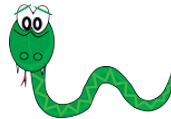Name _____   Date _____

1. Count and categorize each picture to complete the table with tally marks.

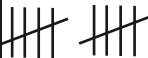| No Legs	2 Legs	4 Legs

2. Count and categorize each picture to complete the table with numbers.

Fur	Feathers

3. Use the Animal Habitats table to answer the following questions.

Animal Habitats		
Forest	**Wetlands**	**Grasslands**
~~||||~~		~~||||~~		~~||||~~ ~~||||~~ ||||

a. How many animals have habitats on grasslands and wetlands? _____

b. How many fewer animals have forest habitats than grasslands habitats? _____

c. How many more animals would need to be in the forest category to have the same number as animals in the grasslands category? _____

d. How many total animal habitats were used to create this table? _____

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4. Use the Animal Classification table to answer the following questions about the types of animals Ms. Lee's second-grade class found in the local zoo.

Animal Classification			
Birds	Fish	Mammals	Reptiles
6	5	11	3

a. How many animals are birds, fish, or reptiles? ____

b. How many more birds and mammals are there than fish and reptiles? ____

c. How many animals were classified? ____

d. How many more animals would need to be added to the chart to have 35 animals classified? ____

e. If 5 more birds and 2 more reptiles were added to the table, how many fewer reptiles would there be than birds? ____

Name _____ Date _____

1. Count and categorize each picture to complete the table with tally marks.

No Legs	2 Legs	4 Legs

2. Count and categorize each picture to complete the table with numbers.

Fur	Feathers

3. Use the Animal Habitats table to answer the following questions.

Animal Habitats		
Arctic	**Forest**	**Grasslands**
6	11	9

a. How many animals live in the arctic? _____

b. How many animals have habitats in the forest and grasslands? _____

c. How many fewer animals have arctic habitats than forest habitats? _____

d. How many more animals would need to be in the grasslands category to have the same number as the arctic and forest categories combined? _____

e. How many total animal habitats were used to create this table? _____

4. Use the Animal Classification table to answer the following questions about the class pets in West Chester Elementary School.

Animal Classification			
Birds	**Fish**	**Mammals**	**Reptiles**
7	15	18	9

a. How many animals are birds, fish, or reptiles? _____

b. How many more birds and mammals are there than fish and reptiles? _____

c. How many animals were classified? _____

d. If 3 more birds and 4 more reptiles were added to the table, how many fewer birds would there be than reptiles? _____

Name _____   Date _____

1. Use grid paper to create a picture graph below using data provided in the table. Then, answer the questions.

Central Park Zoo Animal Classification			
Birds	Fish	Mammals	Reptiles
6	5	11	3

Title: _____

   a. How many more animals are mammals than fish? _____

   b. How many more animals are mammals and fish than birds and reptiles? _____

   c. How many fewer animals are reptiles than mammals? _____

   ____   ____   ____   ____

Legend: _____

   d. Write and answer your own comparison question based on the data.

   Question: _____

   Answer: _____

2. Use the table below to create a picture graph in the space provided.

Animal Habitats		
Desert	**Tundra**	**Grasslands**
⅕I	⅕	⅕ ⅕ IIII

Title: _____

_____   [blank grid 5 columns × 14]

_____

_____

Legend: _____

a. How many more animal habitats are in the grasslands than in the desert? ____

b. How many fewer animal habitats are in the tundra than in the grasslands and desert combined? ____

c. Write and answer your own comparison question based on the data.

Question: _____

Answer: _____

Name _____   Date _____

1. Use grid paper to create a picture graph below using data provided in the table.
    Then, answer the questions.

Favorite Mammals			
Tiger	Panda	Snow Leopard	Gorilla
8	11	7	12

Title: _____

a. How many more people chose gorilla as their favorite mammal than chose tiger? _____

b. How many more people chose tiger and gorilla as their favorite mammals than panda and snow leopard? _____

c. How many fewer people chose tiger as their favorite mammal than panda? _____

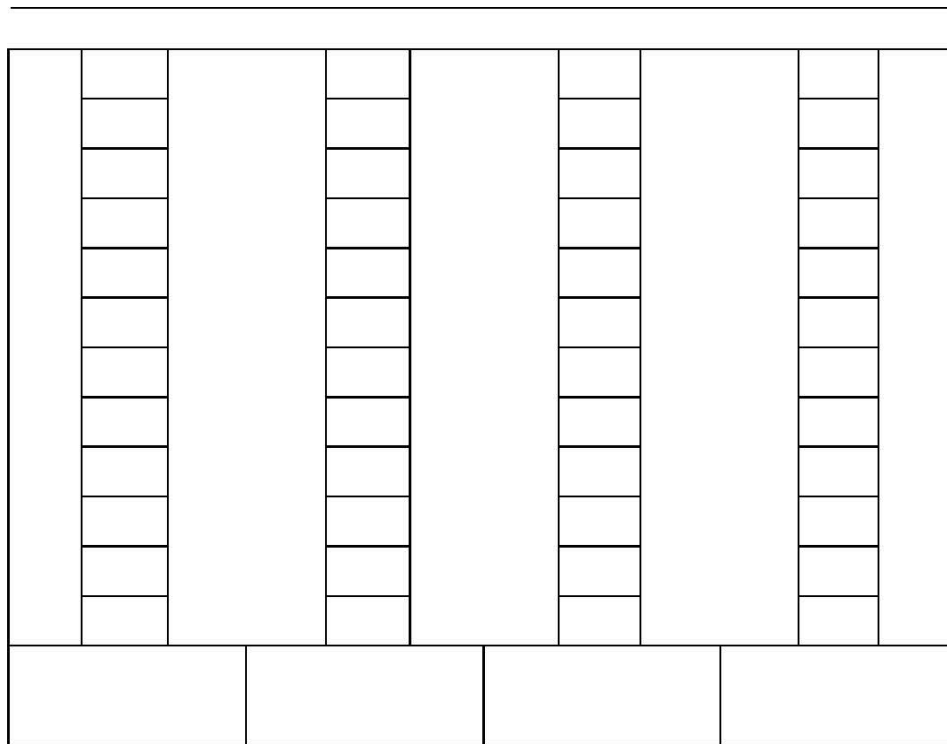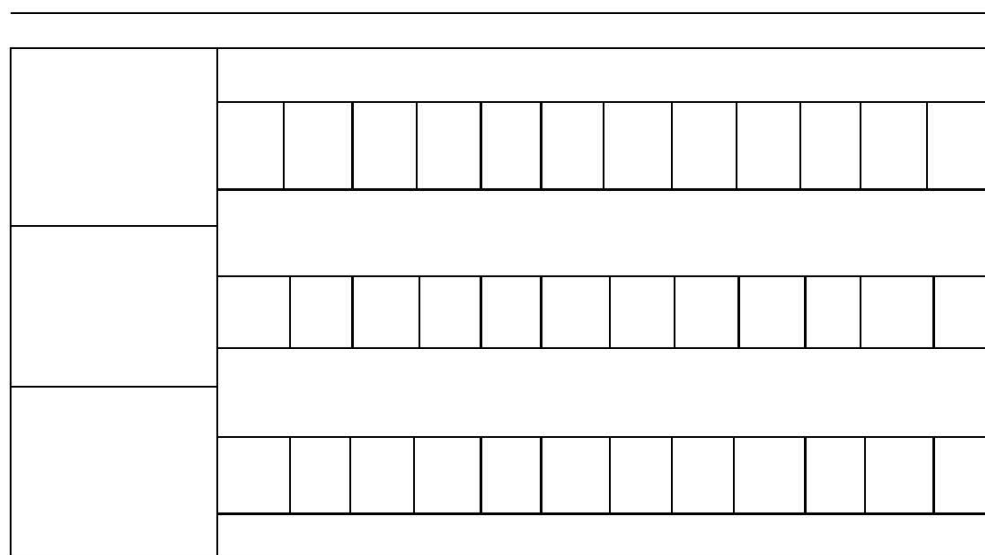____   ____   ____   ____

Legend: _____

d. Write and answer your own comparison question based on the data.

Question: _____

Answer: _____

_____

Legend: _____

_____

Legend: _____

Lesson 2:   Draw and label a picture graph to represent data with up to four categories.

10

_____
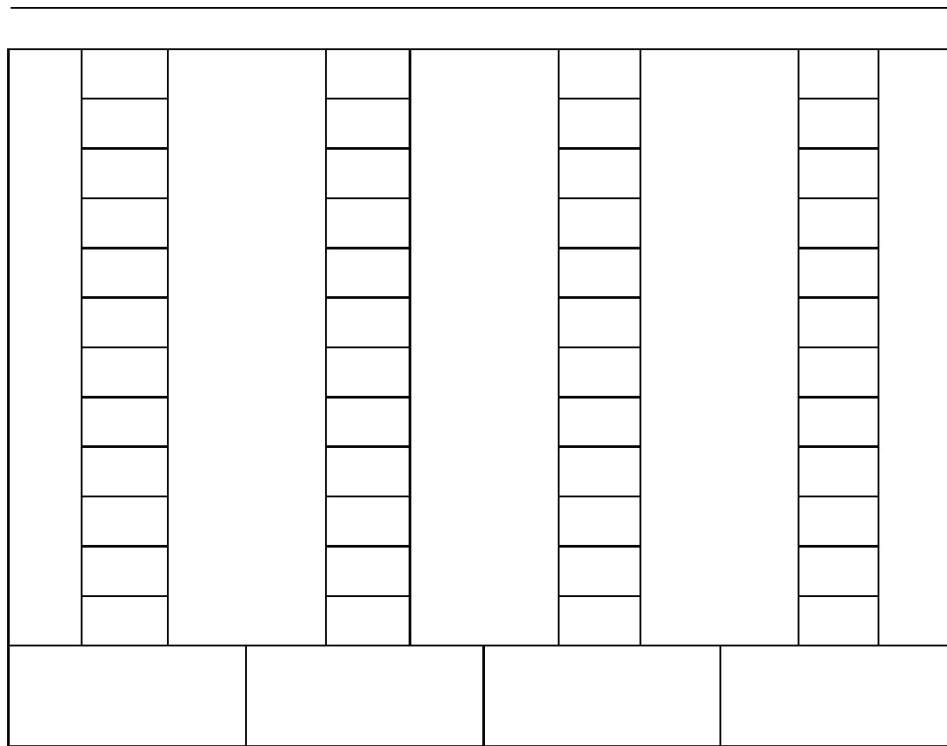
Legend: _____

_____
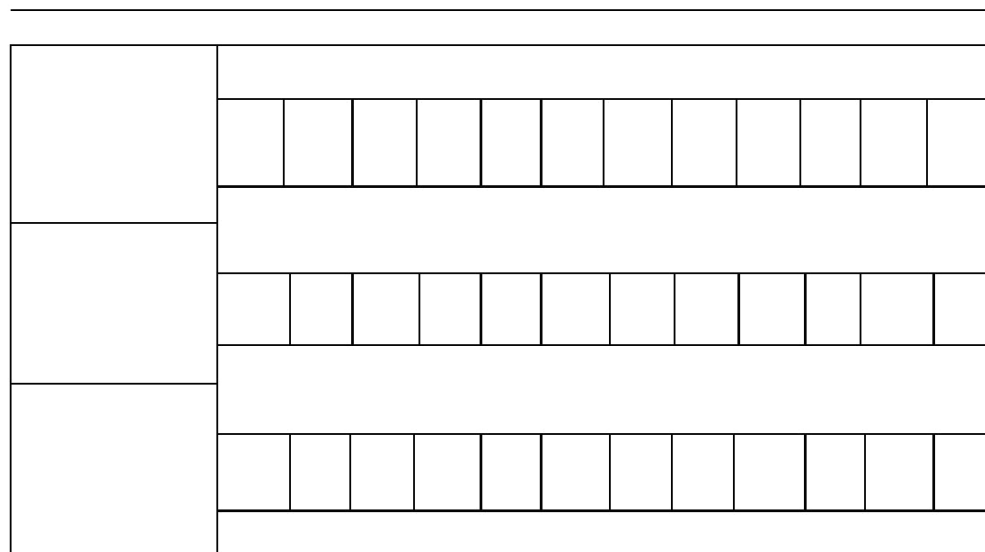
Legend: _____

vertical and horizontal picture graphs

_____

(grid: 9 columns × 13 rows)

_____   _____   _____   _____

Legend: _____

_____

vertical picture graph

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Name _____   Date _____

1. Complete the bar graph below using data provided in the table. Then, answer the questions about the data.

Animal Classification			
Birds	Fish	Mammals	Reptiles
6	5	11	3

Title: _____

_____

_____

_____

_____

0   __ __ __ __ __ __ __ __ __ __ __ __

a. How many more animals are birds than reptiles? _____

b. How many more birds and mammals are there than fish and reptiles? _____

c. How many fewer animals are reptiles and fish than mammals? _____

d. Write and answer your own comparison question based on the data.
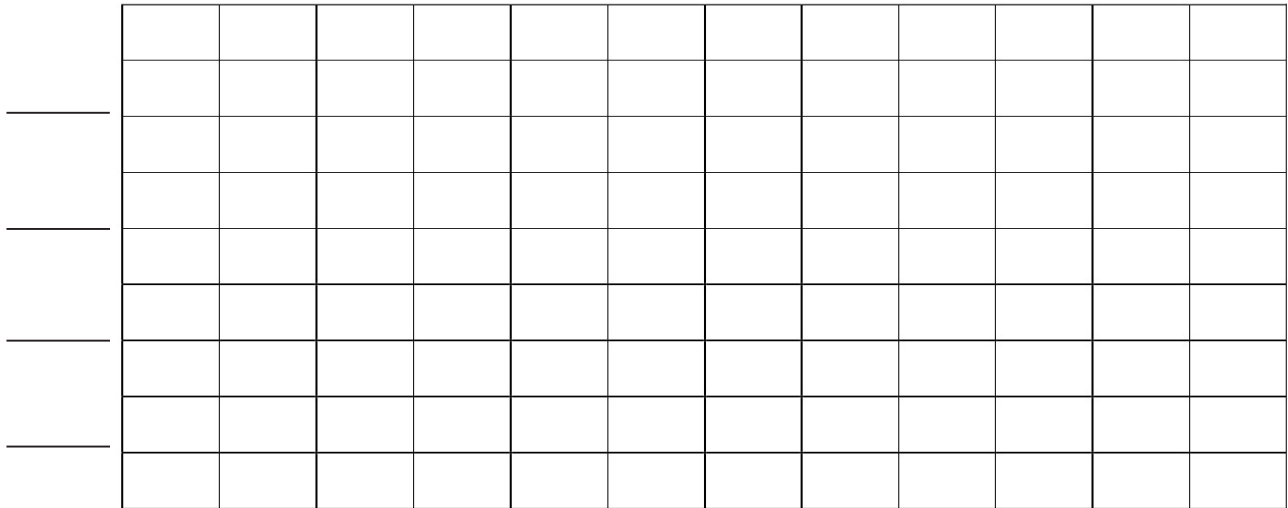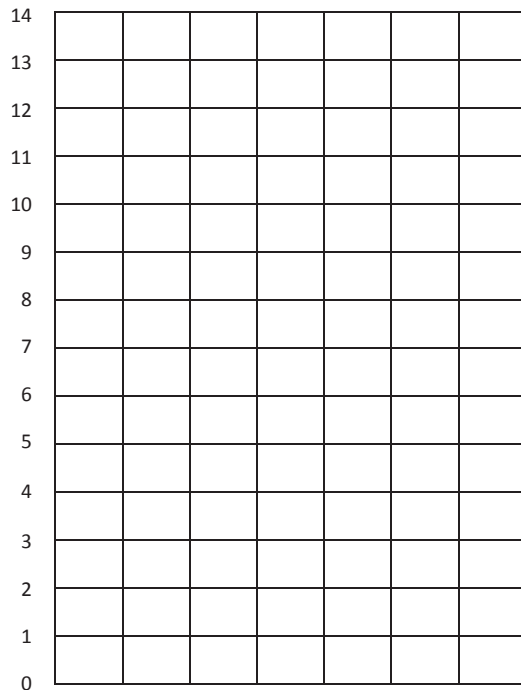
Question: _____

Answer: _____

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2. Complete the bar graph below using data provided in the table.

Animal Habitats		
Desert	Arctic	Grasslands
卌 I	卌	卌 卌 IIII

Title: _____

14
13
12
11
10
9
8
7
6
5
4
3
2
1
0

____   ____   ____

a. How many more animals live in the grasslands and arctic habitats combined than in the desert? _____

b. If 3 more grasslands animals and 4 more arctic animals are added to the graph, how many grasslands and arctic animals would there be? _____

c. If 3 animals were removed from each category, how many animals would there be? _____

d. Write your own comparison question based on the data, and answer it.
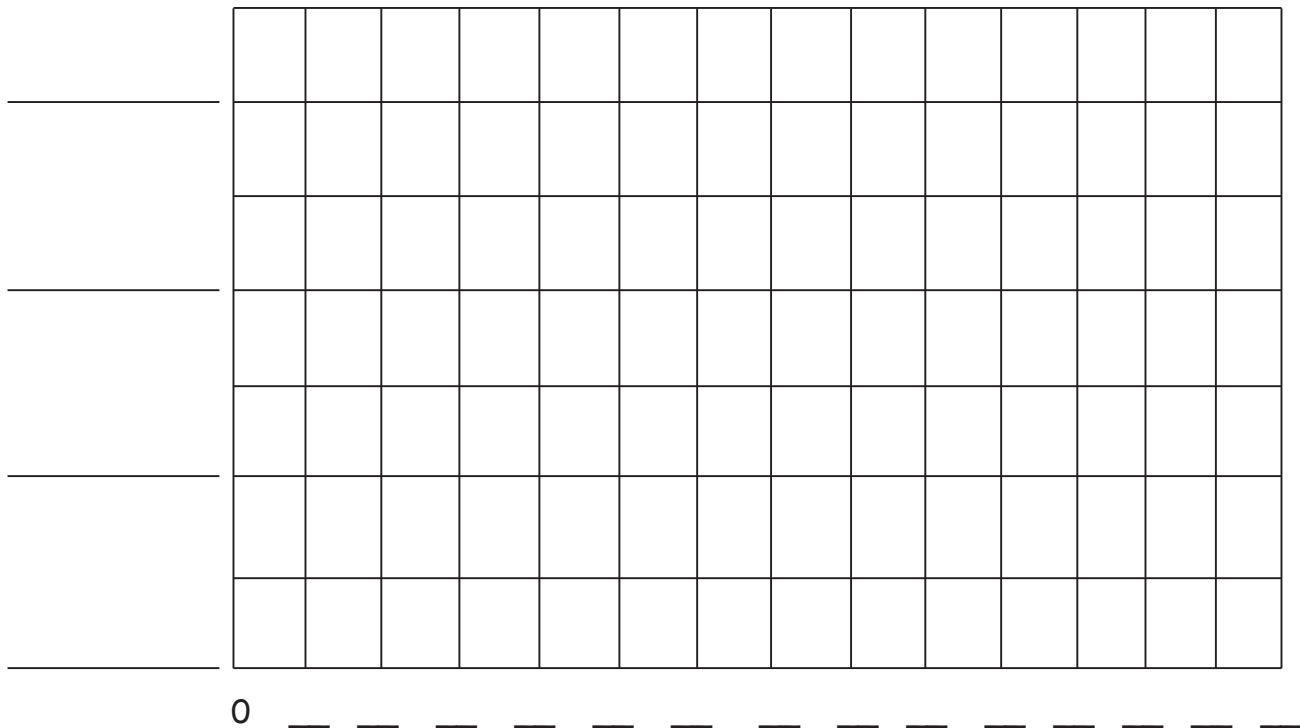
Question: _____

Answer: _____

Name _____   Date _____

1. Complete the bar graph below using data provided in the table. Then, answer the questions about the data.

Various Animal Coverings at Jake's Pet Shop			
Fur	**Feathers**	**Shells**	**Scales**
12	9	8	11

Title: _____

_____

_____

_____

_____

0 __ __ __ __ __ __ __ __ __ __ __ __ __ __ __

a. How many more animals have fur than shells? _____

b. Which pair of categories has more, fur and feathers or shells and scales? (Circle one.) How much more? _____

c. Write and answer your own comparison question based on the data.

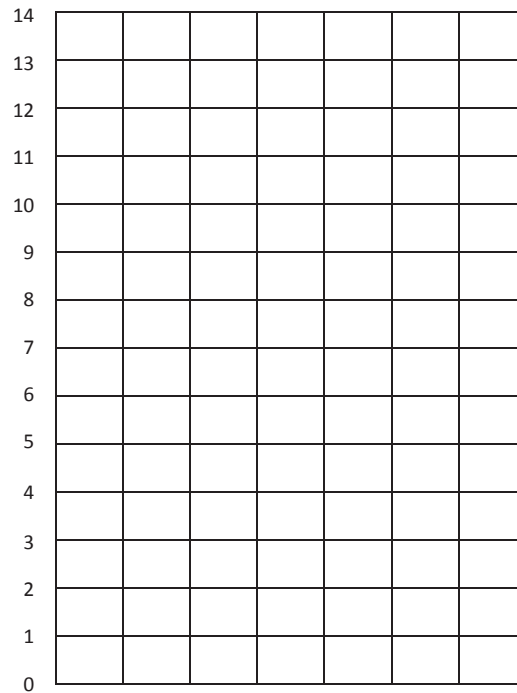   Question: _____

   Answer: _____

Lesson 3:   Draw and label a bar graph to represent data; relate the count scale to the number line.

15

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2. Complete the bar graph below using data provided in the table.

City Shelter Animal Diets		
Meat Only	**Plants Only**	**Meat and Plants**
ЖГ |||	ЖГ ||||	ЖГ ЖГ ||||

Title: _____


```
14
13
12
11
10
 9
 8
 7
 6
 5
 4
 3
 2
 1
 0
      ____    ____    ____
```

a. How many total animals are in the city shelter? _____

b. How many more meat- and plant-eating animals are there than meat only? _____

c. If 3 animals were removed from each category, how many animals would there be? _____

d. Write your own comparison question based on the data, and answer it.

Question: _____

Answer: _____

EUREKA MATH™

Lesson 3:   Draw and label a bar graph to represent data; relate the count scale to the number line.

16

_____

Title: _____

14
13
12
11
10
9
8
7
6
5
4
3
2
1
0

___
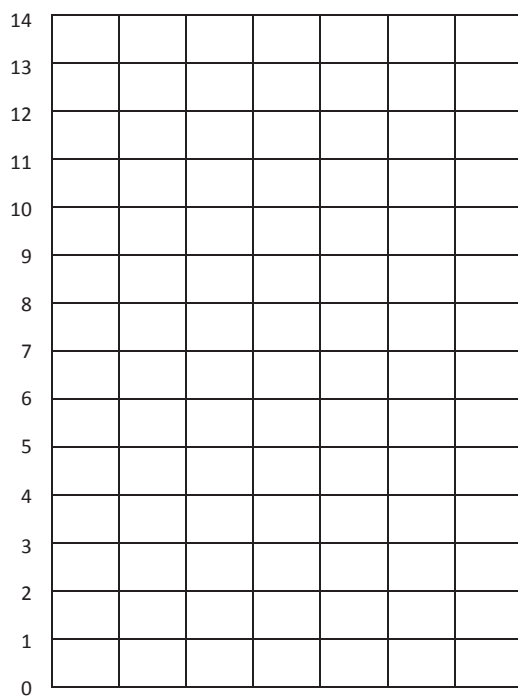
horizontal and vertical bar graphs

Lesson 3: Draw and label a bar graph to represent data; relate the count scale to the number line.

17

EUREKA MATH

Name _____   Date _____

1. Complete the bar graph using the table with the types of bugs Alicia counted in the park. Then, answer the following questions.

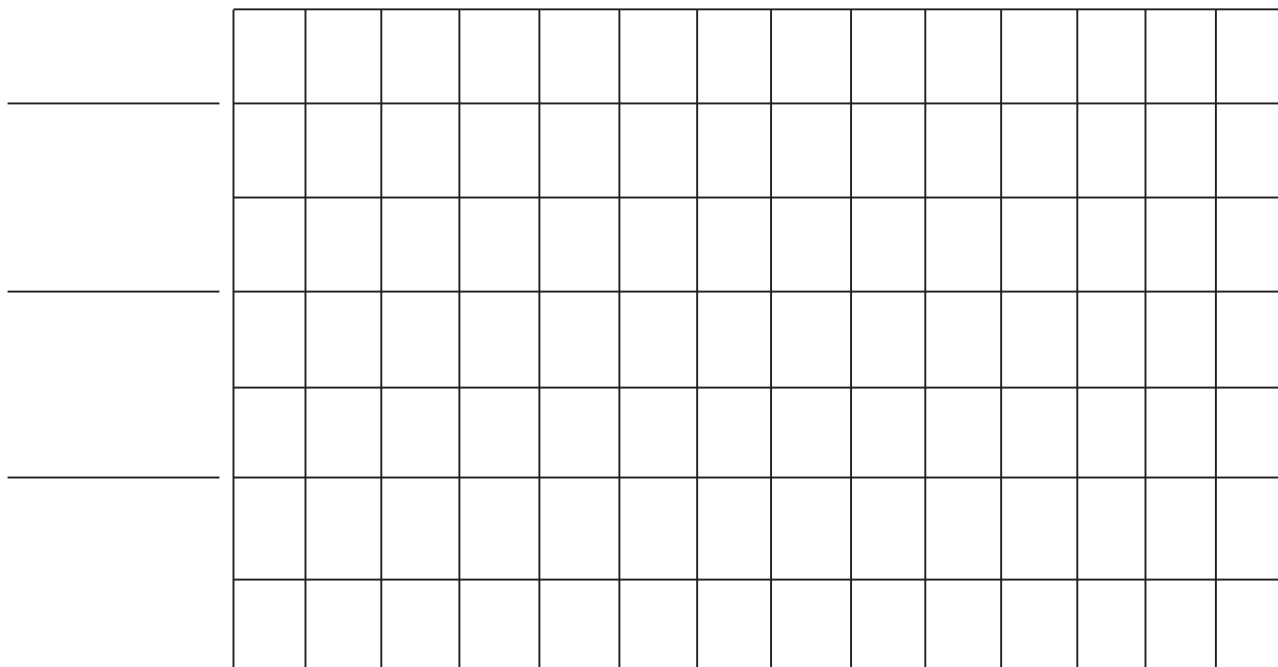| Types of Bugs			
Butterflies	Spiders	Bees	Grasshoppers
5	14	12	7

Title: _____

a. How many butterflies were counted in the park? _____

b. How many more bees than grasshoppers were counted in the park? _____

c. Which bug was counted twice as many times as grasshoppers? _____

d. How many bugs did Alicia count in the park? _____

e. How many fewer butterflies than bees and grasshoppers were counted in the park? _____

2. Complete the bar graph with labels and numbers using the number of farm animals on O'Brien's farm.

O'Brien's Farm Animals			
Goats	Pigs	Cows	Chickens
13	15	7	8

Title: _____

```
15
14
13
12
11
10
 9
 8
 7
 6
 5
 4
 3
 2
 1
 0
```
_____   _____   _____   _____
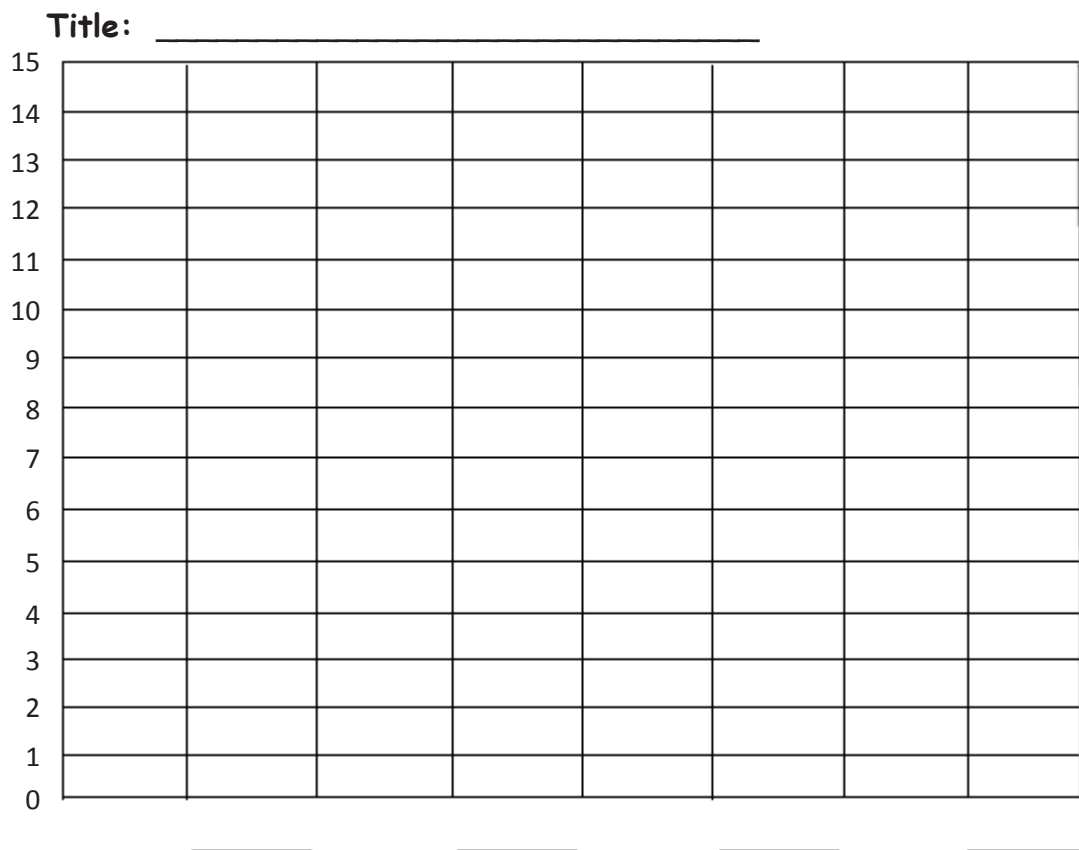
a. How many more pigs than chickens are on O'Brien's farm? _____

b. How many fewer cows than goats are on O'Brien's farm? _____

c. How many fewer chickens than goats and cows are on O'Brien's farm? _____

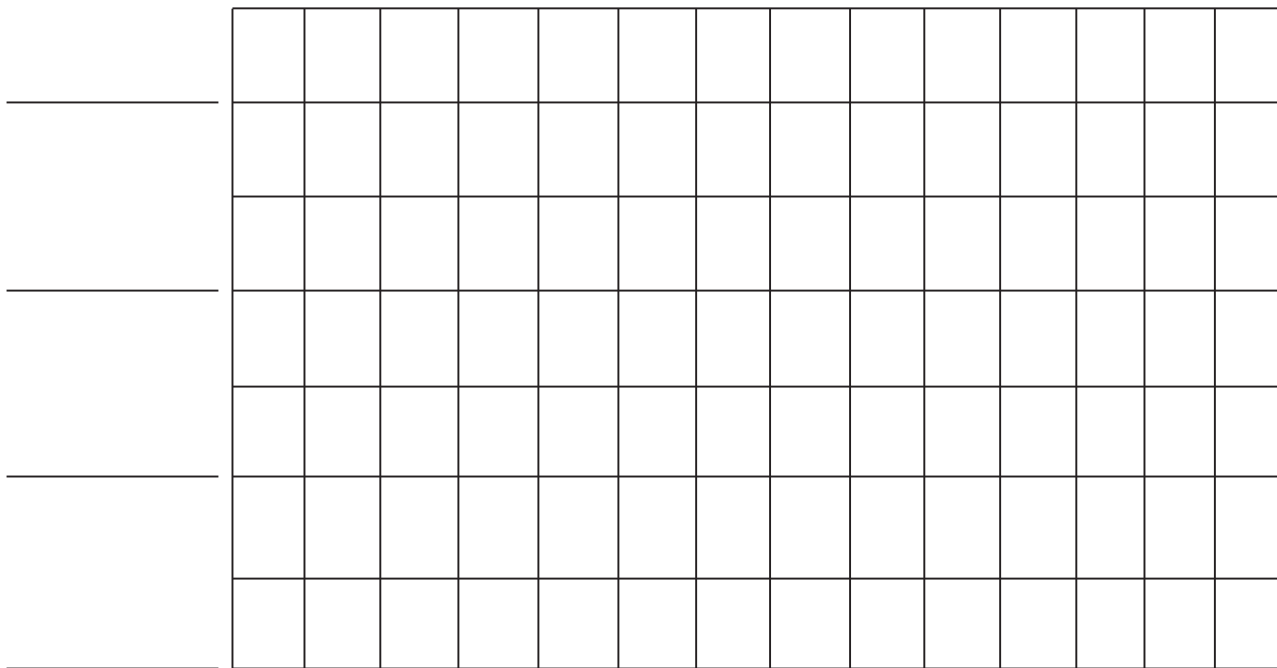d. Write a comparison question that can be answered using the data on the bar graph.

_____

Name _____   Date _____

1. Complete the bar graph using the table with the types of reptiles at the local zoo. Then, answer the following questions.

Types of Reptiles			
Snakes	Lizards	Turtles	Tortoises
13	11	7	8

Title: _____

0 __ __ __ __ __ __ __ __ __ __ __ __ __ __

a. How many reptiles are at the zoo? _____

b. How many more snakes and lizards than turtles are at the zoo? _____

c. How many fewer turtles and tortoises than snakes and lizards are at the zoo? _____

d. Write a comparison question that can be answered using the data on the bar graph.

_____

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2. Complete the bar graph with labels and numbers using the number of underwater animals Emily saw while scuba diving.

Underwater Animals			
Sharks	Stingrays	Starfish	Seahorses
6	9	14	13

Title: _____

```
15
14
13
12
11
10
 9
 8
 7
 6
 5
 4
 3
 2
 1
 0
      _____        _____        _____        _____
```
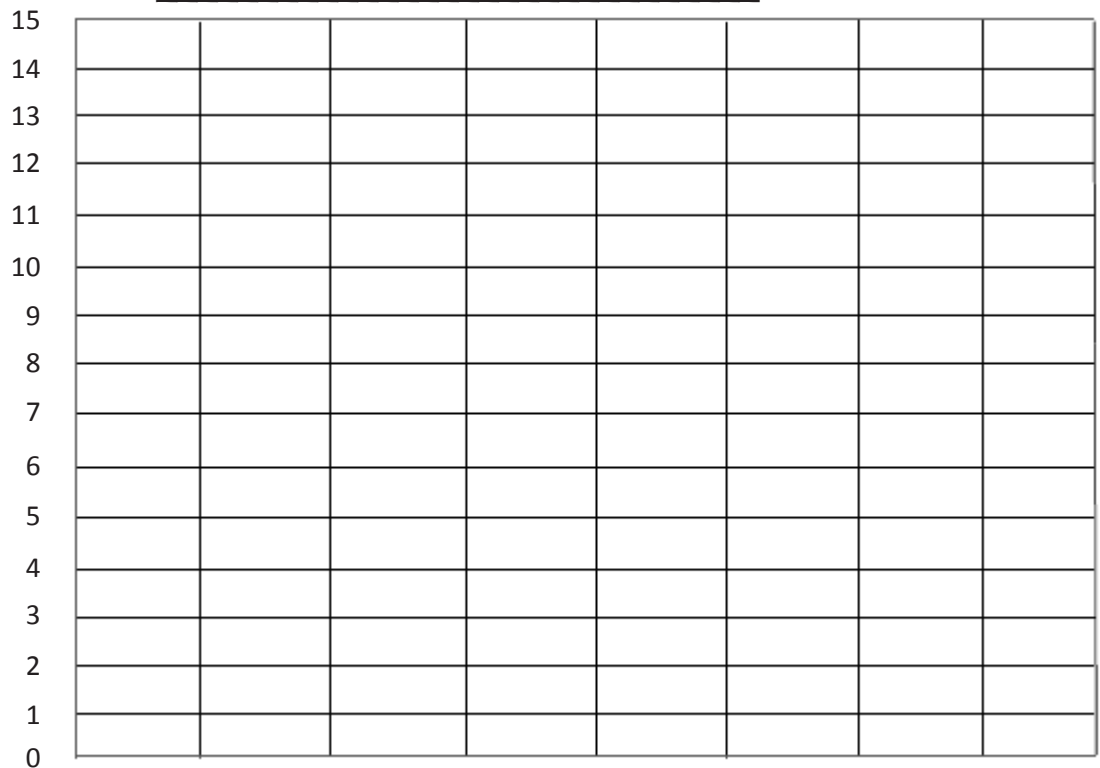
a. How many more starfish than sharks did Emily see? _____

b. How many fewer stingrays than seahorses did Emily see? _____

c. Write a comparison question that can be answered using the data on the bar graph.

_____

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Favorite Animals

	0	1	2	3	4	5	6	7	8	9	10	11	12
Flamingo													
Snow Leopard													
Komodo Dragon													
Koala Bear													
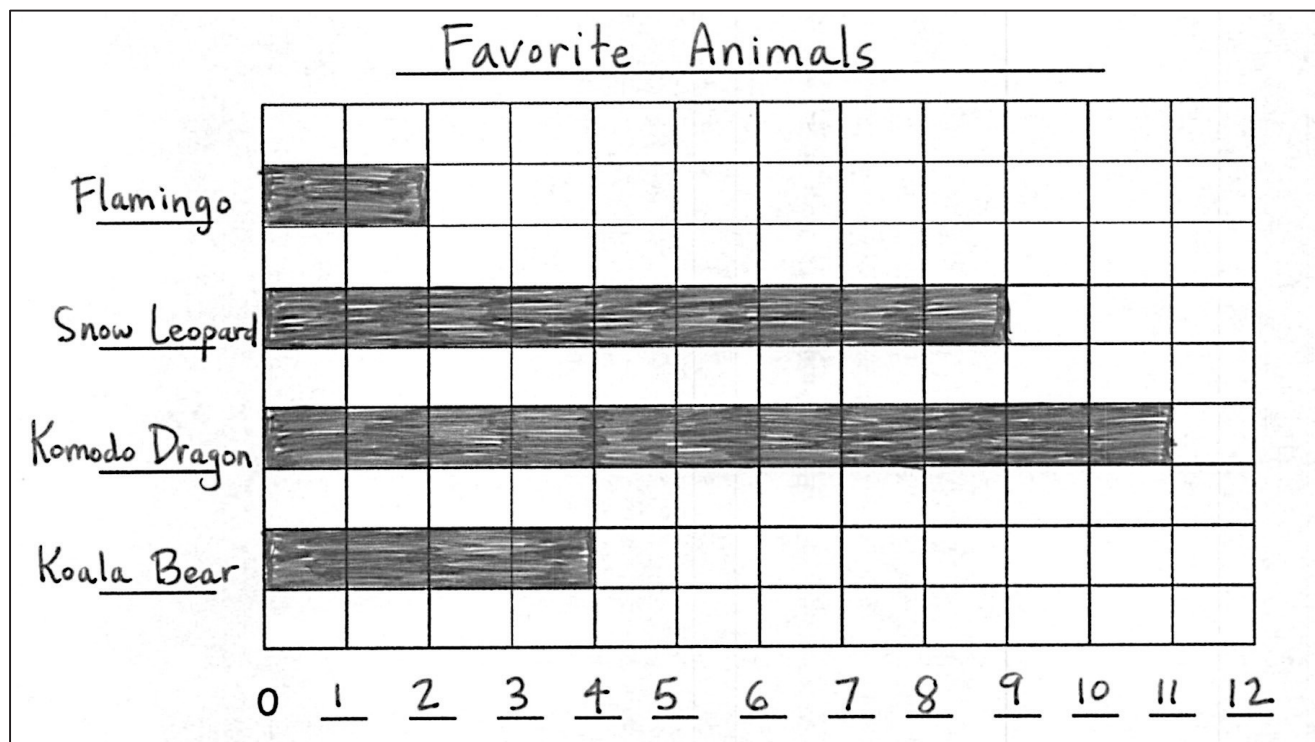
favorite animals bar graph

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Lesson 4:   Draw a bar graph to represent a given data set.

22

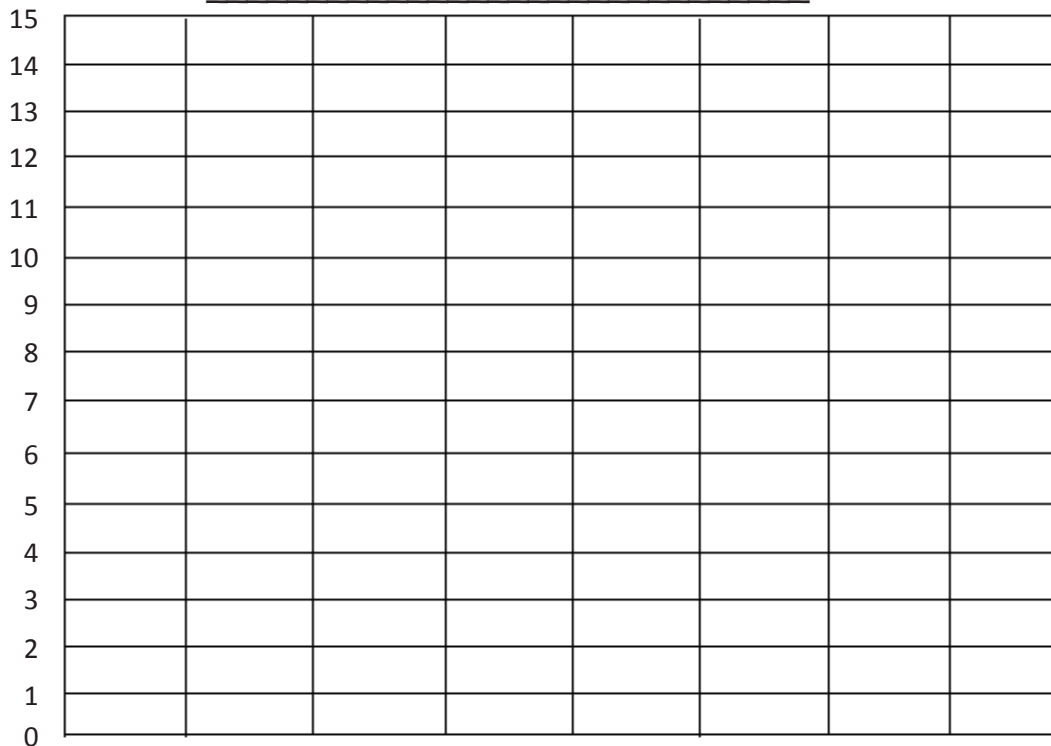©2015 Great Minds. eureka-math.org
G2-M7-SE-1.3.0-09.2015

Name _____   Date _____

Callista saved pennies. Use the table to complete the bar graph. Then, answer the following questions.

Pennies Saved			
Saturday	Sunday	Monday	Tuesday
15	10	4	7

Title: _____

15					
14					
13					
12					
11					
10					
9					
8					
7					
6					
5					
4					
3					
2					
1					
0					

_____   _____   _____   _____

a.   How many pennies did Callista save in all? _____

b.   Her sister saved 18 fewer pennies. How many pennies did her sister save? _____

c.   How much more money did Callista save on Saturday than on Monday and Tuesday? _____

d.   How will the data change if Callista doubles the amount of money she saved on Sunday? _____

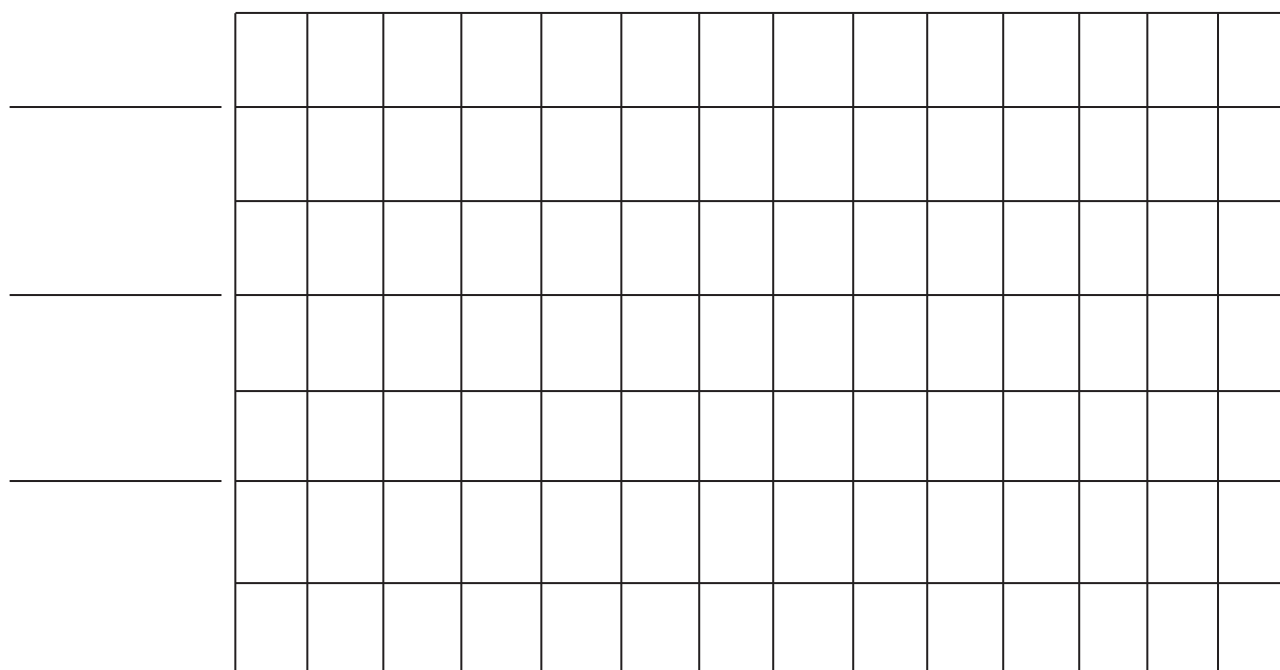e.   Write a comparison question that can be answered using the data on the bar graph.

_____

Name _____ Date _____

A group of friends counted their nickels. Use the table to complete the bar graph. Then, answer the following questions.

Amount of Nickels			
Annie	Scarlett	Remy	LaShay
5	11	8	14

Title: _____

_____

_____

_____

_____

0 __ __ __ __ __ __ __ __ __ __ __ __ __ __

a. How many nickels do the children have in all? ___

b. What is the total value of Annie's and Remy's coins? ___

c. How many fewer nickels does Remy have than LaShay? ___

d. Who has less money, Annie and Scarlett or Remy and LaShay? _____

e. Write a comparison question that can be answered using the data on the bar graph.

_____

Name _____   Date _____

1. Design a survey, and collect the data.

2. Label and fill in the table.

3. Use the table to label and complete the bar graph.

4. Write questions based on the graph, and then let students use your graphs to answer them.

   a. _____

   b. _____

   c. _____

   d. _____

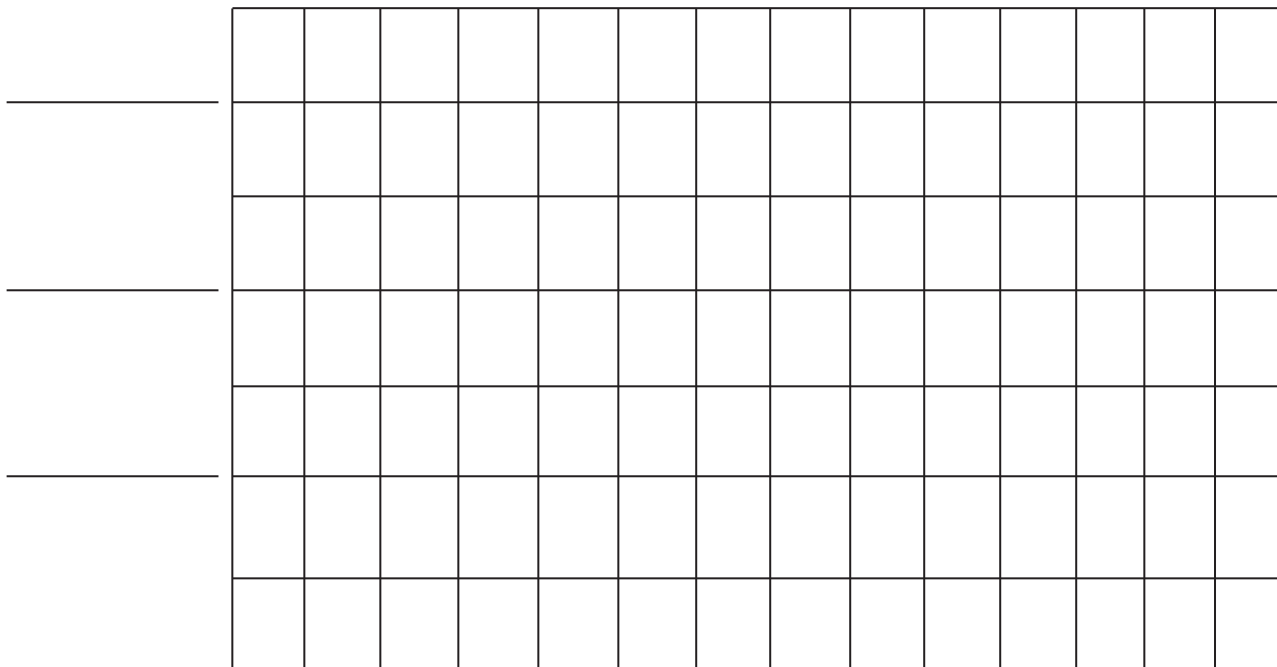|		

EUREKA MATH™

Name _____   Date _____

1. Use the table to complete the bar graph. Then, answer the following questions.

Number of Dimes

Emily	Andrew	Thomas	Ava
8	12	6	13

Title: _____

_____ | | | | | | | | | | | | | |

a. How many more dimes does Andrew have than Emily? _____

b. How many fewer dimes does Thomas have than Ava and Emily? _____

c. Circle the pair with more dimes, Emily and Ava or Andrew and Thomas.
    How many more? _____

d. What is the total number of dimes if all the students combine all their money?
    _____

2. Use the table to complete the bar graph. Then, answer the following questions.

Number of Dimes Donated

Madison	Robin	Benjamin	Miguel
12	10	15	13

Title: _____
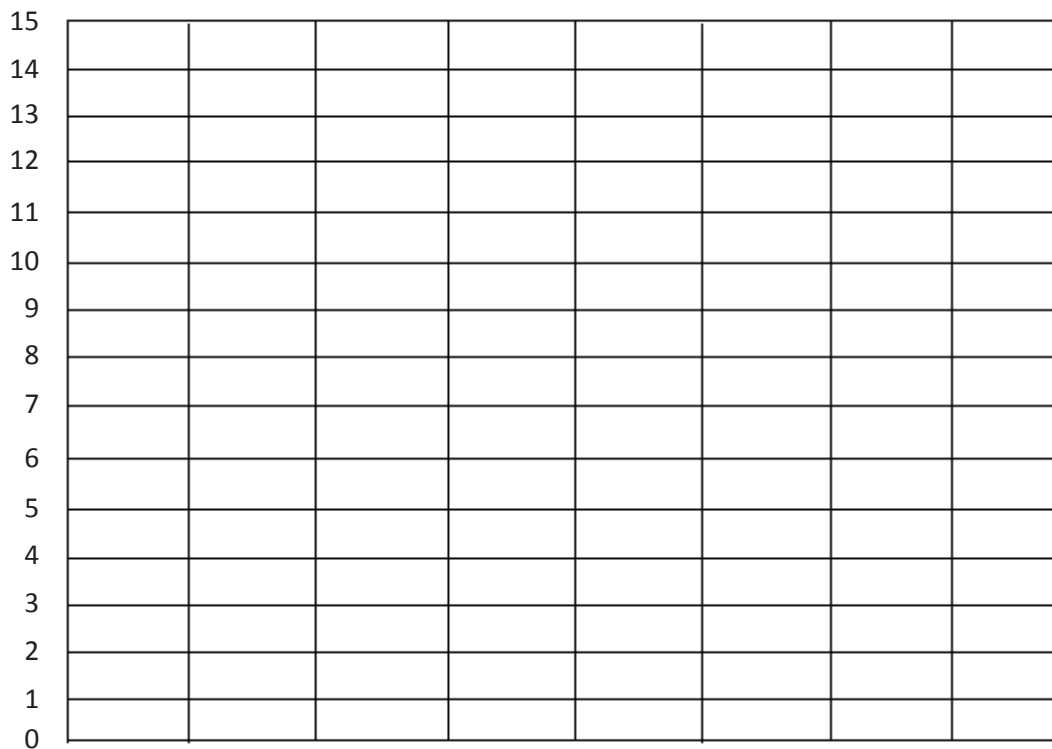
a. How many more dimes did Miguel donate than Robin? _____

b. How many fewer dimes did Madison donate than Robin and Benjamin? _____

c. How many more dimes are needed for Miguel to donate the same as Benjamin and Madison? _____

d. How many dimes were donated? _____

Lesson 5:   Solve word problems using data presented in a bar graph.
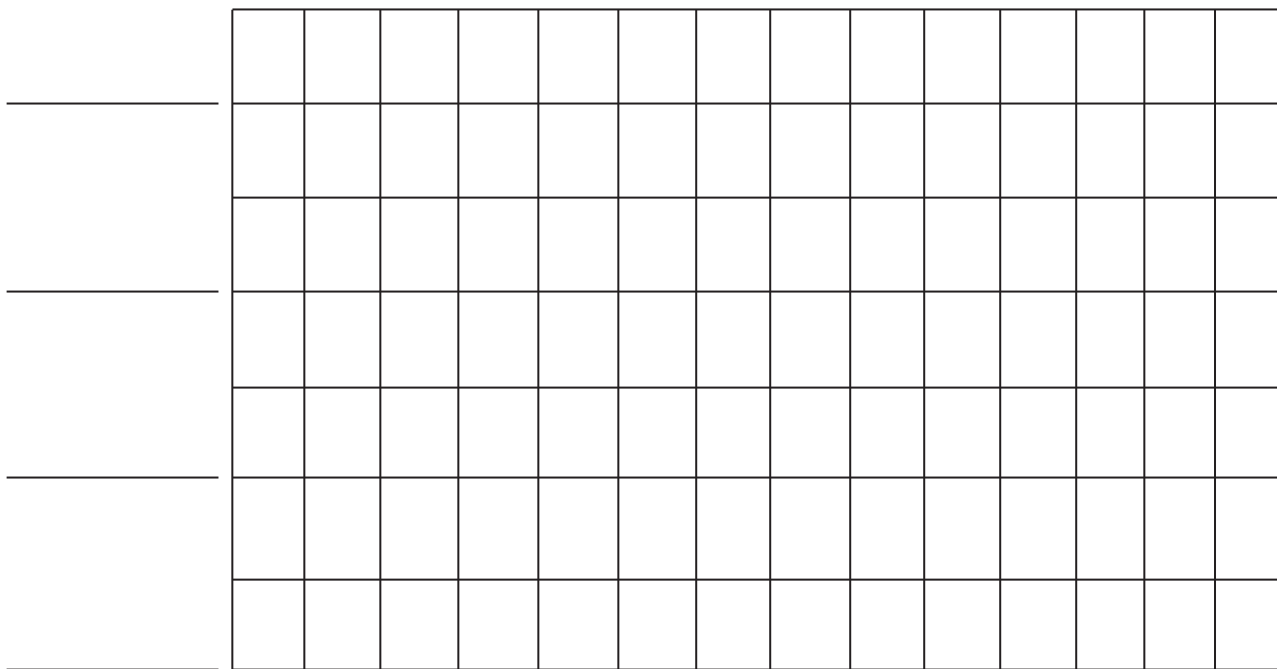
27

EUREKA MATH™

Name _____   Date _____

1. Use the table to complete the bar graph. Then, answer the following questions.

Number of Nickels

Justin	Melissa	Meghan	Douglas
13	9	12	7

Title: _____

_____

_____

_____

_____

— — — — — — — — — — — — — — —
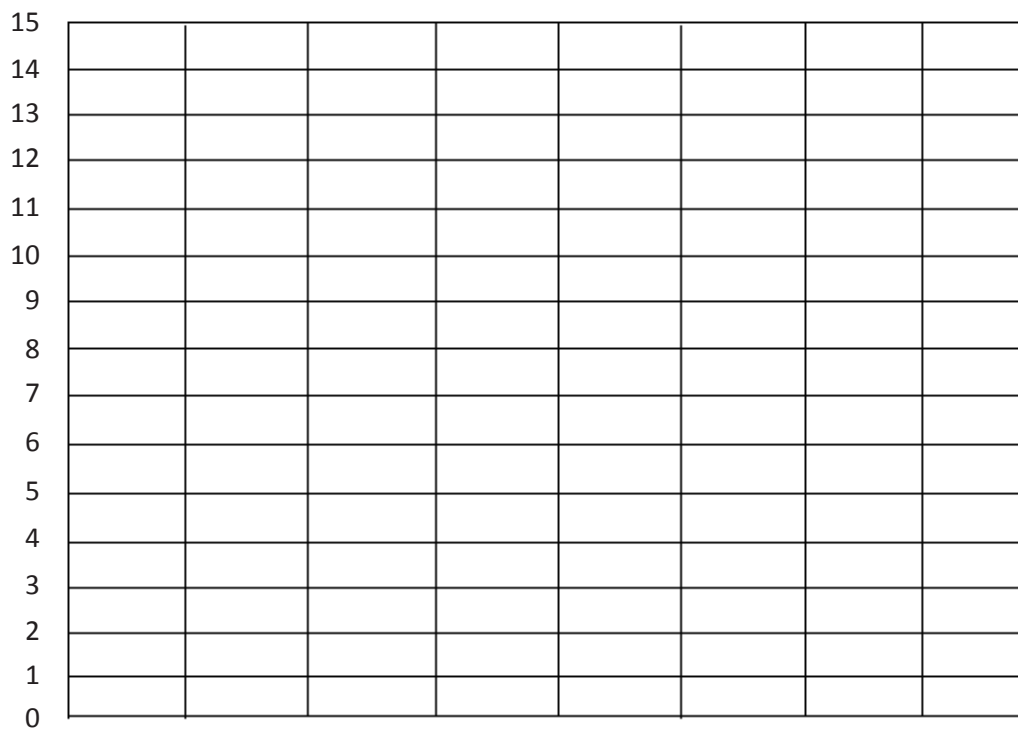
a. How many more nickels does Meghan have than Melissa? _____

b. How many fewer nickels does Douglas have than Justin? _____

c. Circle the pair that has more nickels, Justin and Melissa or Douglas and Meghan.
    How many more? _____

d. What is the total number of nickels if all the students combine all their money?
    _____

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Lesson 5:   Solve word problems using data presented in a bar graph.

28

2. Use the table to complete the bar graph. Then, answer the following questions.

Dimes Donated

Kylie	Tom	John	Shannon
12	10	15	13

Title: _____

15							
14							
13							
12							
11							
10							
9							
8							
7							
6							
5							
4							
3							
2							
1							
0							

_____   _____   _____   _____

a. How many dimes did Shannon donate? _____

b. How many fewer dimes did Kylie donate than John and Shannon? _____

c. How many more dimes are needed for Tom to donate the same as Shannon and Kylie? _____

d. How many dimes were donated in total? _____

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