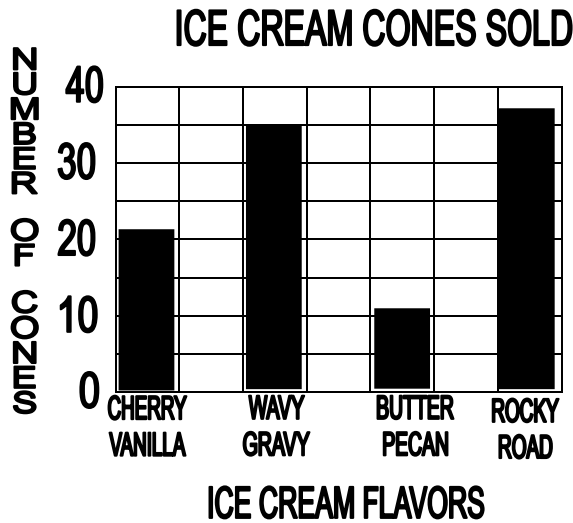


Name _____ Date _____

Part 7: Review of Objectives 19A – 22B

(19A)

The graph shows how many ice cream cones were sold at the carnival. Use the graph to answer questions 1 and 2.



1. How many more Rocky Road cones were sold than Cherry Vanilla?

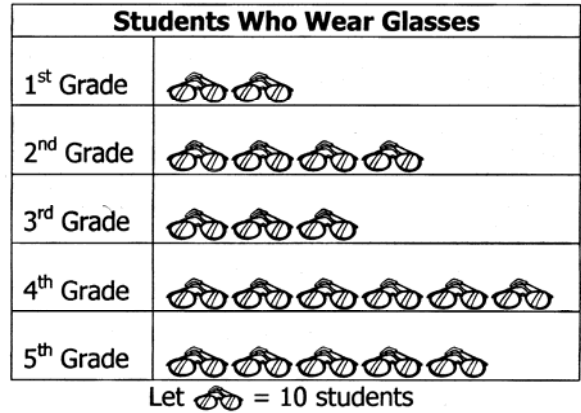
- 10
- 15
- 20
- 25

2. How many Wavy Gravy cones were sold?

- 26
- 29
- 33
- 38

(19A)

Use the pictograph below to answer questions 3 – 5.



3. How many students in grades one to five wear glasses?

- 20
- 40
- 100
- 200

4. Which two grades have a total of 100 students who wear glasses?

- 3rd grade and 4th grade
- 2nd grade and 4th grade
- 3rd grade and 5th grade
- 4th grade and 5th grade

5. How many grades have **fewer** than 50 students that wear glasses?

- 1
- 2
- 3
- 4

(19B)

6. Spencer took a survey of students' birthdays. The table shows the number of students who had birthdays from March to June.

SPRING BIRTHDAYS	
Month	Number of Students
March	12
April	20
May	6
June	14

Complete and label the **pictograph** using the same information.

SPRING BIRTHDAYS	
Month	Number of Students
March	
April	
May	
June	

Each represents 4 students

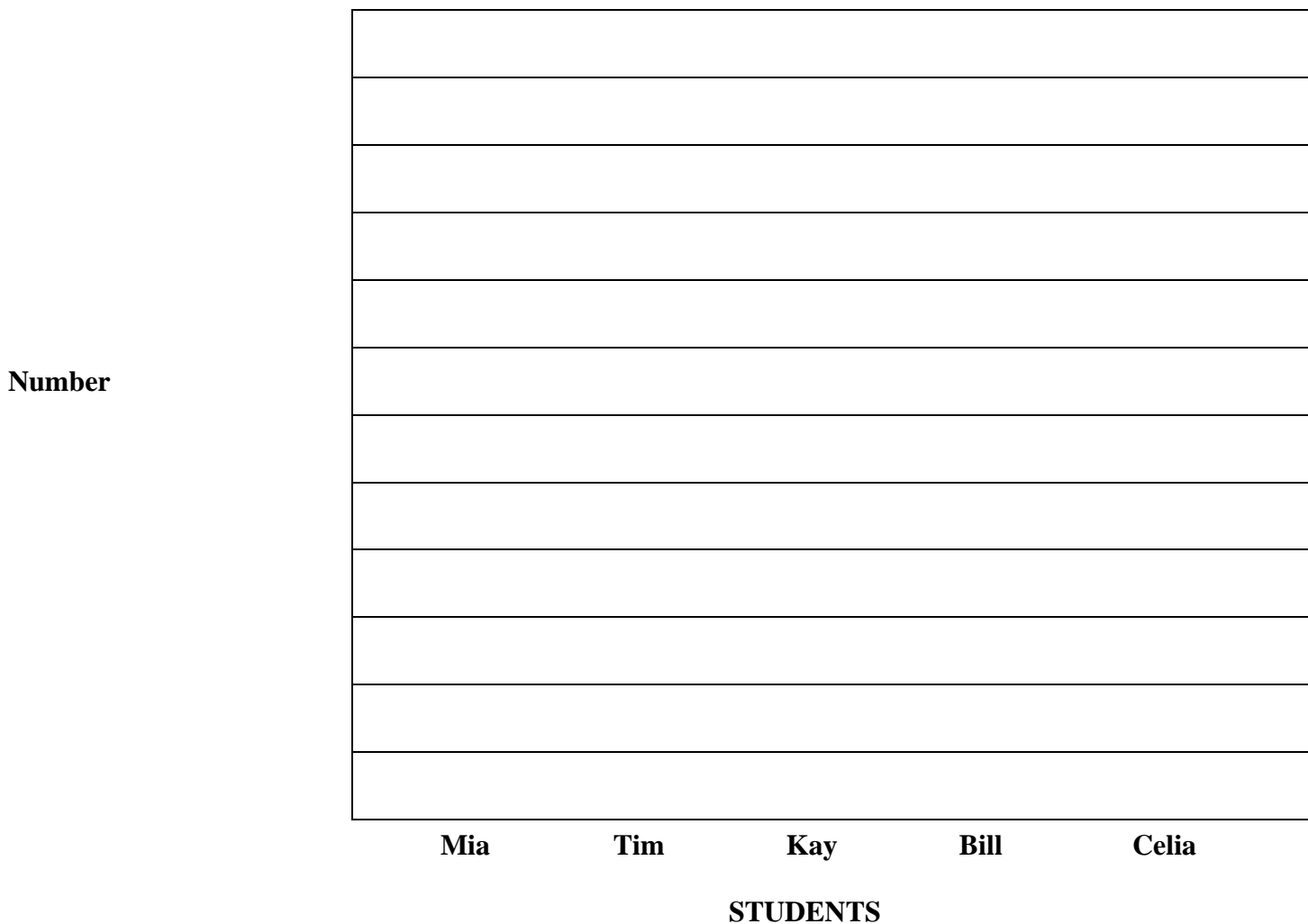
(19B)

7. The chart shows the number of pencils that students lost in one year.

PENCILS LOST IN ONE YEAR	
STUDENT	NUMBER OF PENCILS LOST
Mia	48
Tim	30
Kay	55
Bill	21
Celia	10

Label and complete the **bar graph** below to show the same information in the table. Do **not** shade the bars.

Pencils Lost in One Year



(21A)

8. A box contains 3 red pens, 3 black pens, and 4 blue pens. Suppose Bailey takes 1 pen **without looking**. Which statement below is true?

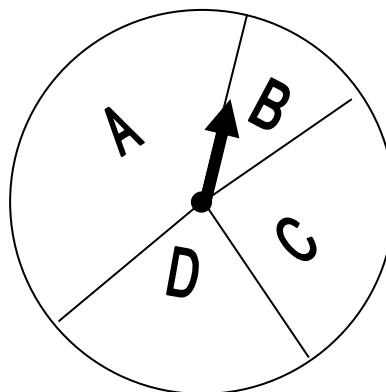
- Bailey is equally likely to take a red, black, or blue pen.
- Bailey is most likely to take a blue pen.
- Bailey is more likely to take a red pen than a black pen.
- Bailey is more likely to take a black pen than a blue pen.

(21A)

9. On the baseball team are 4 fifth graders and 6 fourth graders. Everyone's name is put in a hat. If one name is pulled out of the hat **without looking**, what is the **probability** that a fourth grader will be picked?

- 4 out of 6
- 4 out of 10
- 6 out of 10
- 10 out of 10

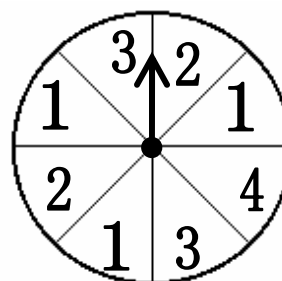
(21A)



10. If Teresa spins this spinner once, on which letter is the arrow **least** likely to land?

- A
- B
- C
- D

(21A)



11. Suppose Christina takes a spin. On which number is the arrow **least** likely to land?

- 1
- 2
- 3
- 4

(21A)

The 16 stickers listed below are placed in a box.
 One sticker is drawn from the box **without looking**.

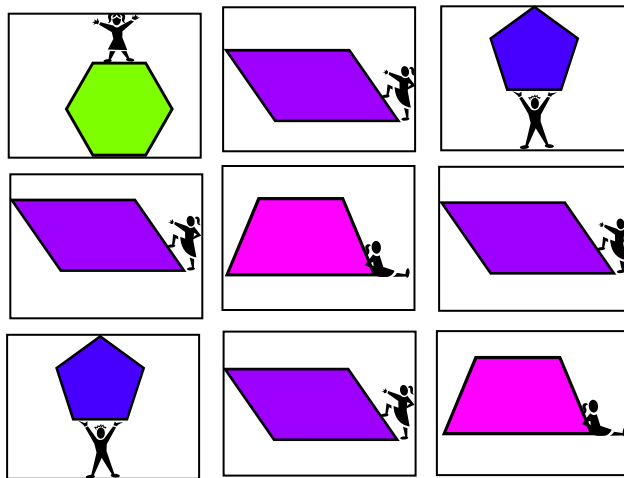
STICKERS	NUMBER
red	3
blue	5
green	2
yellow	7

12. What is the **probability** that a green sticker will be picked?

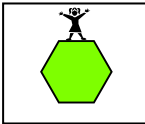
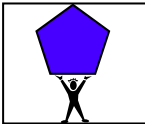
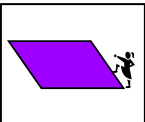
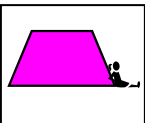
- $\frac{2}{7}$
- $\frac{2}{10}$
- $\frac{2}{12}$
- $\frac{2}{17}$

(21A)

The cards below were mixed and placed face down on the table. One card was picked **without looking**.



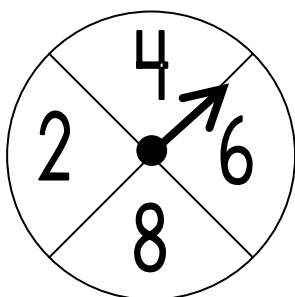
13. Which card has the **highest probability** of being picked?

- 
- 
- 
- 

(21A)

14. Peter and Brian are using the spinner below.

- Peter goes first.
- If the arrow lands on a number less than 5, Peter gets a point.
- If the arrow lands on a number greater than 5, Brian gets a point.



Is this game fair?

- Yes, because Brian spins second.
- No, because there are more even numbers than odd numbers.
- Yes, because Peter and Brian both have 2 numbers that will give them a point
- No, because Brian's numbers are greater than Peter's.

(21A)

15. Margaret and Ann both want the last piece of chocolate in the box. They decide to let CeCe pick a number from 1 to 7 **without looking**.

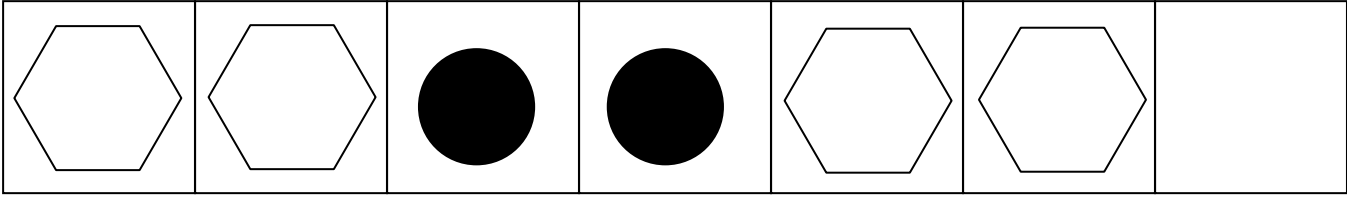
- Margaret will win if CeCe picks an odd number.
- Ann will win if CeCe picks an even number.

Is this fair to both girls?

- Yes, because there are more even numbers than odd numbers.
- No, because there are more odd numbers than even numbers.
- Yes, because there are an equal number of odd and even numbers.
- No, because Margaret and Ann are not the ones picking the number.

(22B)

16. Draw the next figure in this pattern. Then explain why you drew that figure.



(22B)

17. Write the number that should be next in the pattern.

42, 44, 48, 50, 54, _____

Number: _____

Explain why the number you wrote is the next number in the pattern.

(22A)

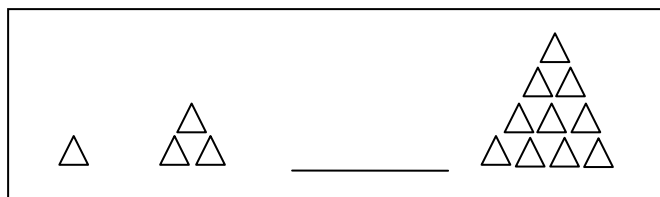
18. What number is missing in the pattern?

1436, 1537, 1638, ____

- 1637
- 1639
- 1739
- 1740

(22A)

The pattern below is a growing pattern.



19. Which set of shapes is missing in the growing pattern?

-
-
-
-

(22A)

The number follow a pattern.

3	6	9
8	11	14
13	16	19
18	21	

20. What number is missing in the chart?

- 22
- 23
- 24
- 25

(22A)

The shapes in the table follow patterns.

21. Which shape is missing in the pattern?

-
-
-
-

IN	OUT
5	1
15	3
25	5
10	2
30	

22. What number is missing in the table?

- 4
- 6
- 7
- 8

The table is following a rule.

Start	3	4	5	7	10
Finish	7	8	9	11	14

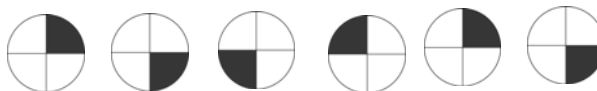
23. What rule is being followed?

- Multiply by 2
- Divide by 3
- Add 4
- Subtract 5

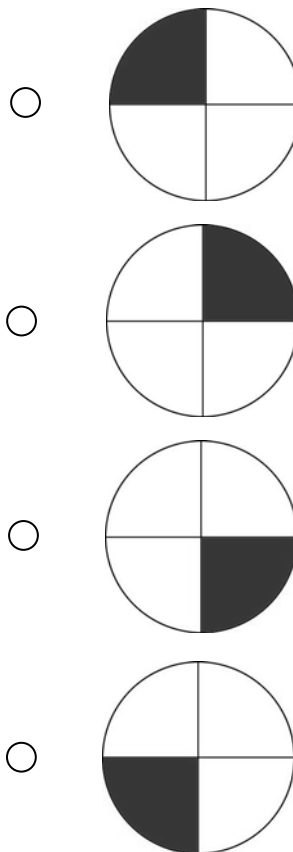
(22A)

(22A)

(22B)



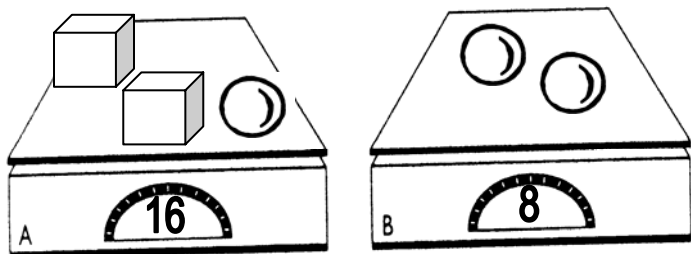
24. Which shape is next in the pattern?



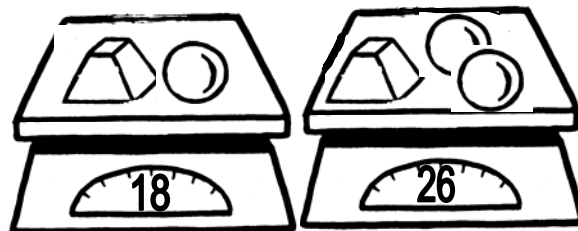
Name _____ Date _____


Part 8: Review of Objective 23A

The same objects weigh the same number of units.




The same objects weigh the same.



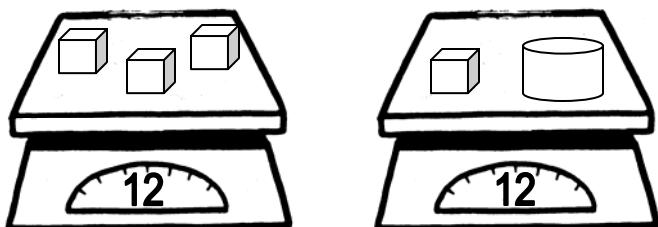
1. How many units does the  weigh?

- 3
- 6
- 8
- 10

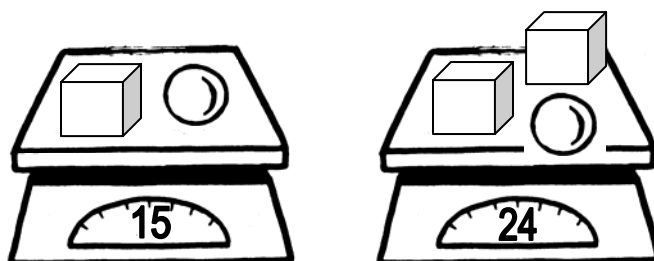
3. How many units does the  weigh?


- 6
- 8
- 10
- 12

The same objects weigh the same amount.




The same objects weigh the same.



2. How many units does one  weigh?

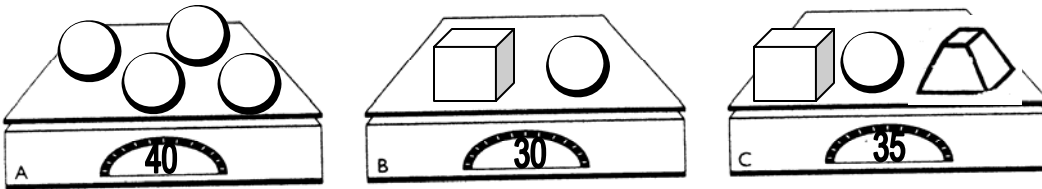
- 4
- 8
- 10
- 12


4. How much does one  weigh?

- 6
- 9
- 12
- 15

The same objects weigh the same amount.

(23A)

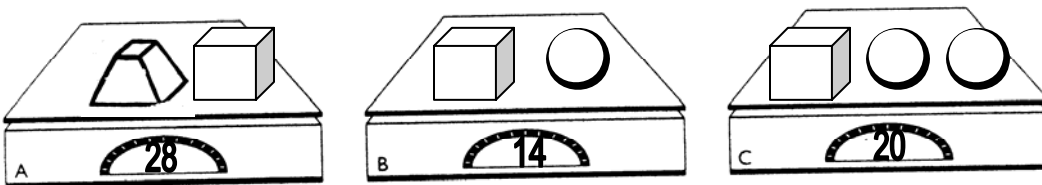



5. How many pounds does a  weigh?

- 5
- 10
- 15
- 20

The same objects weigh the same number of units.

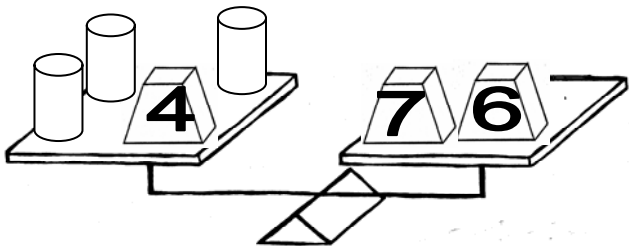
(23A)




6. How many units does the  weigh?

- 6
- 10
- 14
- 20

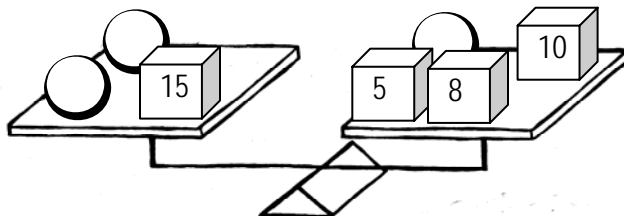
Both pans are equal in weight. The same objects weigh the same.




7. What is the weight, in units, of one  ?

- 1
- 2
- 3
- 4

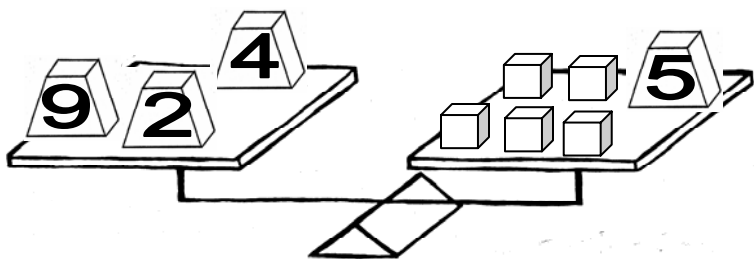
Both pans are equal in weight. The same objects weigh the same.




9. What is the weight of one  ?

- 4
- 8
- 12
- 16

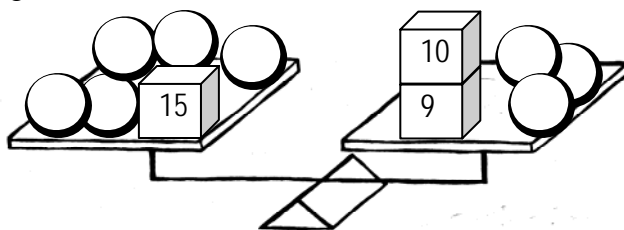
Both pans are equal in weight. The same objects weigh the same.




8. What much does one  weigh?

- 2
- 4
- 6
- 8

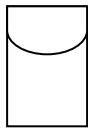

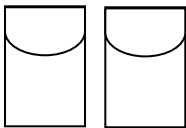
Both pans are equal in weight. The same objects weigh the same.







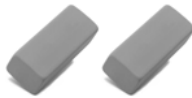

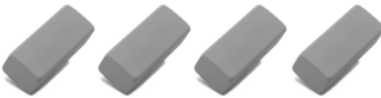
10. How many units does one  weigh?


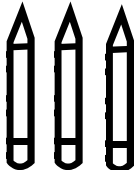
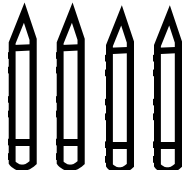
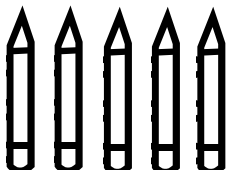
- 1
- 2
- 3
- 4




(23A)





11. If  =  , then  are equal to how many crayons?


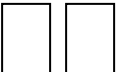


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- 
- 
- 

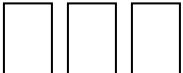
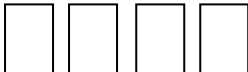
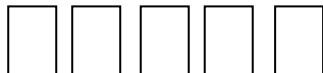

12. If  =  , then  are equal to how many pencils?

- 
- 
- 
- 

13. If  =  , then  = how many hearts? (23A)

- 
- 
- 
- 

14. If  =  , then  are equal to how many  ? (23A)

- 
- 
- 
- 

(23A)

15. What is the value of \square in the equation

$$42 - \square = 17 ?$$

- 25
- 35
- 39
- 59

(23A)

18. What is the value of \square in the equation

$$\square - 25 = 46 /$$

- 21
- 41
- 61
- 71

(23A)

$$35 + \square = 62$$

16. What is the value of \square in the equation?

- 97
- 93
- 33
- 27

(23A)

$$\square + 36 = 78$$

19. What is the value of \square in the equation above?

- 42
- 44
- 104
- 114

(23A)

17. What is the value of \square in the equation

$$\square = 15 + 29 ?$$

- 14
- 34
- 44
- 71

(23A)

20. What is the value of \square in the equation

$$\square = 82 - 37$$

- 39
- 45
- 55
- 59

(23A)

$$52 - 24 = \square$$

21. What is the value of \square in the equation?

- 10
- 18
- 28
- 42

(23A)

23. What is the value of \square in the equation

$$42 = 27 + \square ?$$

- 15
- 25
- 65
- 75

(23A)

22. What is the value of \square in the equation

$$56 = 94 - \square ?$$

- 32
- 38
- 42
- 48

(23A)

24. What is the value of \square in the equation

$$36 = 21 + \square ?$$

- 13
- 14
- 15
- 16

(23A)

(23A)

25. Which fact is part of the same fact family as

$$\square + 62 = 90$$

$$46 + \square = 84 ?$$

- $84 + 46 = \square$
- $84 - 46 = \square$
- $\square - 46 = 84$
- $84 + \square = 46$

28. Which fact is a member of the same fact family?

- $90 - 62 = \square$
- $\square - 62 = 90$
- $90 + 62 = \square$
- $62 - \square = 90$

(23A)

$$\square - 25 = 47$$

(23A)

26. Which fact is a member of the same fact family?

- $47 - 25 = \square$
- $\square + 47 = 25$
- $47 + \square = 25$
- $\square - 47 = 25$

29. Which fact is part of the same fact family as

$$85 - 29 = \square ?$$

- $29 - \square = 85$
- $\square - 85 = 29$
- $85 + 29 = \square$
- $29 + \square = 85$

(23A)

27. Which fact belongs with $27 + 38 = \square ?$

- $38 - 27 = \square$
- $\square + 27 = 38$
- $38 + 27 = \square$
- $38 + \square = 27$

(23A)

30. Which fact belongs with $120 - \square = 80 ?$

- $120 + 80 = \square$
- $120 - 80 = \square$
- $\square + 120 = 80$
- $120 + \square = 80$

Grade 4 (4th Gen) CMT Review Packet #3 – Student Booklet
Revised Feb. 17, 2006

Name _____ Date _____

Part 9: Review of Obj. 24A – 25A

(24A)

(24A)

1. Carson, Dalton, Beth, and Molly all know how tall they are.

- Carson is taller than Beth and Molly.
- Dalton is shorter than Molly.
- Beth is taller than Molly.

Who is the tallest person?

- Carson
- Dalton
- Beth
- Molly

(24A)

2. Eli, Claire, and Steve were all helping their parents wash windows.

- Claire washed 3 more windows than Steve.
- Steve washed 2 more windows than Eli.
- Eli washed 4 windows.

How many windows did Claire wash?

- 3
- 6
- 9
- 12

3. Sara, Chuck, Juan, and Mary ran in a race.

- Chuck beat Juan and Sara.
- Mary ran the slowest.
- Sara ran faster than Juan

On the lines below, write the names of the children in order of **fastest to slowest** runners.

Fastest: _____

Slowest: _____

(24A)

4. Heather, Tony, Mark, and Kubbie went to dinner at *The Pizza Palace*.

- Mark arrived before Kubbie.
- Tony arrived before Heather but after Kubbie.

Who arrived last? _____

Explain how you decided who arrived last.

Grade 4 (4th Gen) CMT Review Packet #3 – Student Booklet
Revised Feb. 17, 2006

(24A)

5. What is the mystery number?

- It is an even number.
- The digit in the ones place is twice as large as the digit in the tens place.

The mystery number is

- 15
- 21
- 12
- 16

(24A)

7. What is the mystery number?

- I am in between 25 and 40.
- I can be divided evenly by 3.
- I can be divided evenly by 5.

The mystery number is

- 27
- 30
- 35
- 39

(24A)

6. Read the clues below.

- I am greater than 39.
- I am less than 51.
- I am an odd number.
- The sum of my digits is 9.

Who am I?

- 36
- 63
- 49
- 45

(24A)

8. A missing number:

- is between (5×20) and (25×10) ,
- is a multiple of 50 [is included when you count by 50s], and
- has the tens digit as the largest digit.

What is the missing number?

- 120
- 150
- 200
- 260

(24A)

8. Perri had 55¢. She has no pennies. List all the different **combinations** of coins that Perri could have.

(24A)

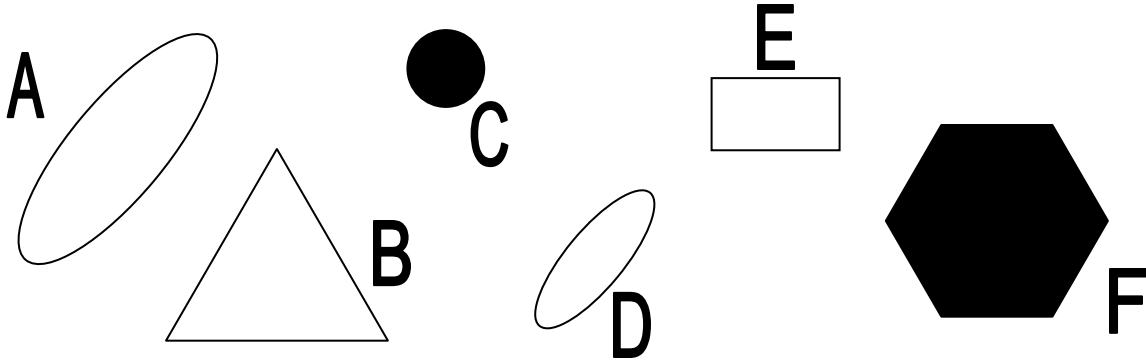
9. Sherri wanted dessert. She had several choices. She could have chocolate cake or yellow cake. She could have a small piece or a large piece. She could have a glass of white milk or chocolate milk.

How many different desserts could she have? _____

Show or explain how you determined your answer.

(24B)

10. Sort all 6 of these objects into 2 groups so that the objects in each group have something in common. Show how you grouped the objects by writing the letters from each object into the boxes labeled Group 1 and Group 2. Then write a sentence to explain how you decided to group the objects.

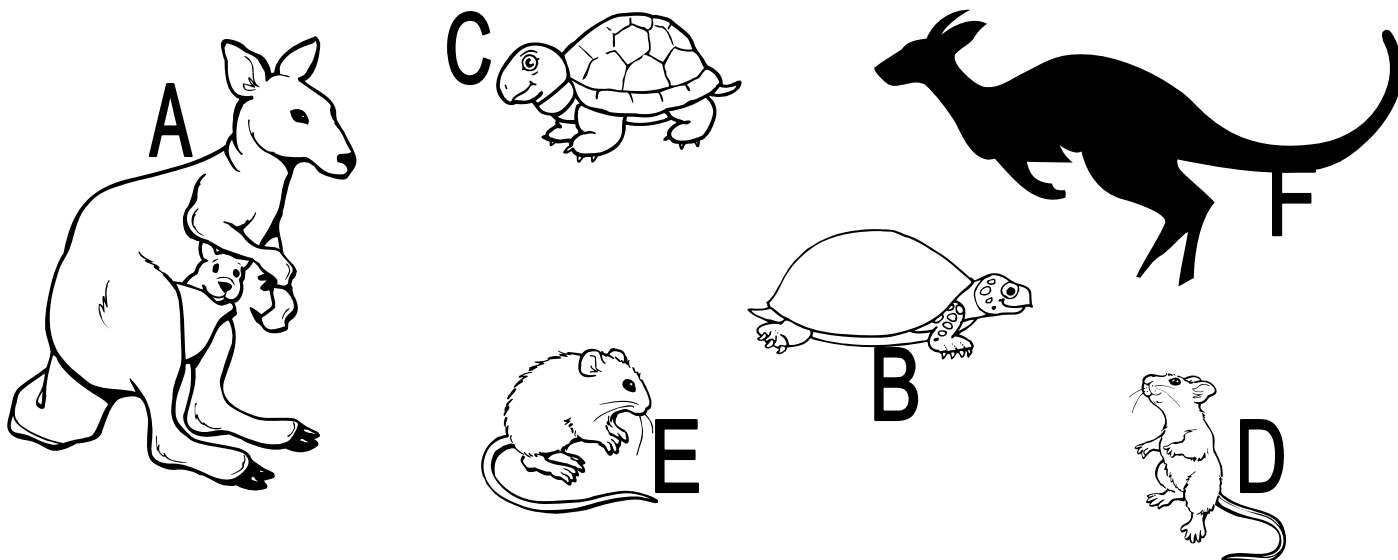


GROUP 1	GROUP 2

Explanation: _____

(24B)

11. Sort all 6 of these objects into 2 groups so that the objects in each group have something in common. Show how you grouped the objects by writing the letters from each object into the boxes labeled Group 1 and Group 2.



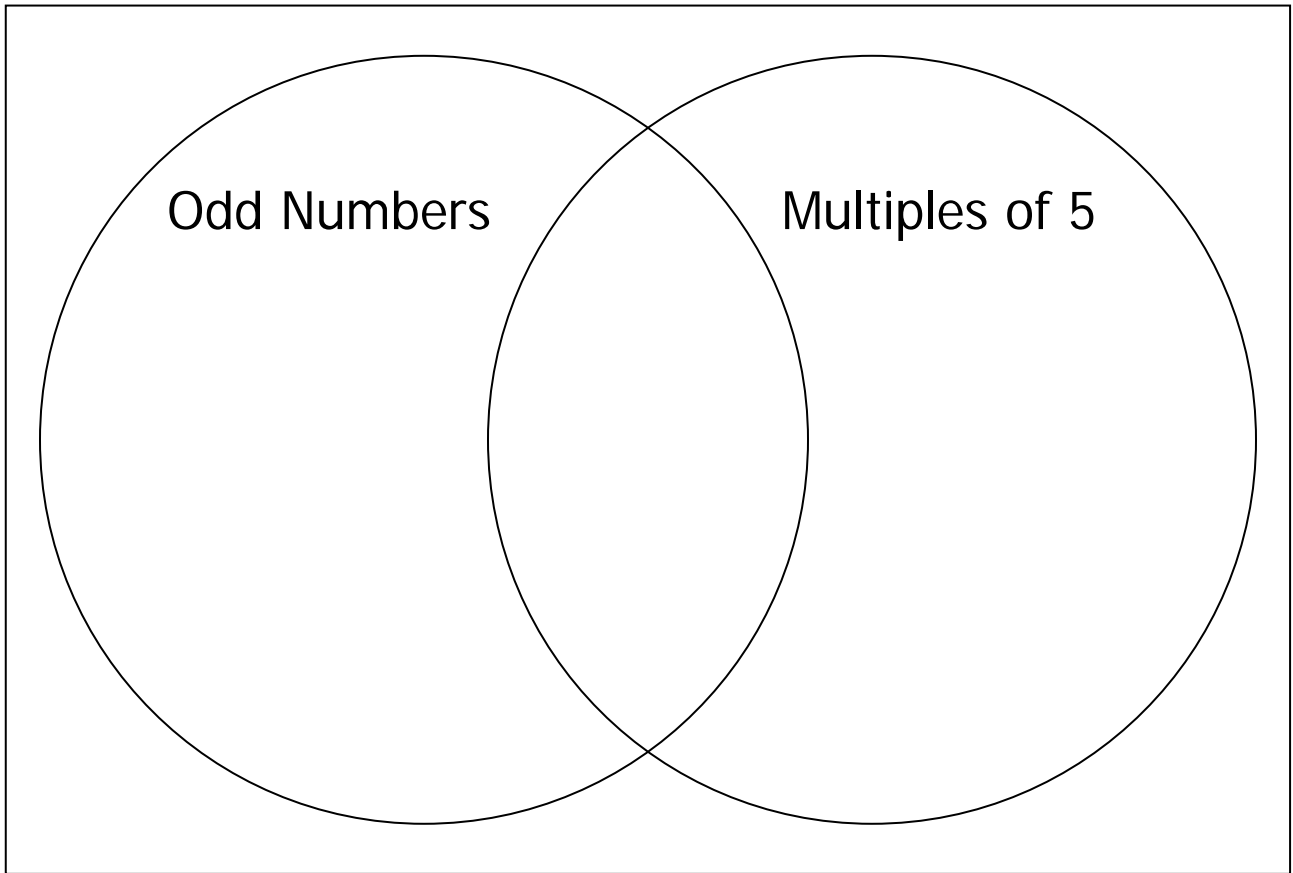
GROUP 1	GROUP 2

Explain how you decided to group the pictures.

(24B)

12. Write each number in the correct place in the Venn diagram.

10, 17, 20, 31, 35, 49, 55, 60



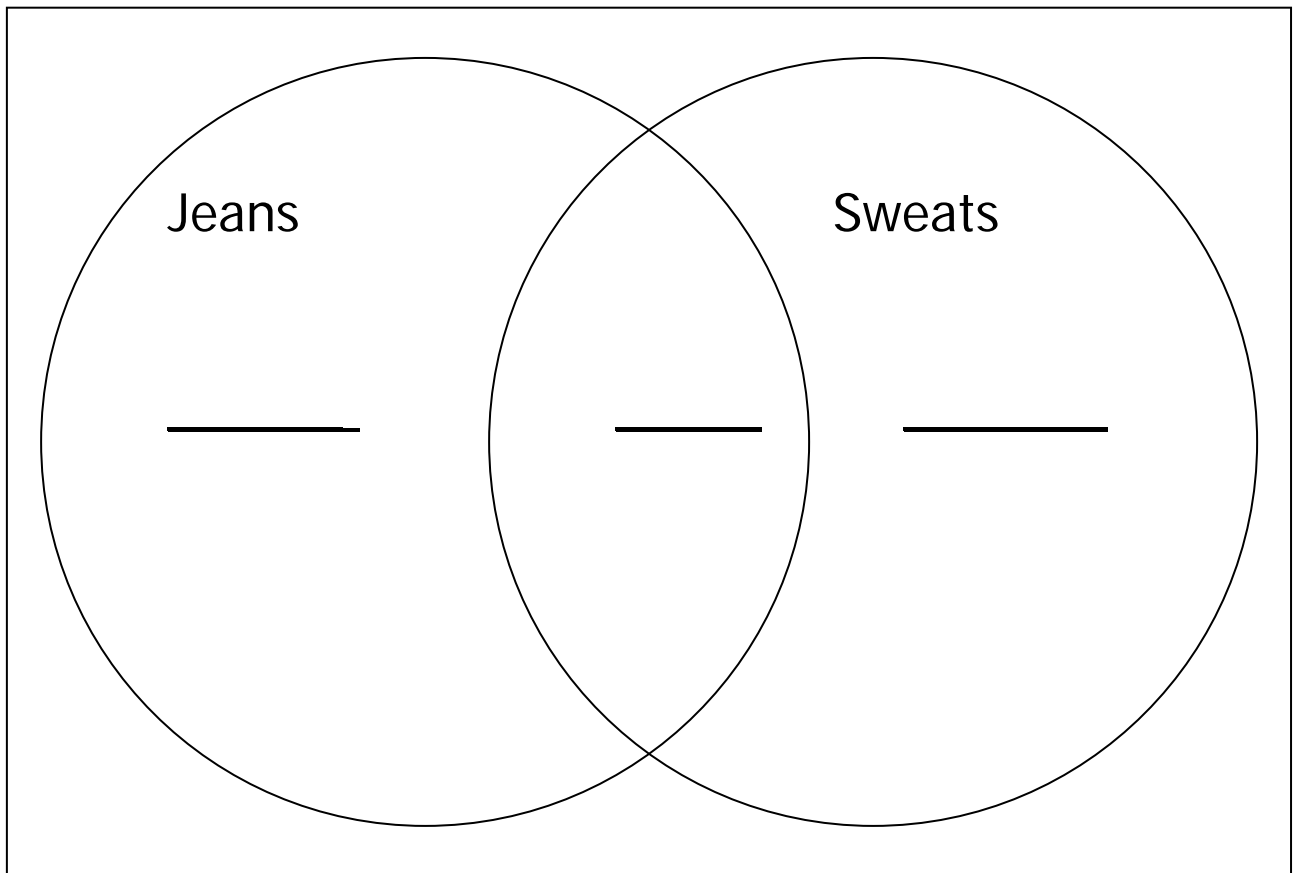
(24B)

13. Joshua took a survey of what 62 people found the most comfortable to wear.

- 31 people said they like to wear either jeans or sweats.
- 45 people said they liked to wear jeans.

Fill in the Venn diagram to answer the question.

How many people liked to wear sweats? _____



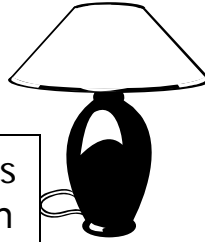
(25A)

14. Brittany is buying lamps for her new house. These are the types of lamps she wants:

Desk Lamps
\$10.00 each



Table Lamps
\$20.00 each



Ceiling Lamps
\$40.00 each



- She wants at least 3 of each type of lamp, and
- she plans to spend between \$225.00 and \$300.00.

Fill in the chart below to show how many of each type of lamp she bought.
 Show how you arrived at your answers.

Type of Lamp	Number of Lamps	Cost of Lamps
Desk Lamp		
Table Lamp		
Ceiling Lamp		
TOTAL:		

(25A)

15. Lindsay wants to earn enough money to buy a new flash drive for her computer. She created the following table to show the hours she was available to work every day.

Day	Hours Available to Work
Saturday	6 hours
Sunday	3 hours
Monday	2 hours
Tuesday	1 hour
Wednesday	1 hour
Thursday	1 hour
Friday	2 hours



If Lindsay earns \$2 per hour and can work only 10 hours each week, how many weeks will it take her to earn the money necessary to purchase a flash drive that costs \$100?

Lindsay must work _____ weeks.

In the space below, create a schedule that shows the 10 hours Lindsay could work. Also, show how you arrived at your solution.

(25A)

16. The bookstore buys paperbacks and hard-cover books. The chart below shows the number of books in stock (ready to sell) and the selling price of the books.

TYPE OF BOOK	NUMBER IN STOCK	PRICE OF ONE BOOK
Paperback	25	\$4
Hardcover	10	\$10

On Friday, the store owner sold at least \$140 worth of books. He did NOT sell all his books.

- Show how many of each type of book could have been sold that day.
- Show or explain how you arrived at your solution.