

Enter Your Name  (Optional)

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**DIRECTIONS**

Read each question and choose the best answer. Then mark the circle next to the letter for the answer you have chosen.

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## Mathematics Chart

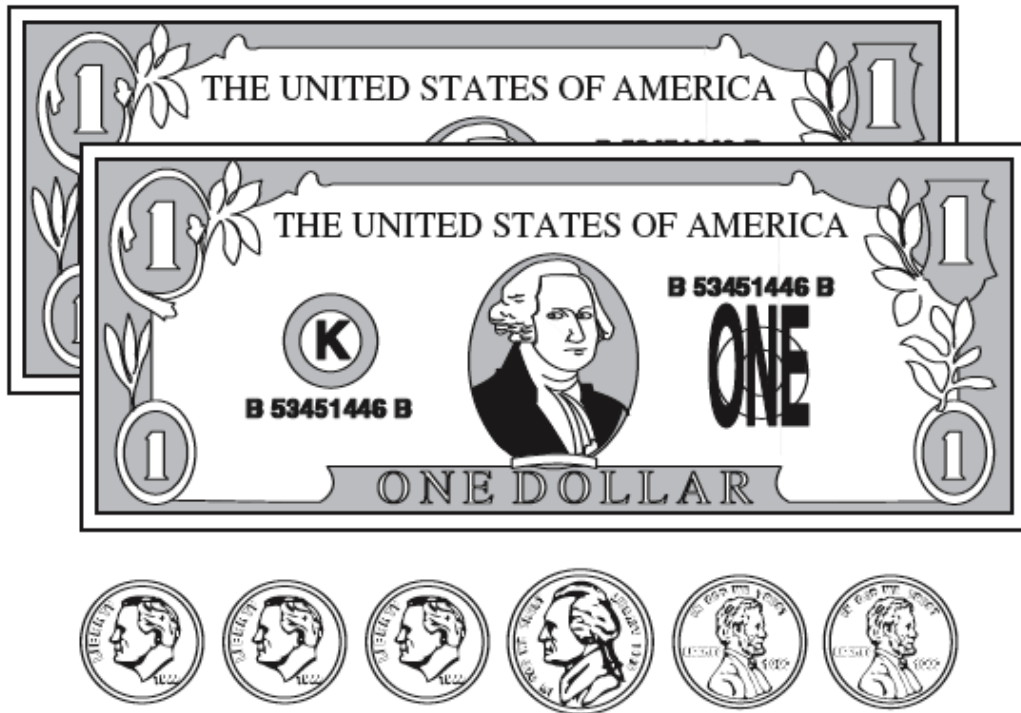
LENGTH	
Metric	Customary
1 meter = 100 centimeters	1 yard = 3 feet
1 centimeter = 10 millimeters	1 foot = 12 inches

TIME
1 year = 365 days
1 year = 12 months
1 year = 52 weeks
1 week = 7 days
1 day = 24 hours
1 hour = 60 minutes
1 minute = 60 seconds

Metric and customary rulers can be found on the separate Mathematics Chart.

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- 1 Hector used all the money shown below to buy his lunch.



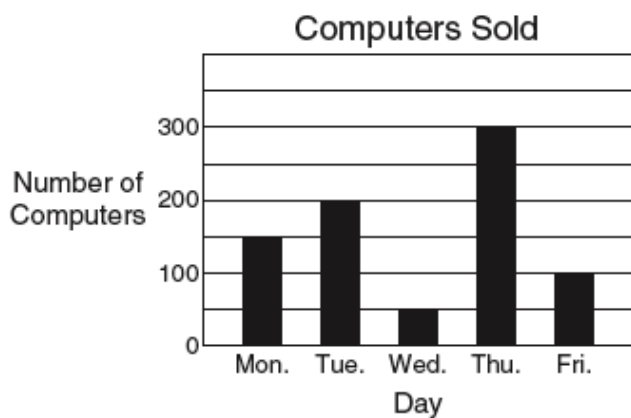
How much money did Hector spend on his lunch? Mark your answer.

- ☐ \$2.60
  - ☐ \$2.42
  - ☐ \$2.33
  - ☐ \$2.37
- 2 The table below shows the number of computers sold at a store in five days.

### Computers Sold

Day	Number of Computers
Monday	150
Tuesday	200
Wednesday	50
Thursday	250
Friday	100

The store manager displayed this information in a bar graph.



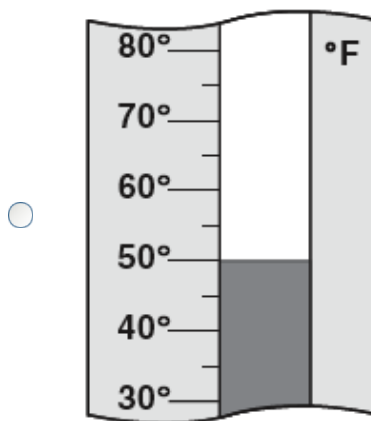
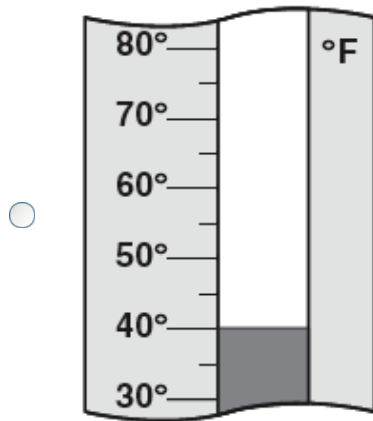
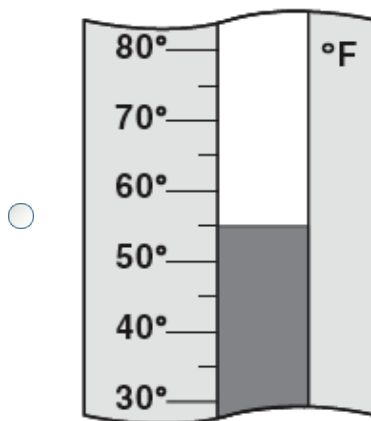
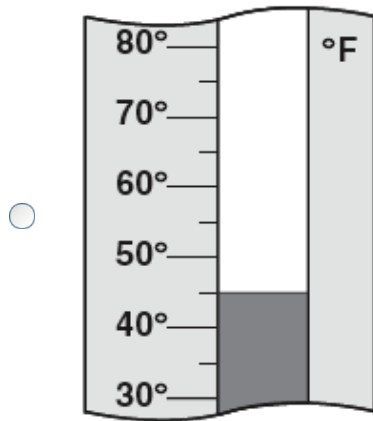
Which bar on the graph is **NOT** correct? Mark your answer.

- ☐ Monday
- ☐ Wednesday
- ☐ Thursday
- ☐ Friday

- 3 A teacher put 32 students on 4 teams to play kickball. Each team had the same number of students. Which expression could be used to find the number of students on each team?  
Mark your answer.

- ☐  $32 + 4$
- ☐  $32 \div 4$
- ☐  $32 - 4$
- ☐  $32 \times 4$

- 4 Margot checked the thermometer outside her window before she got dressed for school. The thermometer read  $45^{\circ}\text{F}$ . Which thermometer below shows  $45^{\circ}\text{F}$ ? Mark your answer.



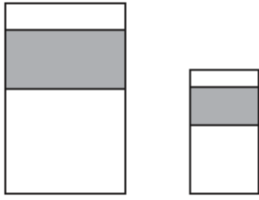
- 5 There are twelve students in Mr. Hart's reading class. He puts the students into four equal groups. Which picture shows Mr. Hart's reading groups? Mark your answer.



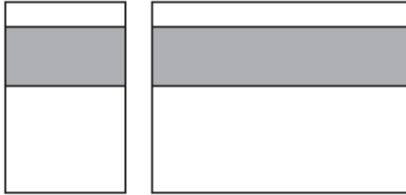


6 Which pair of figures is congruent? Mark your answer.

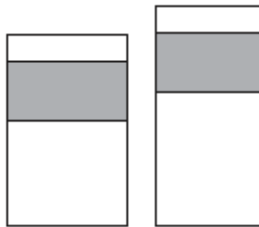




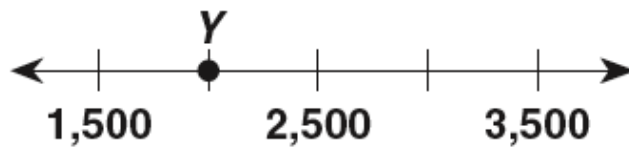
☐



☐



7 Which number does point *Y* best represent on the number line? Mark your answer.



- ☐ 1,600
- ☐ 1,550
- ☐ 2,400
- ☐ 2,000

8 Berto used 3 yards of ribbon to wrap packages. How many feet of ribbon did Berto use?  
Mark your answer.

☐



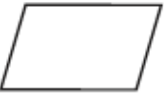
3 feet




6 feet

☐ 9 feet

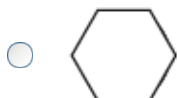
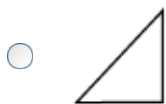
☐ 12 feet

- 9 At a fall festival, students played a game by popping balloons. Inside each balloon was a picture of a shape. Some shapes won prizes, and others did not, as shown below.

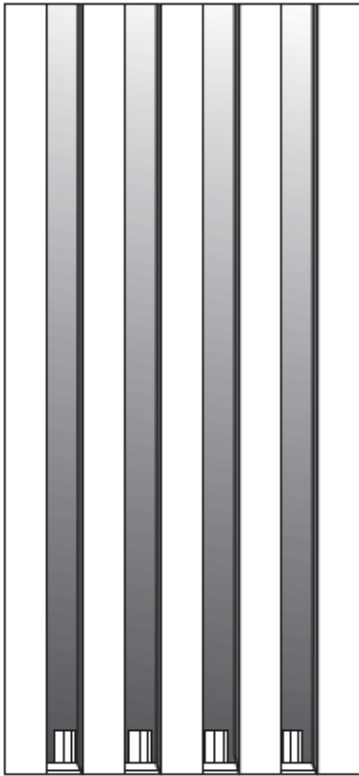
Prize	Prize	Prize
		

No Prize	No Prize	No Prize
		

Based on this information, which other shape will win a prize? Mark your answer.



- 10 Kenan drew a picture of a skyscraper, as shown below.



Use the ruler on the Mathematics Chart to measure the height of the picture in inches.  
What is the height of the picture? Mark your answer.

- ☐ 3 inches
- ☐  $3\frac{1}{2}$  inches
- ☐ 4 inches
- ☐  $4\frac{1}{2}$  inches

- 11 Caroline wrote the set of numbers shown below.

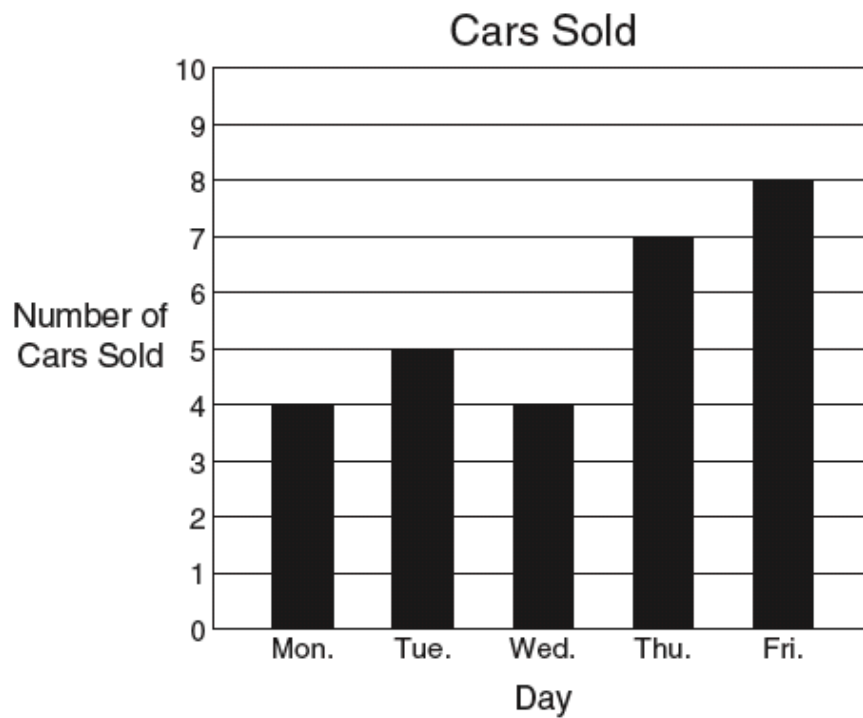


**5, 39, 13, 45, 21**

Which of the following could belong to Caroline's set of numbers? Mark your answer.

- ☐ 29
- ☐ 24
- ☐ 4
- ☐ 10

**12** Look at the graph below.



Based on the information in the graph, which of the following statements is correct? Mark your answer.

- ☐ More cars were sold on Tuesday than on Thursday.
- ☐ Fewer cars were sold on Monday than on Wednesday.
- ☐

The number of cars sold increased each day.



The greatest number of cars was sold on Friday.

**13** Laurel has 676 marbles, and Javier has 525 marbles. Which expression shows the best way to estimate the total number of marbles they have? Mark your answer.

☐  $700 + 600$

☐  $700 + 500$

☐  $680 + 550$

☐  $700 + 520$

**14** The gift below best represents which geometric figure? Mark your answer.



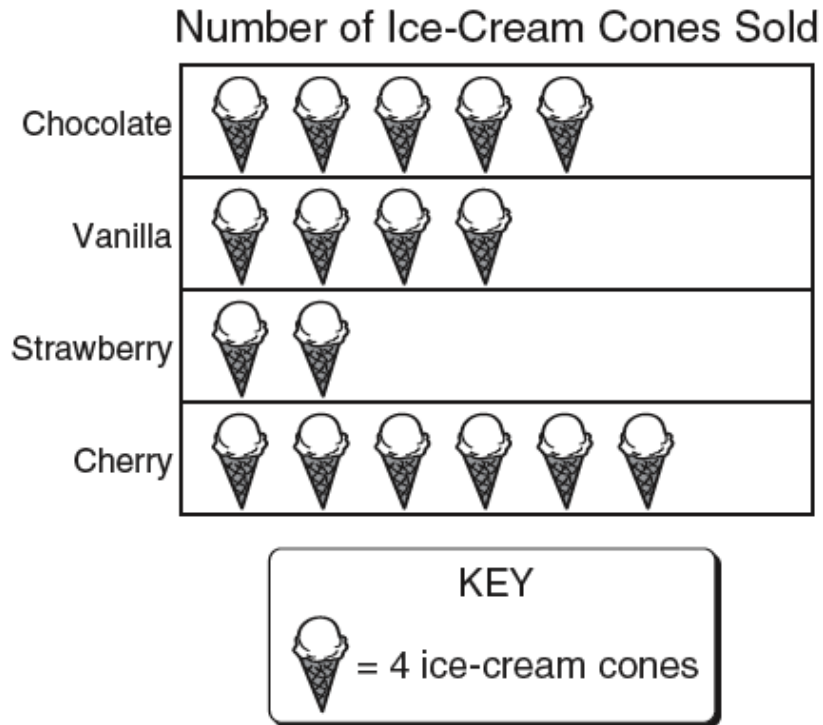
☐ Rectangular prism

☐ Cube

☐ Sphere

☐ Triangular pyramid

**15** Look at the graph below.



How many more cherry ice-cream cones were sold than vanilla ice-cream cones? Mark your answer.

- ☐ 2
- ☐ 4
- ☐ 8
- ☐ 10

**16** Margaret's groceries cost \$145. She then used 6 coupons to have a total of \$4 taken off the cost of her groceries. Which number sentence shows how to find the amount of money Margaret paid for her groceries? Mark your answer.

- ☐  $145 + 4 = \square$
- ☐  $145 + 6 = \square$
- ☐  $145 - 6 = \square$
- ☐  $145 - 4 = \square$

**17** There are 113,072 people living in a city. What is the value of the digit 3 in this number?

Mark your answer.

- ☐ 30,000
- ☐ 300,000
- ☐ 3,000
- ☐ 300

**18** Mrs. Erskine had 5 packages of cookies. Each package contained 8 cookies. Mrs. Erskine ate 4 of the cookies. How many cookies did she have left? Mark your answer.

- ☐ 36
- ☐ 28
- ☐ 17
- ☐ 12

**19** Rachel writes five numbers on the chalkboard, as shown below.

<b>19, 16, 13, 10, 7</b>
--------------------------

Which sentence best describes Rachel's number pattern? Mark your answer.

- ☐ Rachel is adding four to each number.
- ☐ Rachel is subtracting two from each number.
- ☐ Rachel is doubling each number.
- ☐ Rachel is subtracting three from each number.

- 20 The clocks below show the times at which Peter began and finished his homework.



Began



Finished

How long did it take Peter to do his homework? Mark your answer.

- ☐ 1 hour
- ☐  $1\frac{1}{2}$  hours
- ☐ 2 hours
- ☐  $2\frac{1}{2}$  hours

- 21 Sierra is nine years old. Molly is twice as old as Sierra. How old is Molly? Record your answer in the space provided below. Be sure to use the correct place value.

|

(Your answer must be between 0 and 999.)

- 22 Which box shows a family of facts? Mark your answer.

☐

$2 \times 1 = 2$
$1 \times 2 = 2$
$2 + 1 = 3$
$2 - 1 = 1$



$1 \times 6 = 6$
$2 \times 6 = 12$
$3 \times 6 = 18$
$4 \times 6 = 24$



$4 \times 3 = 12$
$3 \times 4 = 12$
$12 \div 3 = 4$
$12 \div 4 = 3$



$6 \times 2 = 12$
$12 \times 1 = 12$
$3 \times 4 = 12$
$4 \times 3 = 12$

- 23** Cynthia and her brother are selling rolls of wrapping paper for a school fund-raiser. Cynthia has sold 26 rolls, and her brother has sold 52 rolls. About how many rolls have they sold altogether? Mark your answer.



90



80



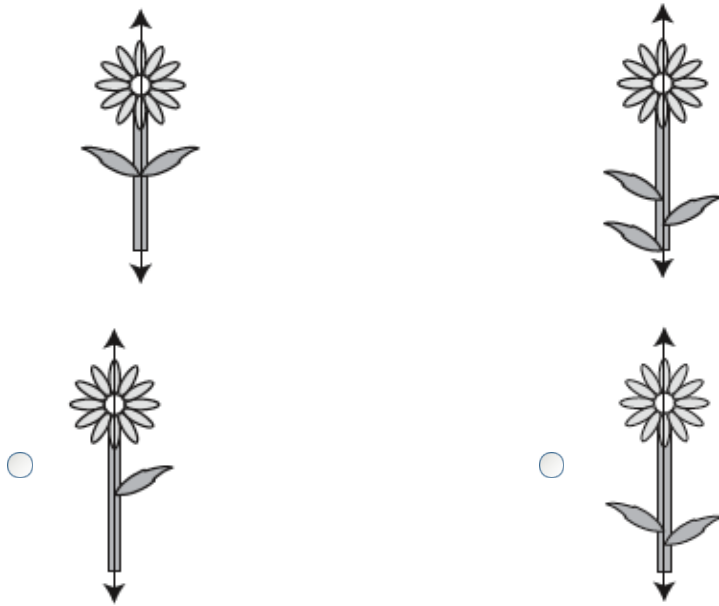
70



60

- 24** Alicia drew four flowers. Which picture appears to have a line of symmetry? Mark your answer.





**25** Pierre left school at 4:25 P.M. He walked 20 minutes to get to soccer practice. What other information is needed to determine whether Pierre arrived at soccer practice on time?

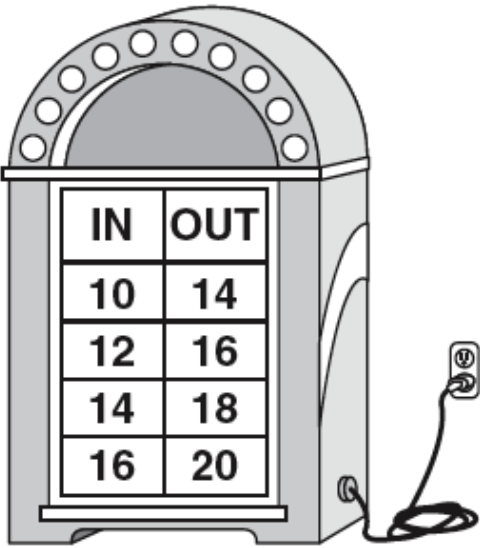
Mark your answer.

- ☐ How long soccer practice lasts
- ☐ How fast Pierre walked
- ☐ The distance from school to the soccer field
- ☐ The time soccer practice began

**26** Ms. Kroger folds towels and stacks them on a shelf. She does not stack them in any particular order. There are 5 white towels, 3 blue towels, 2 red towels, and 5 orange towels in all. Her son takes the top towel off the stack. Which two colors of towels is he equally likely to take? Mark your answer.

- ☐ White and blue
- ☐ Red and orange
- ☐ Orange and white
- ☐ Blue and red

27 Look at the number machine below.



What rule does the machine follow as it moves numbers from IN to OUT? Mark your answer.

- ☐ Add 2
- ☐ Subtract 2
- ☐ Add 4
- ☐ Subtract 4

28 Mr. Hill is buying cases of bottled water for Field Day. There are 10 bottles of water in each case. Which table shows the total number of bottles of water Mr. Hill would have if he bought different numbers of cases? Mark your answer.

☐

Number of Cases	Number of Bottles
1	10
2	20
3	30
4	40

☐

Number of Cases	Number of Bottles
10	10
20	20
30	30
40	40



☐

Number of Cases	Number of Bottles
10	1
20	2
30	3
40	4

☐

Number of Cases	Number of Bottles
1	10
2	11
3	12
4	13

**29** At 5:45 P.M. Samantha is outside with friends. Her father wants her to set the table in one-half hour. What should Samantha do to figure out what time to set the table? Mark your answer.

☐

Add 60 minutes to 5:45 P.M.

☐

Add 30 minutes to 5:45 P.M.

☐

Add  $\frac{1}{2}$  minute to 5:45 P.M.

☐

Add 15 minutes to 5:45 P.M.

**30** Which of the following best describes a solid shape with triangular faces? Mark your answer.

☐

Cone

☐

Sphere

☐

Cube

☐

Pyramid

**31** Betsy has a dental appointment on April 14. April 1 is on a Wednesday. On which day of the week is Betsy's appointment? Mark your answer.

- ☐ Monday
- ☐ Tuesday
- ☐ Wednesday
- ☐ Thursday

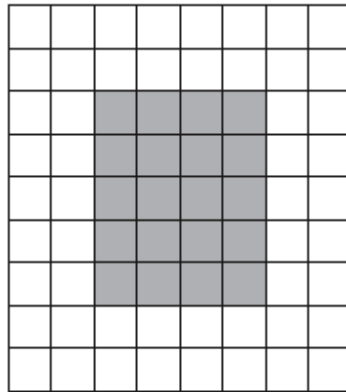
- 32** A tennis coach is buying cans of tennis balls to use in a tennis match. Each can contains 3 tennis balls, as shown below.




Which list shows numbers of tennis balls the coach will have if he purchases complete cans? Mark your answer.

- ☐ 9, 12, 15
  - ☐ 9, 13, 16
  - ☐ 9, 11, 14
  - ☐ 9, 10, 13
- 33** In the Beechwood School District, there are 548 students in the elementary school. There are 372 students in the middle school. How many students are there in these two schools? Mark your answer.
- ☐ 810
  - ☐ 820
  - ☐ 910
  - ☐ 920

- 34 The shaded part of the figure below represents Tim's garden.



 = 1 square yard

What is the area of Tim's garden? Mark your answer.

- ☐ 4 square yards
- ☐ 5 square yards
- ☐ 9 square yards
- ☐ 20 square yards

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**You have reached the end of the test. To score the test, click on the “Score Test” button. To clear your answers and begin the test again, click on the “Reset” button. The scoring of the test will take a minimum of 10 seconds.**

Score Test

Reset

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