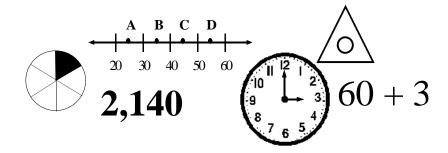
# Summer Math Packet For Students Entering Grade 3



# Student's Name

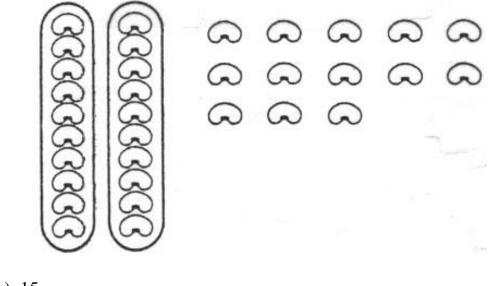
# Jupe 2012

# **Record your answers in this packet.**

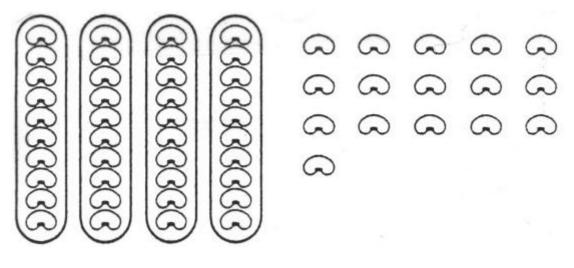
Review and Practice of Fairfield Math Objectives and CMT Objectives

- 1.) Which means the same as 63?
  - a) 60 + 3
    b) 9 + 3
    c) 6 + 30
  - d) 6+3
- 2.) Which means the same as 15?
  - a) 1 + 50
    b) 10 + 5
  - c) 6+50
  - d) 1 + 5
- 3.) Which means the same as 50 + 9?
  - a) 590
  - b) 509
  - c) 95
  - d) 59
- 4.) Which means the same as 30 + 6?
  - a) 36
  - b) 63
  - c) 306
  - d) 360

5.) What number means the same as what is shown in the picture?

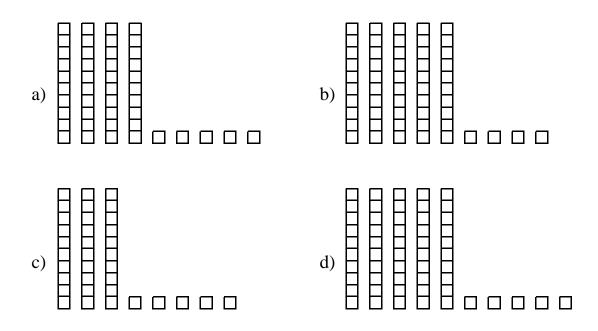


- a) 15
- b) 33c) 45
- d) 70
- 6.) What number means the same as what is shown in the picture?

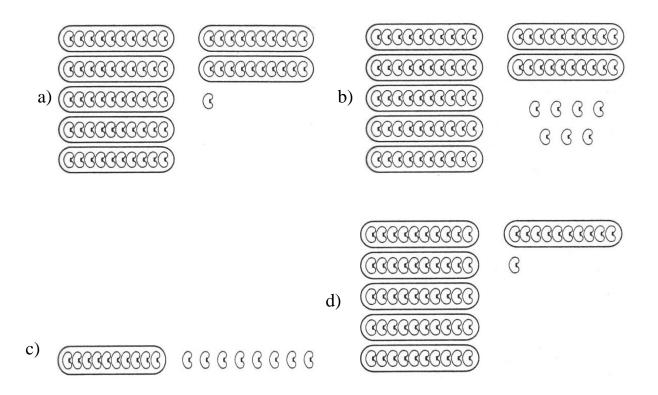


- a) 20
- b) 44
- c) 54
- d) 56

### 7.) Which picture shows the number 45 ?



8.) Which picture shows the number 71?



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- 9.) In which number does the 5 have the **GREATEST** value?
  - a) 645
  - b) 563
  - c) 59
  - d) 5

10.) In which number does the 2 have the **GREATEST** value?

- a) 928
- b) 652
- c) 206
- d) 27

11.) In which number does the 2 have the **LEAST** value?

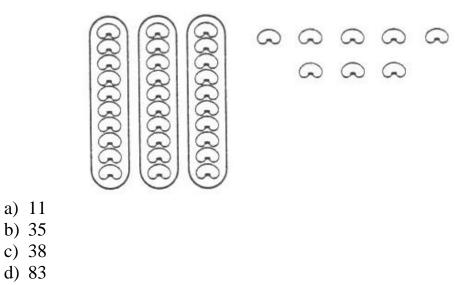
- a) 2,140
- b) 432
- c) 261
- d) 29

12.) In which number does the 6 have the **LEAST** value?

- a) 688
- b) 460
- c) 165
- d) 56

# **Pictorial Representation of Numbers**

13.) What number does the picture show?



14.) What number does the picture show?

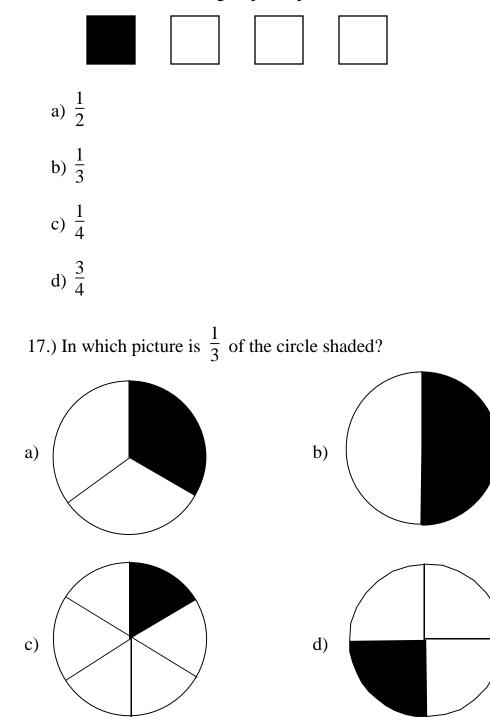
- a) 10
- b) 46
- c) 54
- d) 64

3

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15.) Shade in	$\frac{3}{4}$	of the box

16.) What fraction of the group of squares is shaded?



#### Order, Magnitude, and Rounding of Numbers

48

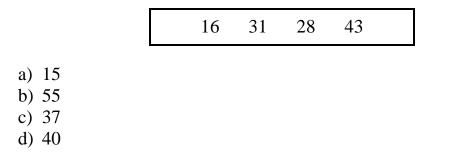
18.) Which number is **LESS** than each of the following numbers?

	54	46	52
a) 44			
a) 44 b) 50			
<ul><li>c) 52</li><li>d) 49</li></ul>			

19.) Which number is **GREATER** than each of the following numbers?

	71	47	55	69
a) 78 b) 58				
<ul> <li>a) 78</li> <li>b) 58</li> <li>c) 70</li> <li>d) 49</li> </ul>				

20.) Which number is **GREATER** than each of the following numbers?



21.) Which list shows the numbers in order from LEAST to GREATEST?

a) 46, 63, 64, 36
b) 57, 53, 75, 65
c) 32, 33, 35, 53
d) 78, 87, 77, 88

22.) Which list shows the numbers in order from LEAST to GREATEST?

a) 66, 96, 78, 59
b) 59, 81, 98, 88
c) 27, 31, 37, 42
d) 79, 97, 86, 68

23.) Which list shows the numbers in order from GREATEST to LEAST?

- a) 26, 14, 87, 10
  b) 87, 26, 20, 15
  c) 20, 15, 62, 87
  d) 14, 74, 87, 20
- 24.) What number is 1 MORE than 57?
  - a) 10
  - b) 38
  - c) 58
  - d) 60
- 25.) What number is 1 LESS than 89?
  - a) 58
  - b) 68
  - c) 78
  - d) 88

#### 26.) What number is 2 LESS than 18?

- a) 15
- b) 16
- c) 20
- d) 22

27.) Chris has 14 stamps. He has 2 letters to mail. He used 1 stamp on each letter. How many stamps does Chris have left?

a) 16

- b) 14
- c) 13
- d) 12

28.) Connie has 12 video games. This number is CLOSEST to:

a) 10

- b) 15
- c) 20
- d) 25

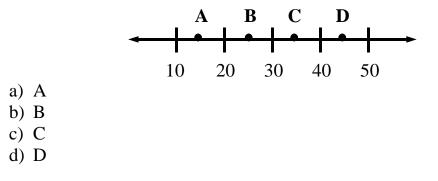
29.) There are 23 children on a field trip. This number is CLOSEST to:

- a) 15
- b) 20
- c) 25
- d) 30

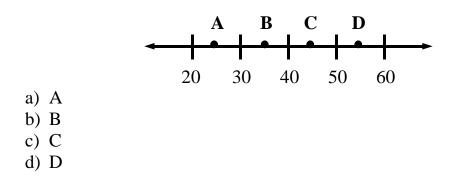
30.) In the barnyard there are 38 chickens. This number is **CLOSEST** to:

- a) 25
- b) 30
- c) 35
- d) 40

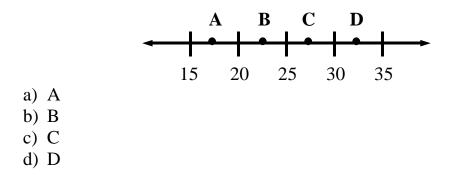
31.) The number 36 would be **CLOSEST** to which point on the number line below?



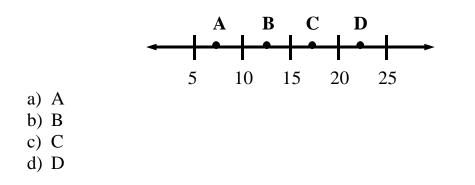
32.) The number 23 would be **CLOSEST** to which point on the number line below?



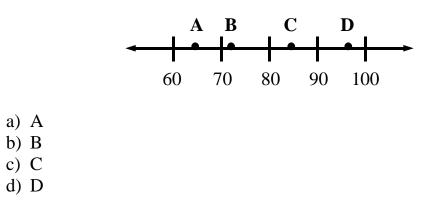
33.) The number 16 would be **CLOSEST** to which point on the number line below?



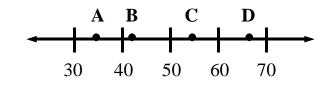
34.) The number 21 would be **CLOSEST** to which point on the number line below?



35.) On the number line below, the number 72 is **CLOSEST** to which labeled point?



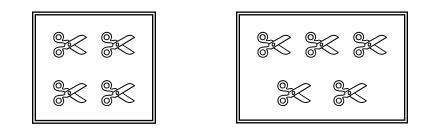
36.) On the number line below, the number 56 is **CLOSEST** to which labeled point?



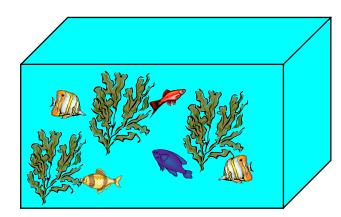
- a) Ab) Bc) C
- d) D

# **Models for Operations**

37.) There are two boxes of scissors. Which number sentence tells how many scissors there are in all?



- a) 5 4 = 🗌
- b) 5 🗌 = 4
- c)  $4 + 5 = \Box$
- d)  $9 + 5 = \square$
- 38.) Which number sentence tells how many fish there are in all?

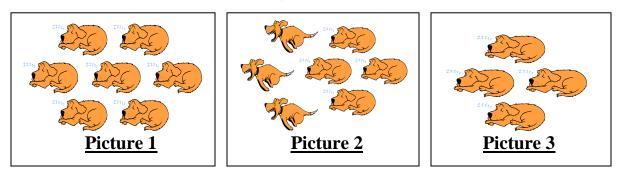




- a)  $\Box 5 = 7$
- b)  $5 + 2 = \Box$
- c)  $2 + \Box = 5$
- d) 7  $\Box = 2$

39.) Sally drew three pictures as part of a story she is writing. Picture 1 shows 7 dogs sleeping. Picture 2 shows some of the dogs running away. Picture 3 shows the number of dogs left.

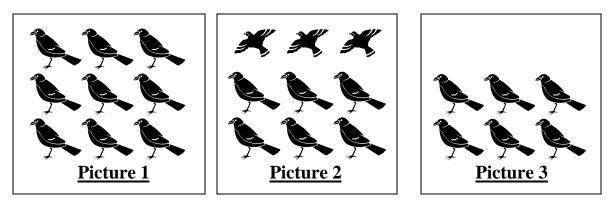
#### **Sally's Pictures**



Which number sentence best represents Sally's pictures?

a) 3 + 4 = 7
b) 4 + 3 = 7
c) 7 - 4 = 3
d) 7 - 3 = 4

40.) The three pictures below are part of a story that Stacey is reading.



Which number sentence best represents the three pictures?

- a) 6-3=3
  b) 9+6=15
- c) 9 3 = 6
- d) 9 + 3 = 15

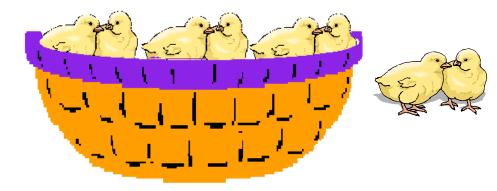
 Picture 1

41.) Martina drew three pictures as part of a story she is writing.

Which number sentence best represents the three pictures?

a) 6+3=9
b) 9+6=15
c) 9-3=6
d) 9+3=12

42.) There were 8 chicks in the basket. Which number sentence shows how many chicks are still in the basket?



- a)  $6 \Box = 2$
- b) 8 + 2 =
- c) 8 2 =  $\Box$
- d)  $6 2 = \Box$

43.) Rudy had 6 nickels in his bank. He spent 3 of them. Which number sentence could be used to find out how many nickels Rudy has left?

a)  $6+3 = \square$ b)  $6-3 = \square$ c)  $3-6 = \square$ d)  $\square -6 = 3$ 

44.) Arthur collected 12 stamps. He gave 5 to Kevin. Which number sentence could be used to find out how many stamps Arthur had left?

a)  $12 + 5 = \square$ b)  $12 - 5 = \square$ c)  $12 + 7 = \square$ d)  $7 - 12 = \square$ 

45.) There are 20 students in Mr. Hitzfield's class and 15 students in Mrs. Horton's class. Which number sentence could be used to find out how many students are in both classes?

- a)  $15 \Box = 20$
- b)  $\Box 20 = 15$
- c)  $20 15 = \Box$
- d) 20 + 15 = 🗌

46.) Last week 15 people bought bicycles. This week 12 people bought bicycles. Which number sentence could be used to find out how many people bought bicycles in two weeks?

- a)  $12 + \Box = 15$
- b) 15 − 12 = □
- c)  $15 + 12 = \square$
- d)  $15 \Box = 12$

47.) Write a story problem that can be solved using the number sentence

$$8+4=\Box$$
.

48.) Write a story problem that can be solved using the number sentence

$$12-5=\Box$$
.

#### **Basic Facts**

49.) Use counters, if needed, to solve the problem: 9 + 2 =
a) 6
b) 10
c) 11
d) 12

50.) Use counters, if needed, to solve the problem: 8 + 9 =

a) 3
b) 5
c) 15
d) 17

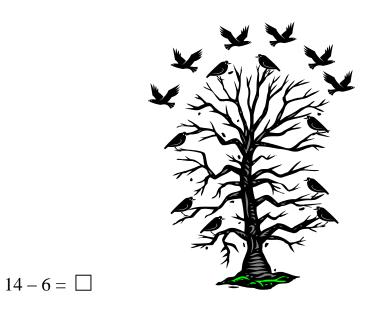
51.) Use counters, if needed, to solve the problem: 12-9 =

- a) 3b) 7
- c) 13
- d) 17

52.) Use counters, if needed, to solve the problem: 15 - 6 =

- a) 9
- b) 10
- c) 11
- d) 12

53.) How many birds are left on the tree after several fly away?



- a) 3
- b) 6
- c) 8
- d) 10

# **Computations with Whole Numbers and Decimals**

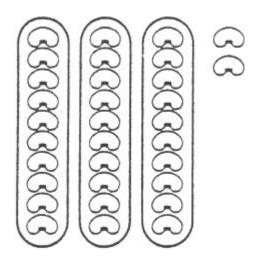
54.) Use the materials shown to find

46 + 8.

- a) 64
- b) 54
- c) 44
- d) 42

55.) Use the materials shown to find

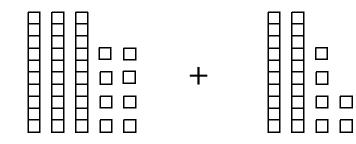
32 + 6.





- a) 26
- b) 34
- c) 38
- d) 39

56.) What total number of blocks is represented by the sum below?



- a) 64
- b) 56
- c) 58
- d) 44

#### **Solve Word Problems**

57.) Renee caught 3 fish in the morning. Then she caught 8 fish in the afternoon. How many fish did she catch altogether? (Use counters if needed.)

- a) 5
- b) 9
- c) 10
- d) 11

58.) Christie collected 15 eggs. Trent collected 7. How many **MORE** eggs did Christie collect than Trent? (Use counters if needed.)

- a) 7
- b) 8
- c) 9
- d) 25

59.) Keegan brings 28 cookies to school. She gives 1 cookie to each of 9 friends. How many cookies does Keegan have left? (Use counters if needed.)

- a) 19
- b) 17
- c) 23
- d) 21

#### **Estimating Solutions to Problems**

60.) Moriah's parents spent \$53 at the grocery store. **ABOUT** how much money is that?

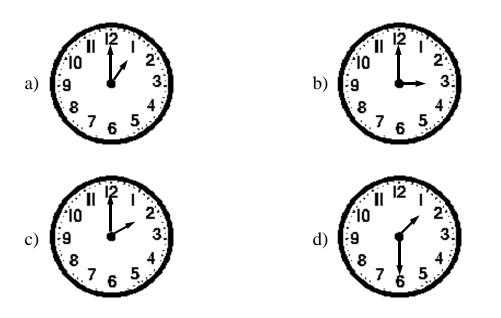
- a) a little less than \$40
- b) a little more than \$40
- c) a little less than \$50
- d) a little more than \$50

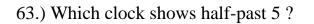
61.) Jeremy is 47 inches tall. **ABOUT** how many inches is that?

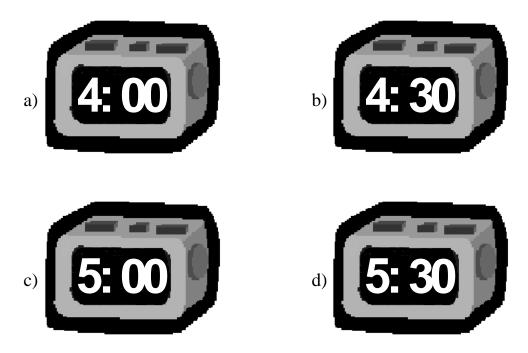
- a) a little less than 40
- b) a little more than 40
- c) a little less than 50
- d) a little more than 50

# **Time and Money**

62.) Which clock shows 1:00?







64.) Isaac cannot see the clock. Tell Isaac the time to the **NEAREST** half hour.



a) about nine thirty

- b) about ten o'clock
- c) about ten thirty
- d) about eleven o'clock

65.) Carlos paid the following for a candy bar.



How much money did the candy bar cost?

- a) 8¢
- b) 32¢
- c) 57¢
- d) 62¢

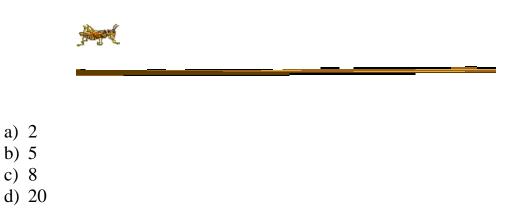
66.) Aimee bought an ice cream cone with the following coins.



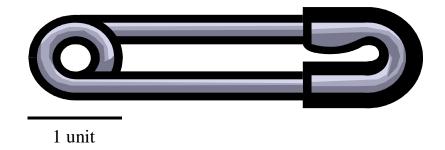
How much money did Aimee spend?

- a) 65¢
- b) 75¢
- c) 85¢
- d) 95¢

67.) ABOUT how many grasshoppers will fit on the stick?

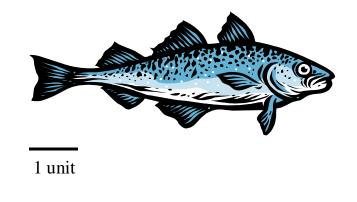


68.) ABOUT how many units long is the picture of the safety pin?



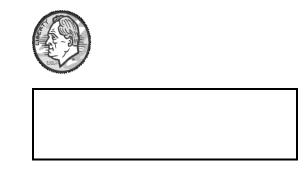
- a) 2
- b) 4
- c) 6
- d) 8

69.) ABOUT how many units long is the picture of the fish?



- a) 2
- b) 3
- c) 6
- d) 8

# 70.) **ABOUT** how many dimes will fit in the rectangle?



- a) 1
- b) 2
- c) 4
- d) 8

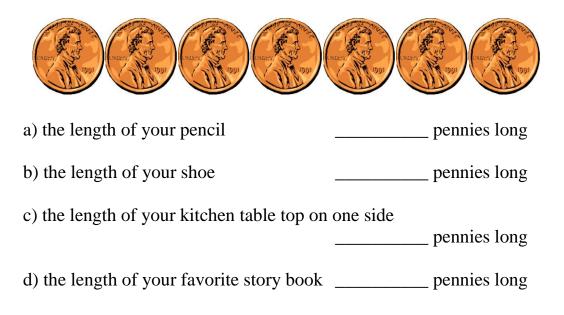
71.) Leah places books side by side on a short shelf. The books are all the same size. One book is shown. **ESTIMATE** the number of books that will fit on the shelf.



- a) 5
- b) 8
- c) 12
- d) 15

#### **Customary and Metric Measures**

72.) Use pennies to measure:



27

73.) Joe takes 12 giant steps to measure the length of his classroom. Next Joe measures the length taking small steps. Tell how the number of steps changes when Joe uses small steps.

74.) Which unit would be **BEST** to measure the length of a dinner fork?

- a) yards
- b) miles
- c) inches
- d) feet

75.) Which is a **REASONABLE** length for a baseball bat?

- a) 3 inches
- b) 3 feet
- c) 3 yards
- d) 3 miles

76.) Which is a **REASONABLE** length for a shoe?

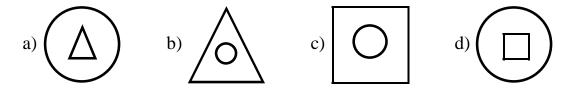
- a) 25 liters
- b) 25 kilometers
- c) 25 centimeters
- d) 25 meters

77.) Suppose you measure the height of your teacher's desk. Which unit will you **MOST** likely use?

- a) inches
- b) miles
- c) pounds
- d) hours

### **Geometric Shapes and Properties**

78.) Which figure is a triangle inside of a circle?

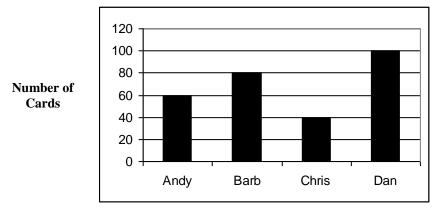


79.) Draw a rectangle.

80.) Draw a triangle.

#### Tables, Graphs, and Charts

81.) Use the graph below to figure out who collected **MORE** than 80 baseball cards?

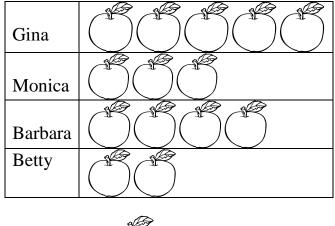


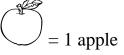
#### **Baseball Card Collections**



- a) Andy
- b) Barb
- c) Chris
- d) Dan

82.) Use the graph below to figure out how many apples the four girls picked altogether?





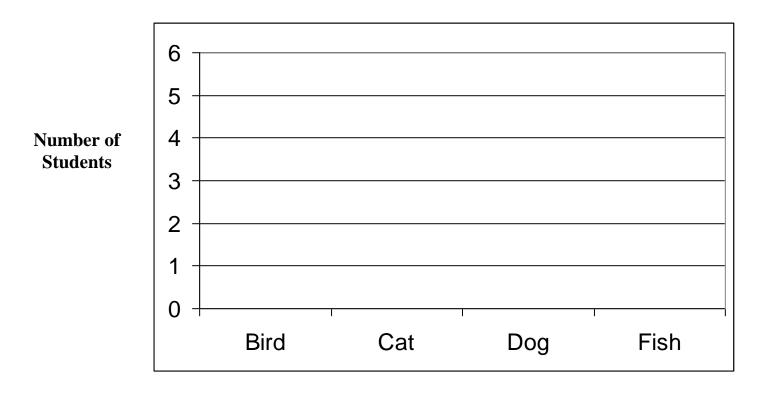
- a) 5
- b) 12
- c) 13
- d) 14

83.) Complete the **BAR** graph using the following information.

Pets	Number of Students
Bird	2
Cat	4
Dog	6
Fish	3

# **Family Pets**

# **Family Pets**



Pets

84.) Complete the **PICTOGRAPH** using the following information.

Student	Number of Books Read
Alex	6
Dan	3
Kim	5
Len	4

# **Reading Progress**

# **Reading Progress**

Student	Number of Books Read
Alex	
Dan	
Kim	
Len	

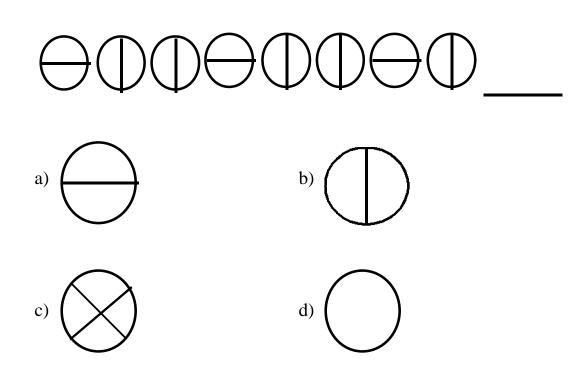
Use  $\Box = 1$  book

#### Patterns

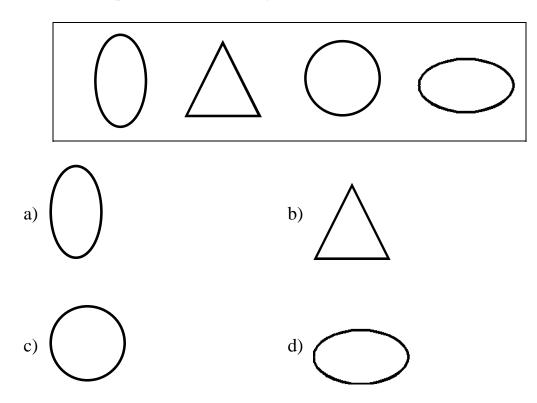
85.) What is the next number in the pattern? Write the number. Then write a sentence that explains why you wrote that number.

2, 4, 6, 8, 10, \_\_\_\_

86.) What is the next shape in the pattern?



87.) Which shape does NOT belong?

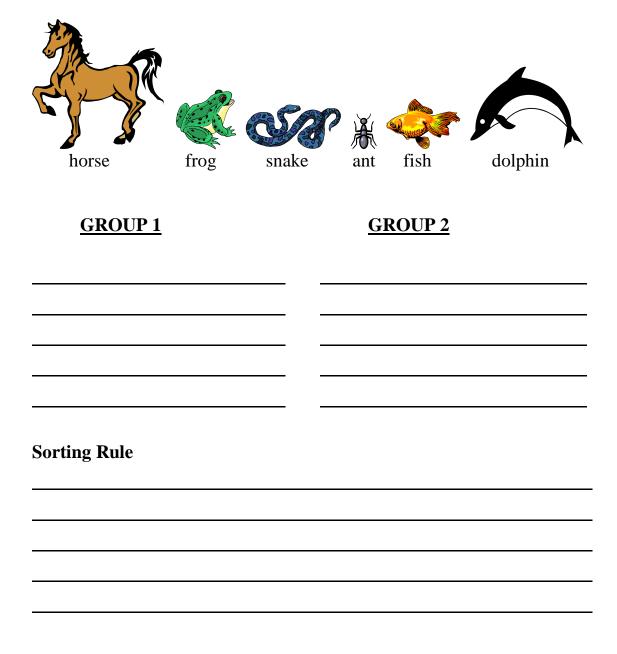


88.) Sandi bought these two stickers for her sister.



How are the stickers the **SAME**?

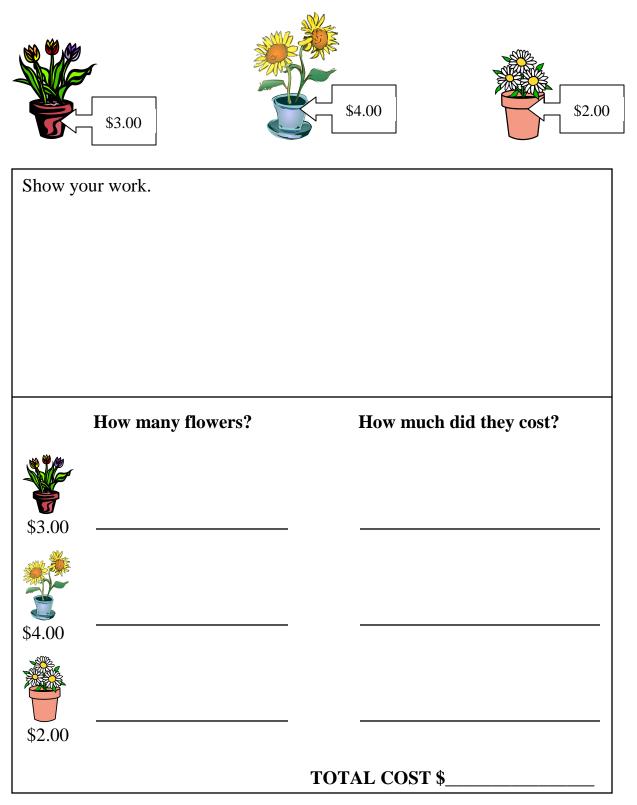
- a) height
- b) size
- c) color
- d) shape



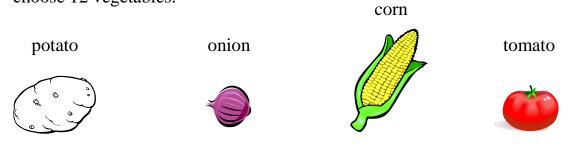
89.) Sort these animals into 2 groups. Write the sorting rule below.

# Mathematical Applications

90.) Jack spent \$15 on flower plants. He bought at least 1 of each kind. Show 1 way Jack could have spent \$15 on flowers.



91.) You are going to make "souper" summer soup for your family. <u>You</u> <u>have to use at least one of each type of vegetable to make your soup.</u> Write how many of each you use on the line under the vegetable. You must choose 12 vegetables.



Show your work.		