 students

Ⓒ 16 students

Ⓓ 24 students

3. Mary made a picture graph to show how many miles she ran each week. In which week or weeks did she run 8 miles?

Miles Run in July	
Week 1	
Week 2	
Week 3	
Each  = 2 miles. Each  = 1 mile.	

Ⓐ Week 1

Ⓑ Week 3

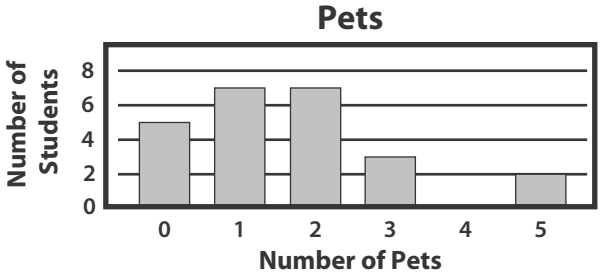
Ⓒ Weeks 1 and 3

Ⓓ Weeks 2 and 3

4. Look at the picture graph above. How many total miles did Mary run?

5. How many more miles did Mary run in Weeks 2 and 3 combined than in Week 1?

6. Mr. Rudolph's class made a bar graph of the number of pets each student has. How many students in the class have 3 pets?



Ⓐ 0

Ⓑ 2

Ⓒ 3

Ⓓ 5

7. Compare students with 1 pet and students with 5 pets. How many more students have 1 pet?

☐ more student(s)

8. How many students in the class have 2 or fewer pets?

9. Jarod is making a bar graph to compare how many sports cards he has for each sport. He has 32 baseball cards, 24 football cards, 12 soccer cards, and 16 basketball cards. Which scale makes the most sense for Jarod to use with his graph?

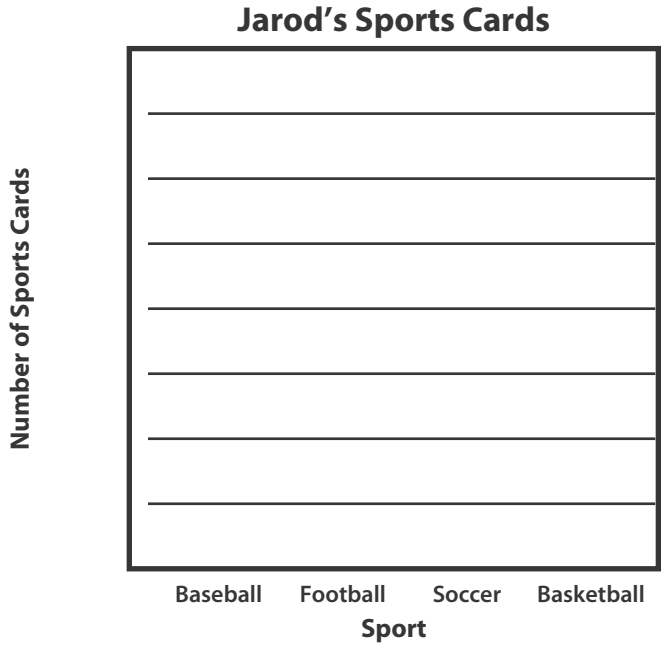
Ⓐ Each grid line equals 1 sports card.

Ⓑ Each grid line equals 4 sports cards.

Ⓒ Each grid line equals 8 sports cards.

Ⓓ Each grid line equals 10 sports cards.

10. Use the information in Question 9 to make a bar graph of Jarod's sports cards.



11. Select all the statements that are true. Use the information from Question 9.

☐ Jarod has more basketball and soccer cards combined than football cards.

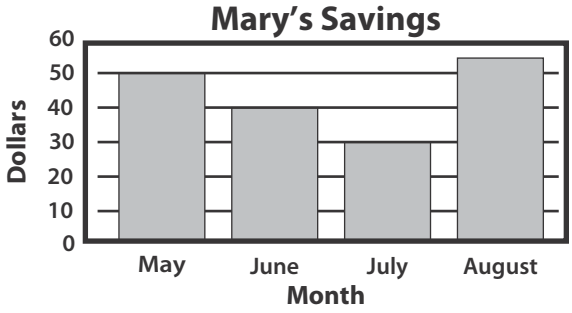
☐ Jarod has more football cards than soccer and basketball cards combined.

☐ Jarod has fewer baseball cards than football and basketball cards combined.

☐ Jarod has as many soccer and basketball cards combined as baseball cards.

☐ Jarod has fewer football cards than baseball and soccer cards combined.

12. The graph shows the amount of money Mary saved in each of 4 months. In which month did she save the most money?



Ⓐ May

Ⓑ June

Ⓒ July

Ⓓ August

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13. Look at the bar graph above. Suppose Mary saved $35 in September. Where would the bar end?

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14. Did Mary save more money in August than in June and July combined? Explain.

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15. The frequency table below shows the number of birds at Ernie's feeder each day at noon. Use the data to make a picture graph.

Birds at Ernie's Feeder

Day	Tally	Number of Birds
Monday	𝍸 𝍸 𝍸 𝍸 ////	24
Tuesday	𝍸 𝍸 𝍸 /	16
Wednesday	𝍸 𝍸 //	12
Thursday	𝍸 𝍸 𝍸 𝍸 𝍸 ///	28
Friday	𝍸 ///	8

A. Circle the key you will use.

 = 1 bird  = 2 birds

 = 4 birds  = 8 birds

B. Draw a picture graph.

16. Look at the picture graphs below. Which kind of pie was chosen by the same number of students in each class?

Class A's Favorite Pie	
Apple	
Cherry	
Pumpkin	
Each  = 2 students. Each  = 1 student.	

Class B's Favorite Pie	
Apple	
Cherry	
Pumpkin	
Each  = 2 students. Each  = 1 student.	

Ⓐ Apple

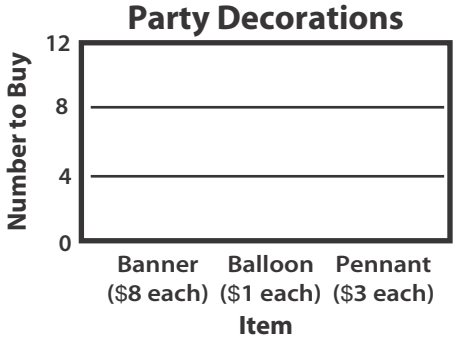
Ⓑ Cherry

Ⓒ Pumpkin

Ⓓ None of the above

17. How many students in Classes A and B chose apple as their favorite kind of pie?

18. A. Chase has $29 to spend on decorations. He wants to buy at least one banner, three balloons, and one pennant. What combination of decorations can he buy if he spends all of his money?



B. Describe the given information and solve the problem. Explain your thinking and show the supplies he can buy on the bar graph.

