

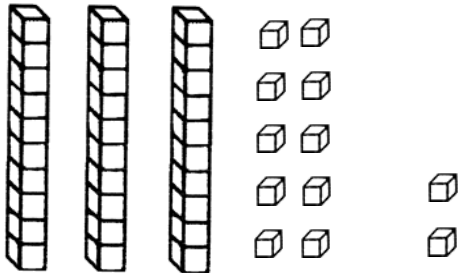
Name \_\_\_\_\_

Date \_\_\_\_\_

Part 1

(1B)

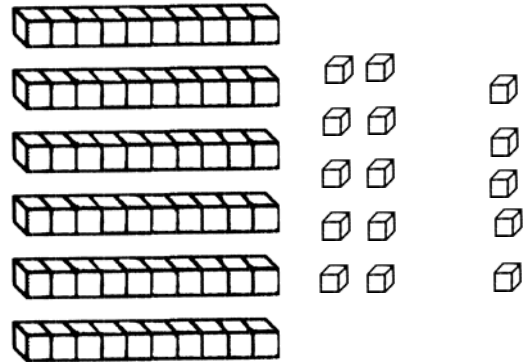
1. Which number means the same as what is shown in the picture?



- 15
- 24
- 42
- 60

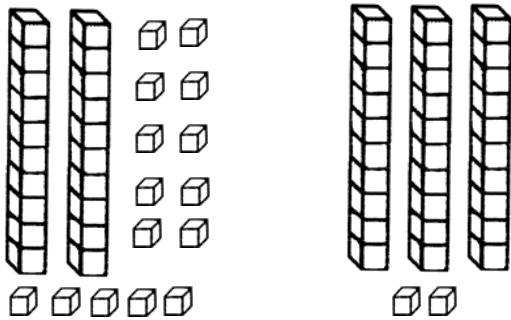
(1B)

3. Which number means the same as the picture of the base ten blocks shown below?



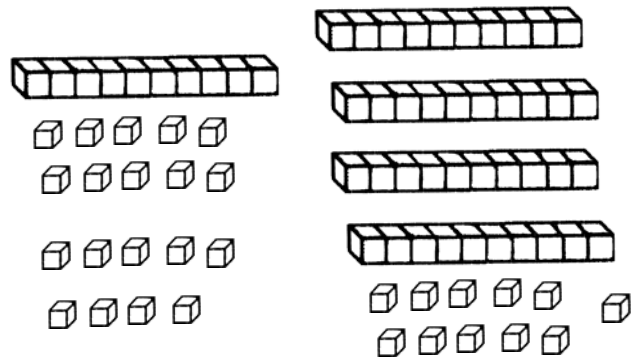
- 75
- 65
- 55
- 45

2. Which number shows the same amount as the picture of the base ten blocks?



- 22
- 57
- 67
- 72

4. Which number names the same amount as the picture of the base ten blocks?



- 100
- 91
- 80
- 71

(4A)

The chart shows the speed of some of the fastest flying birds. Use the chart to answer questions 7 – 9.

Name of Bird	Speed (Miles per Hour)
Swan	44
Goose	34
Crane	42
Pigeon	39

5. Which bird flew **faster (greater)** than 43 miles per hour?

- Swan
- Goose
- Crane
- Pigeon

6. Which bird flew **slower (less)** than 36 miles per hour?

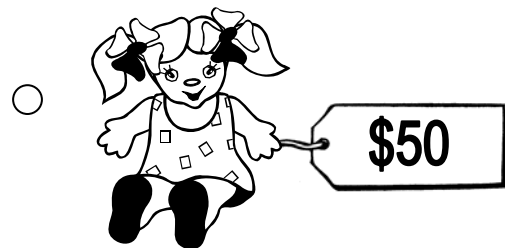
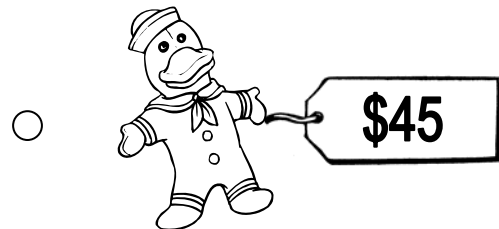
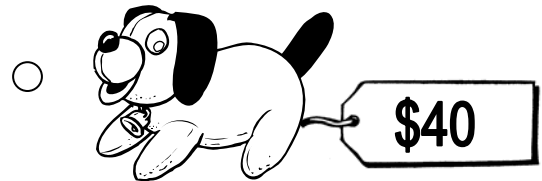
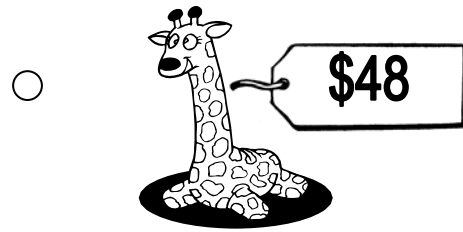
- Swan
- Goose
- Crane
- Pigeon

7. A mallard duck flew **faster** than the pigeon and **slower** than the crane. How fast did the mallard fly?

- 48
- 32
- 40
- 35

(4A)

8. Amy has \$43 to spend. Which is the only toy that costs **less** than \$43?



9. Look at the numbers below.

15	42	37	68
----	----	----	----

Which number is **greater** than 50?

- 15
- 42
- 37
- 68

(4B)

10. This chart shows the ages of three people.

How old are you?	
PERSON	YEARS
Moe	25
Curly	33
Larry	18

If the three people were listed in order of age from **youngest to oldest**, which list below would be correct?

- Moe, Curly, Larry
- Larry, Moe, Curly
- Moe, Larry, Curly
- Larry, Curly, Moe

11. Look at the chart in problem 10 above. Which list below shows the ages of Moe, Curly, and Larry listed in order from **greatest to least**.

- 25, 33, 18
- 25, 18, 33
- 33, 25, 18
- 33, 18, 25

(4B)

In 2003, four new colors were added to the crayon box. The chart below shows how the second graders voted:

Favorite New Crayon Color	Number of Votes
Inch Worm	28
Jazzberry Jam	37
Mango Tango	22
Blue Yonder	32

12. If the colors were written in order from **least to greatest** number of votes, which color would be written last with the **greatest** number of votes?





- Inch Worm
- Jazzberry Jam
- Mango Tango
- Blue Yonder

13. Look at the chart in Problem 12. If the colors were written in order from **least to greatest** number of votes, which color would be written first?

- Inch Worm
- Jazzberry Jam
- Mango Tango
- Blue Yonder

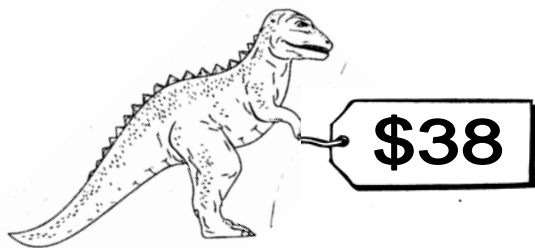
(4C)

14. Shown below are four toys and their prices. Which toy cost \$2 **more** than the skateboard?

- 
- 
- 
- 

15. The T-Rex is on sale for \$2 **less** than the price shown. How much money does the T-Rex cost on sale?

- \$40
- \$32
- \$36
- \$28



(4C)

16. This chart shows how many cookies were eaten on four different days.

COOKIES EATEN	
DAY	NUMBER
Tuesday	38
Wednesday	43
Thursday	39
Friday	45

On which day was 1 **less** cookie eaten than on Thursday?

- Tuesday
- Wednesday
- Thursday
- Friday

This table shows the number of prizes that five children won at the fair.

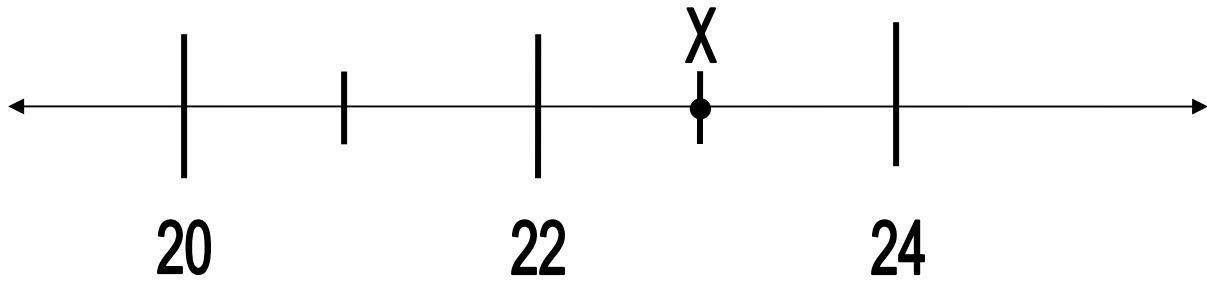
PRIZES WON	
CHILD	NUMBER
Mary	25
Jerry	28
Terri	21
Harry	26
Larry	35

17. Who won 1 **more** prize than Mary did?

- Jerry
- Terri
- Harry
- Larry

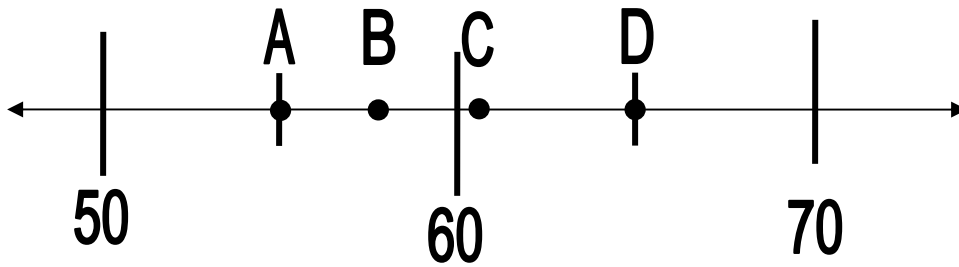
(4E)

18. Point X shows which number on the number line below?



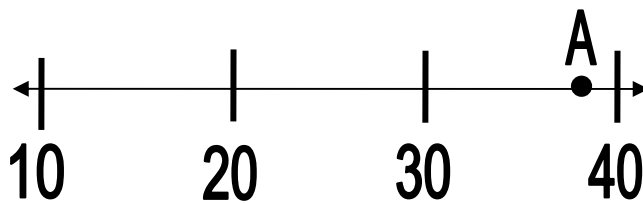
- 21                       25  
 23                       27

19. The number 61 would be **closest** to which point on the number line?



- A                               C  
 B                               D

20. Which number would point A be CLOSEST to on the number line?

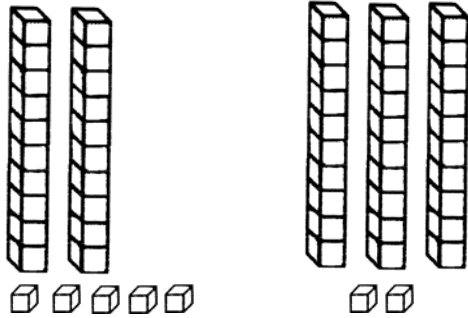


- 32                               38  
 35                               41

Name \_\_\_\_\_ Date \_\_\_\_\_ Part 2

(7A)

1. Use the materials shown to find  $25 + 32$ .

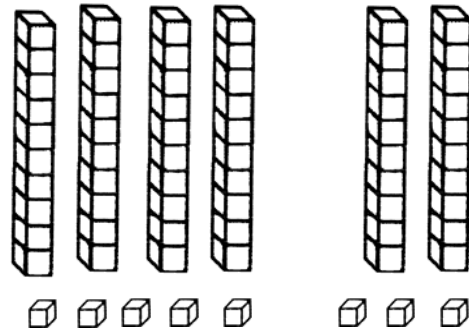


- 12
- 30
- 57
- 68

(7A)

3. Use the materials shown to find

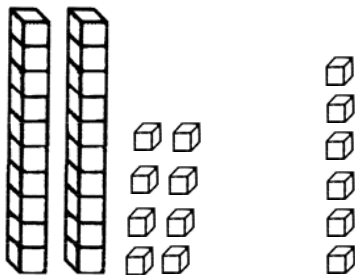
$$\begin{array}{r} 45 \\ +23 \\ \hline \end{array}$$



- 22
- 28
- 62
- 68

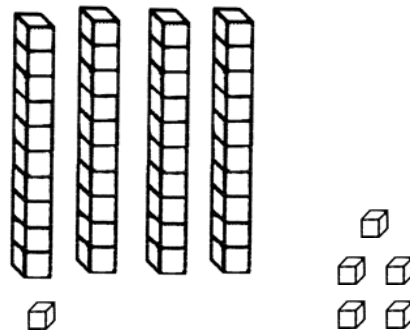
2. Use the materials shown to find

$$\begin{array}{r} 28 \\ + 6 \\ \hline \end{array}$$



- 16
- 22
- 34
- 36

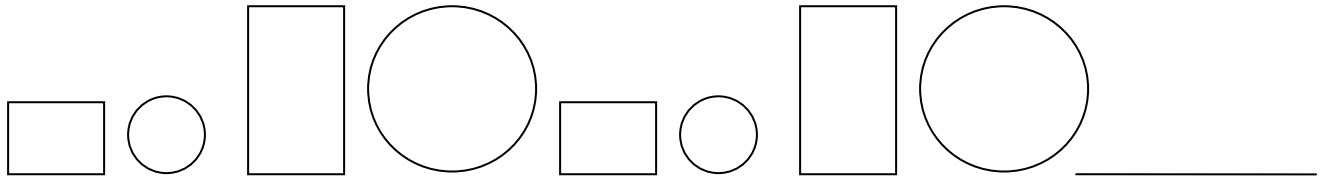
4. Use the materials shown to find  $41 + 5$ .



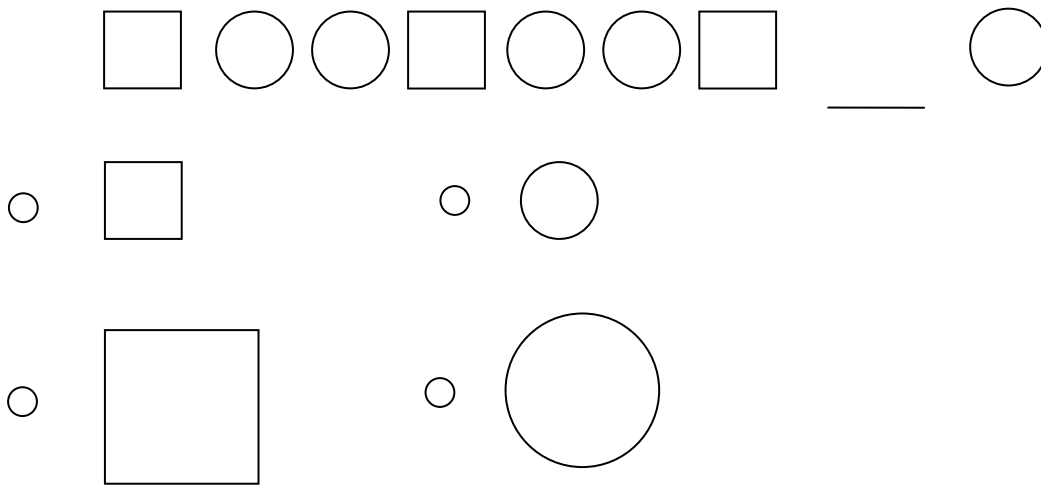
- 10
- 44
- 46
- 91

(22A/B)

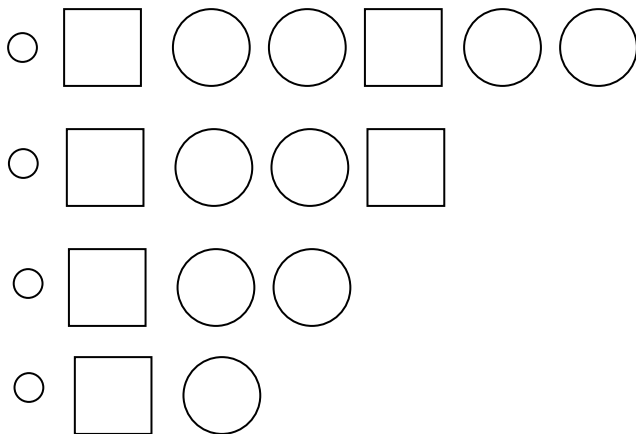
5. Draw the shape that completes the pattern.



6. Fill in the bubble of the shape that is missing in the pattern.



7. Look at the pattern in question 6. Bubble in the answer that names the exact pattern **without any repeating** of the pattern.



(22A)

8. Write the number that is missing in the pattern.

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

9. Bubble in the correct answer to the number that completes the pattern.

18, 15, 12, 9, \_\_\_\_\_

- 3       6  
 5       8

10. Which number comes next in the pattern? Write the number. Then write a sentence telling why you wrote that number.

1 3 5 7 \_\_\_\_\_

Number: \_\_\_\_\_

Explanation: \_\_\_\_\_

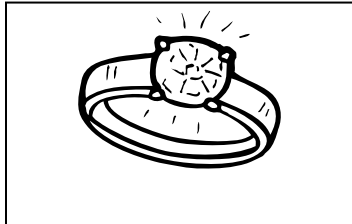
\_\_\_\_\_

\_\_\_\_\_

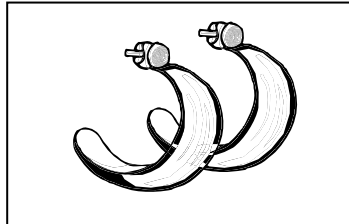
\_\_\_\_\_

Name \_\_\_\_\_ Date \_\_\_\_\_ (25A)

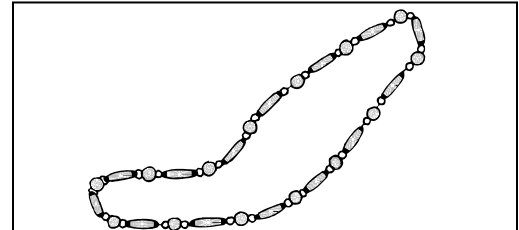
Maria has \$20. These are the items she wants to buy.



Rings \$2.00



Earrings \$3.00



Necklaces \$4.00

ITEMS	NUMBER BOUGHT	COST OF ITEMS
Rings	1	\$ 2
Earrings	1	\$ 3
Necklaces	4	\$16
TOTALS	6	\$2

She wants to buy

- **no more than 10** items and

- plans to buy **at least** one of each item.
- She must spend **about** \$20.00

Fill in the chart below to show one list of items Maria could buy.

- Show how many of each item she should buy.
- Show the total cost.
- Show how you got your answer.

ITEMS	NUMBER BOUGHT	COST OF ITEMS
Rings		
Earrings		
Necklaces		
TOTALS		

Use another paper to show your work if you need more space.

Topic 4: Numbers to 1,000 and Number Patterns (15 Lessons)  
June 19, 2006

PART 1:

- ◆ 1B. Identify alternative forms of expressing whole number  $< 100$  by regrouping using pictures of base ten materials.
- ◆ 4A. Identify a number larger or smaller than a given set of numbers  $< 100$ .  
(Magnitude of Numbers)
- ◆ 4B. Order whole numbers  $< 100$ .
- ◆ 4C. Solve problems involving one or two more or less than a given number.
- ◆ 4E. Identify points representing whole numbers on a number line and vice versa.

PART 2:

- ◆ 7A. Use base ten materials to add 1- and 2-digit whole numbers with and without regrouping.
- ◆ 22A. Extend or complete number patterns.
- ◆ 22B. Identify or state rules for given patterns.
- ◆ 25A: Solve extended numerical and statistical problems.

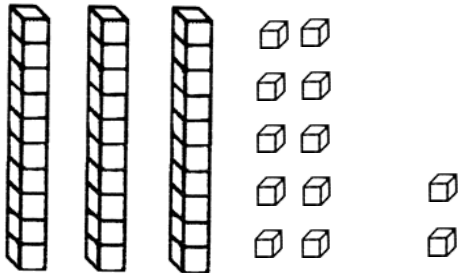
Name \_\_\_\_\_

Date \_\_\_\_\_

Part 1

(1B)

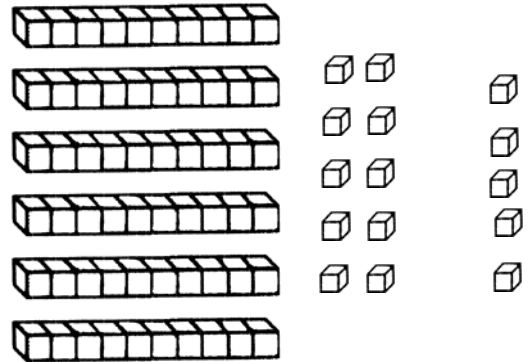
1. Which number means the same as what is shown in the picture?



- 15
- 24
- 42 \*\*\*
- 60

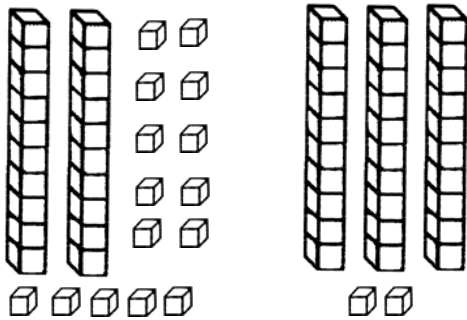
(1B)

3. Which number means the same as the picture of the base ten blocks shown below?



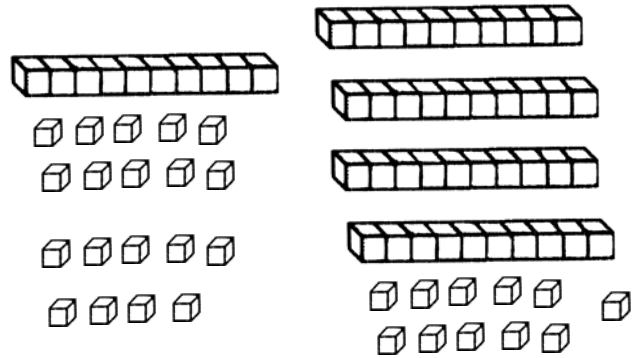
- 75 \*\*\*
- 65
- 55
- 45

2. Which number shows the same amount as the picture of the base ten blocks?



- 22
- 57
- 67 \*\*\*
- 72

4. Which number names the same amount as the picture of the base ten blocks?



- 100
- 91
- 80 \*\*\*
- 71

(4A)

The chart shows the speed of some of the fastest flying birds. Use the chart to answer questions 7 – 9.

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Crane	42
Pigeon	39

5. Which bird flew **faster (greater)** than 43 miles per hour?

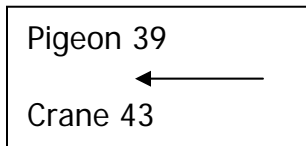
- Swan \*\*\*
- Goose
- Crane
- Pigeon

6. Which bird flew **slower (less)** than 36 miles per hour?

- Swan
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- Crane
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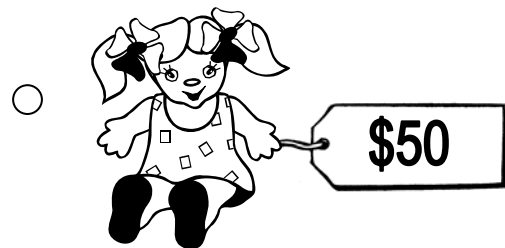
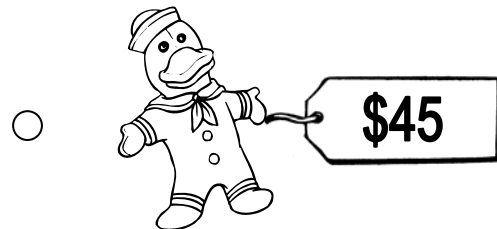
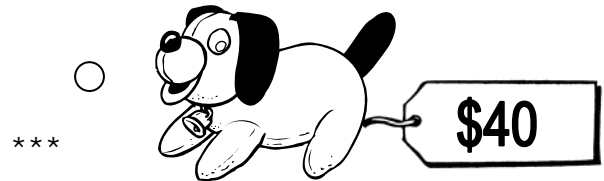
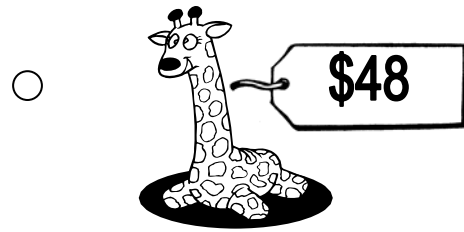
7. A mallard duck flew **faster** than the pigeon and **slower** than the crane. How fast did the mallard fly?

- 48
- 32
- 40 \*\*\*
- 35



(4A)

8. Amy has \$43 to spend. Which is the only toy that costs **less** than \$43?



9. Look at the numbers below.

15	42	37	68
----	----	----	----

Which number is **greater** than 50?

- 15
- 42
- 37
- 68 \*\*\*

(4B)

10. This chart shows the ages of three people.

How old are you?	
PERSON	YEARS
Moe	25
Curly	33
Larry	18

If the three people were listed in order of age from **youngest to oldest**, which list below would be correct?

- Moe, Curly, Larry
- Larry, Moe, Curly \*\*\*
- Moe, Larry, Curly
- Larry, Curly, Moe

11. Look at the chart in problem 10 above. Which list below shows the ages of Moe, Curly, and Larry listed in order from **greatest to least**.

- 25, 33, 18
- 25, 18, 33
- 33, 25, 18 \*\*\*
- 33, 18, 25

(4B)

In 2003, four new colors were added to the crayon box. The chart below shows how the second graders voted:

Favorite New Crayon Color	Number of Votes
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Blue Yonder	32

12. If the colors were written in order from **least to greatest** number of votes, which color would be written last with the **greatest** number of votes?

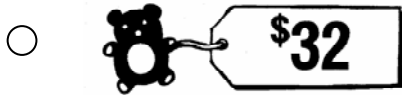
- Inch Worm
- Jazzberry Jam \*\*\*
- Mango Tango
- Blue Yonder

13. Look at the chart in Problem 12. If the colors were written in order from **least to greatest** number of votes, which color would be written first?

- Inch Worm
- Jazzberry Jam
- Mango Tango \*\*\*
- Blue Yonder

(4C)

14. Shown below are four toys and their prices. Which toy cost \$2 **more** than the skateboard?



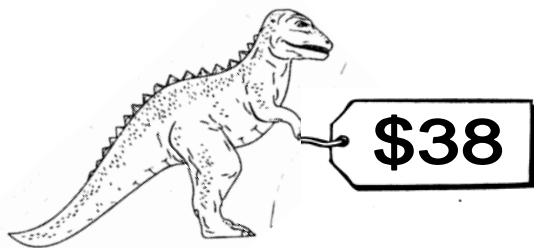
(4C)

16. This chart shows how many cookies were eaten on four different days.

COOKIES EATEN	
DAY	NUMBER
Tuesday	38
Wednesday	43
Thursday	39
Friday	45

On which day was 1 **less** cookie eaten than on Thursday?

- Tuesday \*\*\*
- Wednesday
- Thursday
- Friday



15. The T-Rex is on sale for \$2 **less** than the price shown. How much money does the T-Rex cost on sale?

- \$40
- \$32
- \$36 \*\*\*
- \$28

This table shows the number of prizes that five children won at the fair.

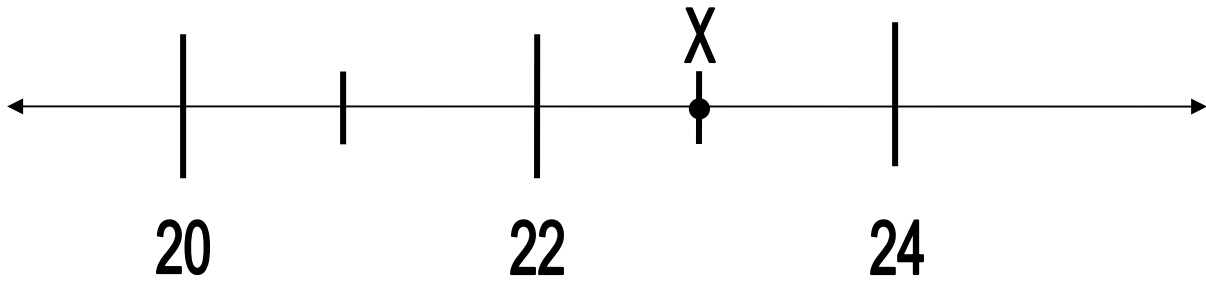
PRIZES WON	
CHILD	NUMBER
Mary	25
Jerry	28
Terri	21
Harry	26
Larry	35

17. Who won 1 **more** prize than Mary did?

- Jerry
- Terri
- Harry
- Larry \*\*\*

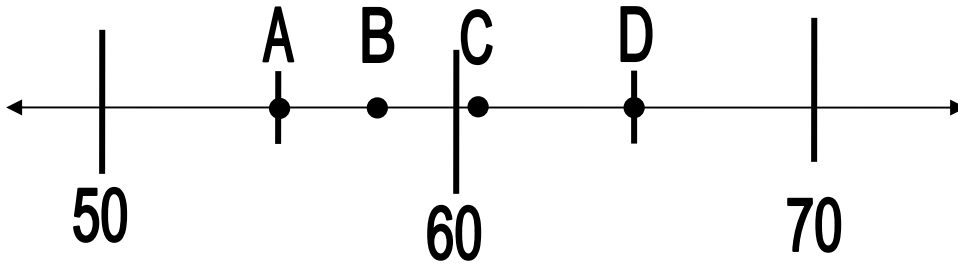
(4E)

18. Point X shows which number on the number line below?



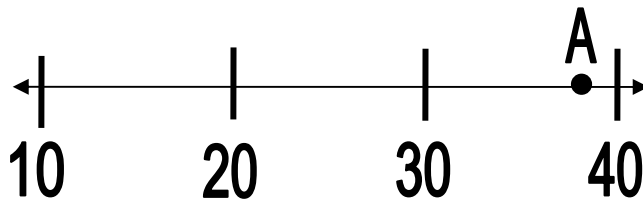
- 21                       25  
 23 \*\*\*                   27

19. The number 61 would be **closest** to which point on the number line?



- A                           C \*\*\*  
 B                           D

20. Which number would point A be CLOSEST to on the number line?

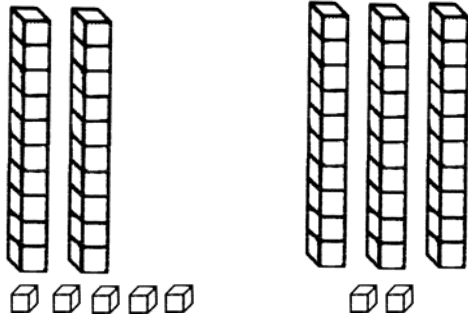


- 32                           38 \*\*\*  
 35                           41

Name \_\_\_\_\_ Date \_\_\_\_\_ Part 2

(7A)

1. Use the materials shown to find  $25 + 32$ .

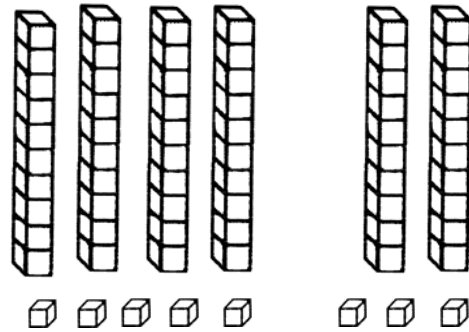


- 12
- 30
- 57 \*\*\*
- 68

(7A)

3. Use the materials shown to find

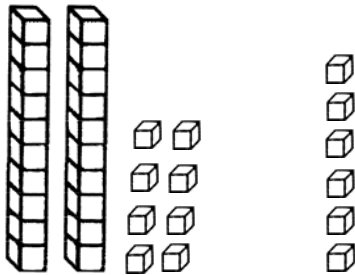
$$\begin{array}{r} 45 \\ +23 \\ \hline \end{array}$$



- 22
- 28
- 62
- 68 \*\*\*

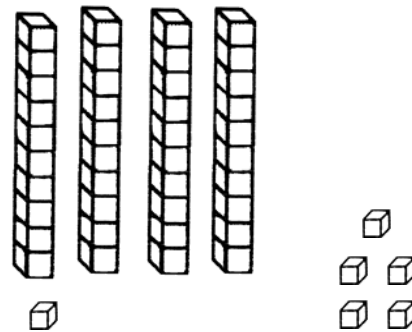
2. Use the materials shown to find

$$\begin{array}{r} 28 \\ + 6 \\ \hline \end{array}$$



- 16
- 22
- 34 \*\*\*
- 36

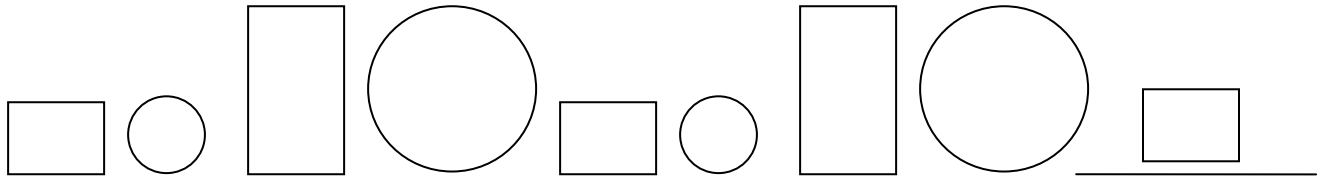
4. Use the materials shown to find  $41 + 5$ .



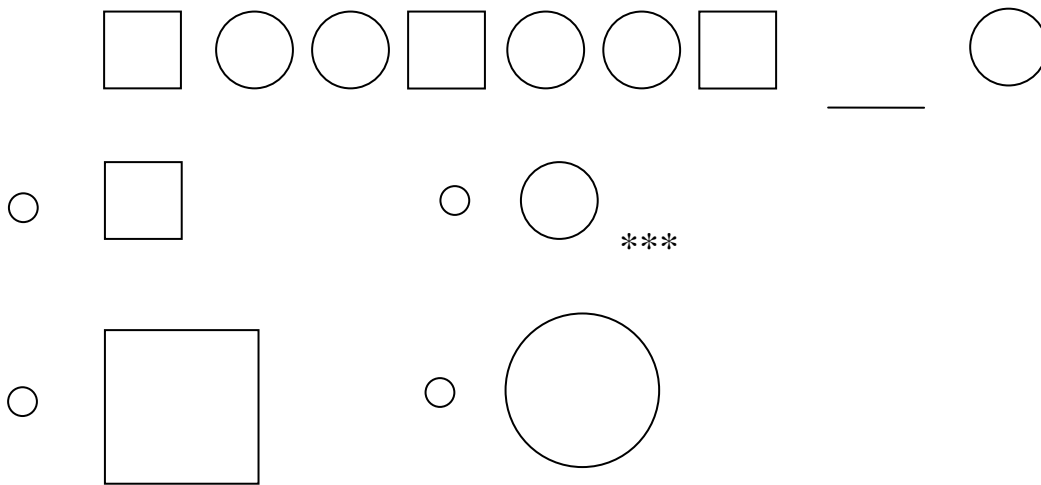
- 10
- 44
- 46 \*\*\*
- 91

(22A/B)

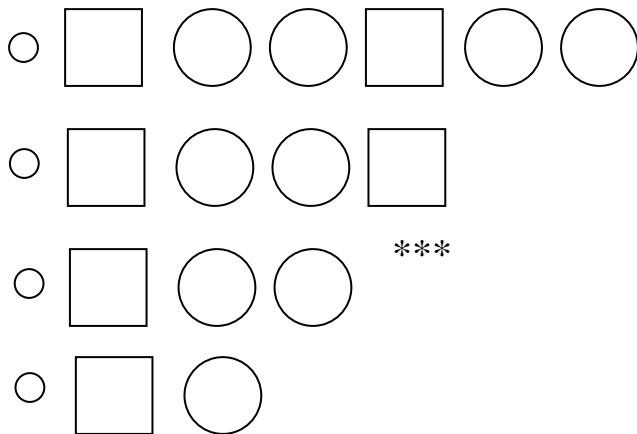
5. Draw the shape that completes the pattern.



6. Fill in the bubble of the shape that is missing in the pattern.



7. Look at the pattern in question 6. Bubble in the answer that names the exact pattern **without any repeating** of the pattern.



(22A)

8. Write the number that is missing in the pattern.

2, 4, 6, 8, 10, \_\_\_\_\_ (Answer: 12)

9. Bubble in the correct answer to the number that completes the pattern.

18, 15, 12, 9, \_\_\_\_\_

- 3       6 \*\*\*  
 5       8

10. Which number comes next in the pattern? Write the number. Then write a sentence telling why you wrote that number.

1   3   5   7 \_\_\_\_\_

Number:   9  

Explanation:

- I counted by twos.
- I added 2 to each number.
- The first four numbers were the odd numbers in order, so I wrote the next odd number.
- I skipped every other number.
- I skip counted by 2.
- These are the odd numbers.

Other explanations are possible.

Name \_\_\_\_\_ Date \_\_\_\_\_ (25A)

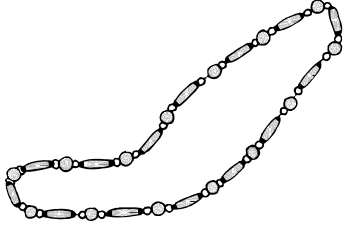
Maria has \$20. These are the items she wants to buy.



Rings \$2.00



Earrings \$3.00



Necklaces \$4.00

She wants to buy

- **no more than** 10 items and
- plans to buy **at least** one of each item.
- She must spend **about** \$20.00

Fill in the chart below to show one list of items Maria could buy.

- Show how many of each item she should buy.
- Show the total cost.
- Show how you got your answer.

ITEMS	NUMBER BOUGHT	COST OF ITEMS
Rings		
Earrings		
Necklaces		
TOTALS		

Use another paper to show your work if you need more space.

*Possible Solutions are on next page.*

13. (Continued)

POSSIBLE SOLUTIONS

ITEMS	NUMBER BOUGHT	COST OF ITEMS
Rings	1	\$ 2.00
Earrings	5	\$15.00
Necklaces	1	\$ 4.00
TOTALS	7	\$21.00

Rings = \$2; Earrings = \$3.  
Necklaces = \$4

ITEMS	NUMBER BOUGHT	COST OF ITEMS
Rings	1	\$ 2
Earrings	1	\$ 3
Necklaces	4	\$16
TOTALS	6	\$2

\$ 4 necklace  
 \$ 4 necklace  
 \$ 3 earrings  
 \$ 3 earrings  
 \$ 3 earrings  
 \$ 2 ring  
 \$19 & 6 items

\$ 4 necklace  
 \$ 4 necklace  
 \$ 4 necklace  
 \$ 3 earrings  
 \$ 3 earrings  
 \$ 2 ring  
 \$20 & 6 items

\$ 4 necklace  
 \$ 4 necklace  
 \$ 3 earrings  
 \$ 3 earrings  
 \$ 3 earrings  
 \$ 2 ring  
 \$ 2 ring  
 \$21 & 7 items