

Mathematics Chart

LENGTH

Metric

1 meter = 100 centimeters

1 centimeter = 10 millimeters

Customary

1 yard = 3 feet

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.

DIRECTIONS

Read each question and choose the best answer. Be sure to mark all of your answers.

SAMPLE A

Which of these numbers is greater than 3,590? Mark your answer.

- 3,491
- 3,601
- 3,578

SAMPLE B

Tom counted 8 oranges and 4 apples. What was the total number of oranges and apples? Mark your answer.

- 12
- 4
- 7



1. The table shows the number of toothpicks of each color in a box.

Toothpick Colors

Color	Number in Box
Green	8
Blue	20
Red	10

If 1 toothpick is taken out of the box without looking, which color will most likely be chosen? Mark your answer.

- Green
- Blue
- Red



2. What number is missing in the pattern below? Mark your answer.

2, 9, 16, ____, 30

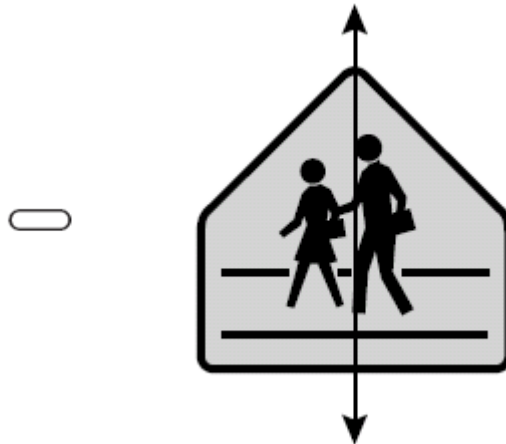
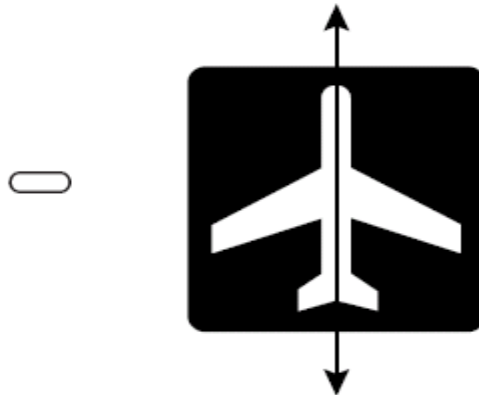
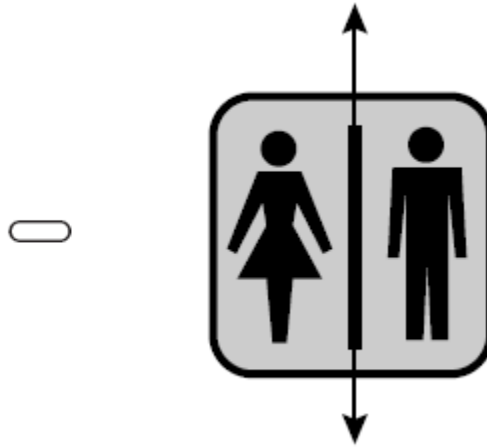
18

21

23

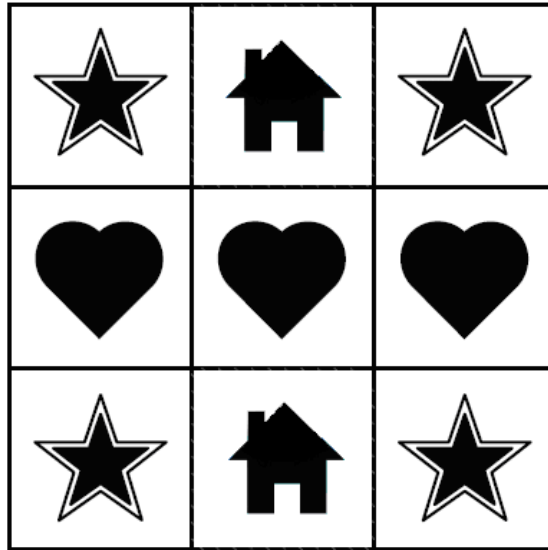


3. Which sign shows a line of symmetry? Mark your answer.



GO ON 

4. Look at the picture of a quilt. What fraction of the squares on this quilt has stars? Mark your answer.



$\frac{1}{6}$

$\frac{8}{3}$

$\frac{4}{9}$



5. Look at the score of a basketball game.

Scoreboard

Home Team	37
Visiting Team	34

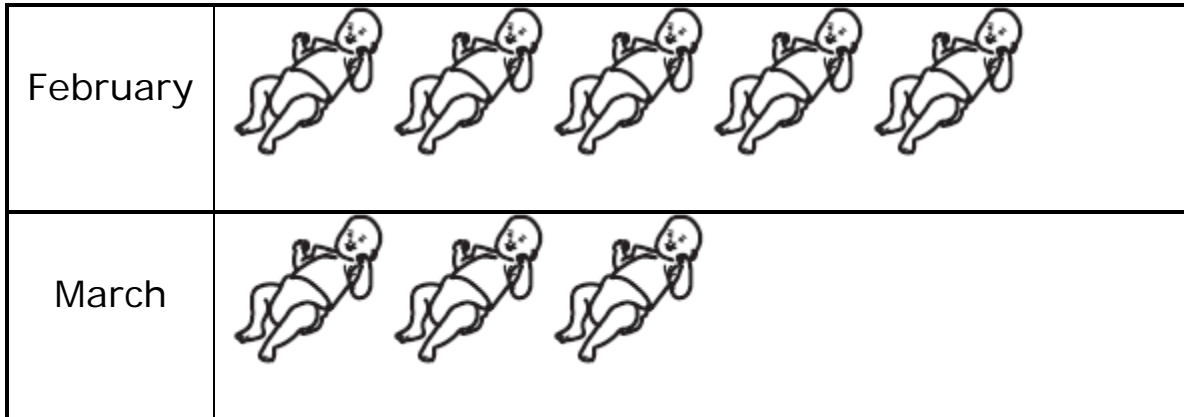
Which best describes the scoreboard? Mark your answer.

- The visiting team scored 8 more points than the home team scored.
- The home team scored 39 more points than the visiting team scored.
- The home team scored 3 more points than the visiting team scored.



6. Carl is working on the graph shown below. He knows there were 30 babies born in March.

Babies Born in February and March



Each  means 5 babies

How many more babies does Carl need to add to March to finish the graph? Mark your answer.

- 3
- 6
- 1



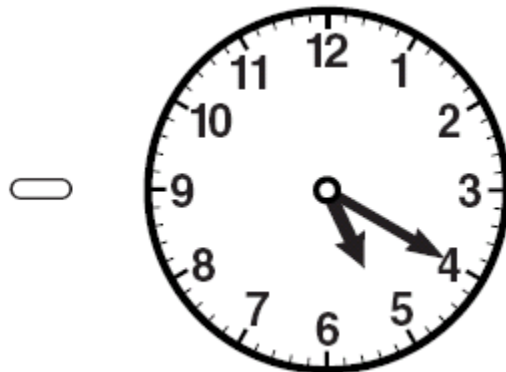
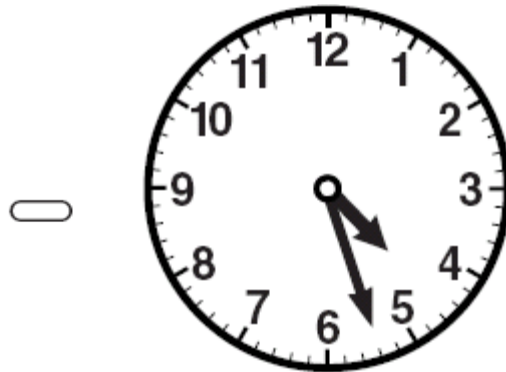
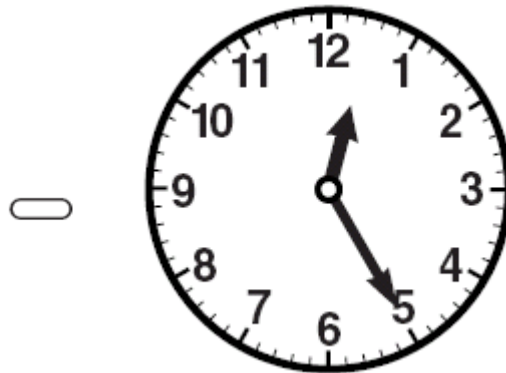
7. Which number is between 7,588 and 9,538? Mark your answer.

7,588		9,538
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- 6,298
- 8,349
- 12,378



8. Which clock shows a time between 5:00 P.M. and 6:00 P.M.? Mark your answer.



GO ON 

9. The school auditorium has 100 seats. People are sitting in 70 of the seats. Which is the best estimate of the number of empty seats? Mark your answer.

15

30

56

-
10. Pam's parents spent \$70 at the shoe store.

- \$25 on Pam's shoes
- \$25 on her sister's shoes

How much money was left to buy shoes for Pam's brother? Mark your answer.

\$20

\$45

\$15



11. Which of these best describes all the numbers on the shirts? Mark your answer.



- They are all even numbers.
- They are all greater than 20.
- They are all 2 digit numbers.



- 12.** At 12:00, 20 students came into the cafeteria.
At 12:15, 22 more students came into the cafeteria.
At 12:30, 17 more students came into the cafeteria.

Which number sentence can be used to find the total number of students who came into the cafeteria? Mark your answer.

- $20 - 17 = \square$
- $20 + 22 + 17 = \square$
- $17 \times 20 \times 22 = \square$



13. Fred needed to put horseshoes on his horses.



If he counted the horseshoes in groups of 4, which list shows only numbers in groups of 4? Mark your answer.

4, 11, 29, 69

4, 6, 10, 13

4, 8, 12, 16



14. What number makes this sentence true? Mark your answer.

$$\square \div 8 = 8$$

15

28

64

-
15. Jen has 45 more baseball cards than Bill has. Which of these shows the number of baseball cards that Jen and Bill each could have? Mark your answer.

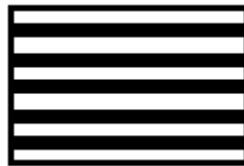
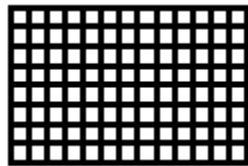
Jen 25, Bill 20

Jen 95, Bill 50

Jen 45, Bill 90



16. Look at the figures.

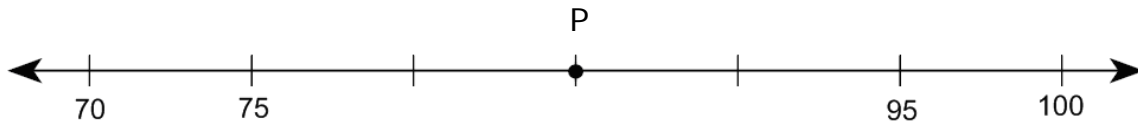


Which statement about these figures is true? Mark your answer.

- They all have 2 lines of symmetry.
- They are all pentagons.
- They are all circles.



17. What number does point P best represent on the number line? Mark your answer.



88

65

85

GO ON 

18. Max went to the movies. He had \$15.

- He spent \$5 on the movie ticket
- He spent \$4 on snacks

Which number sentence shows one way to find the amount of money Max had left? Mark your answer.

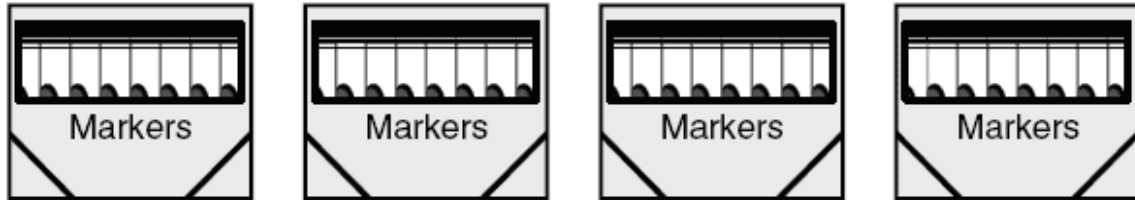
$15 - 5 - 4 = \square$

$15 + 5 + 4 = \square$

$15 + 9 - 4 = \square$



19. Look at the boxes of markers below. Each box has 8 markers in it.



If count the markers in groups of 8, which list below is correct? Mark your answer.

- 8, 13, 26, 38
- 8, 16, 24, 32
- 8, 14, 21, 27



20. Lee saw 31 monkeys at the zoo.

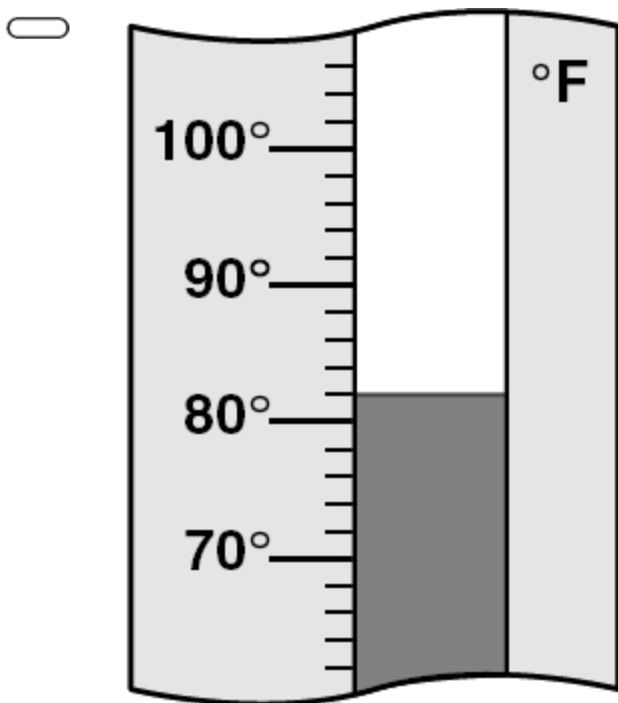
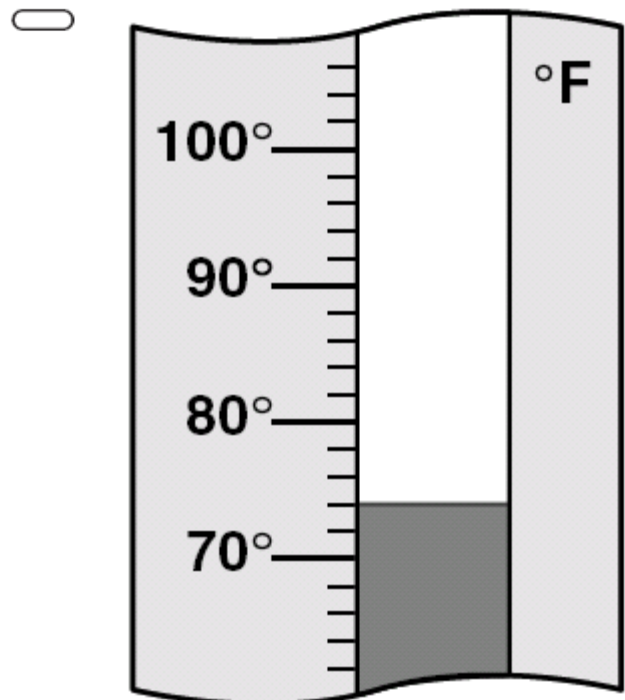
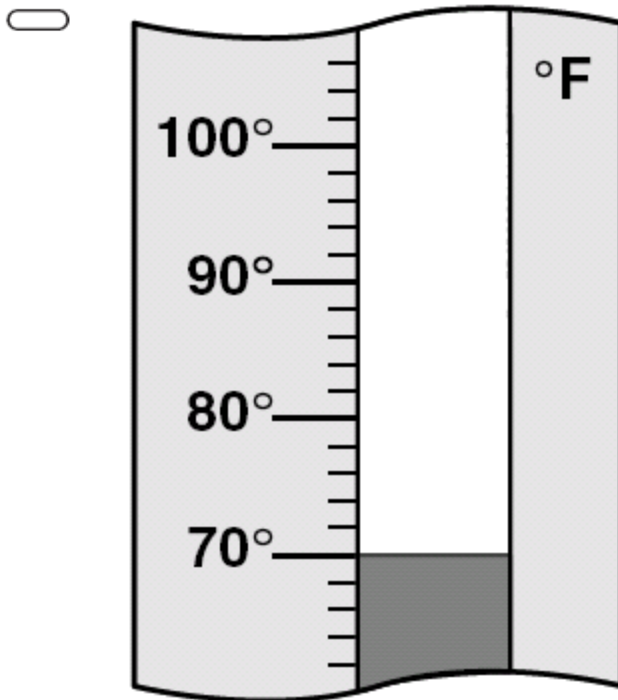
- 9 monkeys were in the trees
- 7 monkeys were on the fence
- The rest of the monkeys were eating bananas

Which number sentence shows one way to find the number of monkeys eating bananas? Mark your answer.

- $31 - 9 - 7 =$
- $9 \times 7 \div 31 =$
- $9 \times 7 - 31 =$



21. Which thermometer shows 74°F ? Mark your answer.

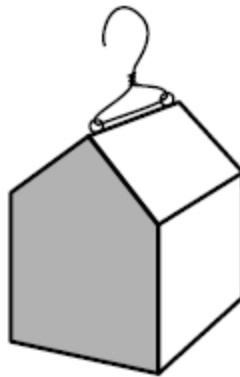


GO ON

22. Jessie eats from 3 to 5 school lunches each week. Which is a reasonable number of school lunches Jessie will eat in 7 weeks? Mark your answer.

- More than 50
- Fewer than 18
- From 21 to 35
-

23. Look at the bird house.



Which geometric figure best represents the shaded face on the birdhouse? Mark your answer.

- Octagon
- Pentagon
- Hexagon



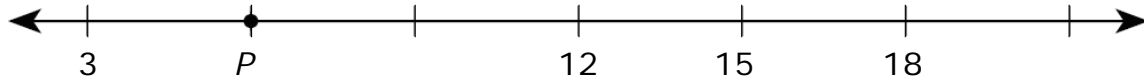
24. What is the total value of the 8 coins below? Mark your answer.



- \$1.06
- \$0.79
- \$2.04



25. What number does point P best represent on the number line? Mark your answer.



8

6

1

26. Which measurement best describes the length of a bed?
Mark your answer.

6 centimeters

6 inches

6 feet

GO ON 

27. Joe is using his fingers to count. What fraction of his fingers are *folded down*? Mark your answer.



$\frac{3}{10}$

$\frac{3}{5}$

$\frac{7}{10}$

GO ON 

28. Kim leaves school at 2:45 P.M. It takes her 30 minutes to walk to her house. What time will she get home? Mark your answer.

4:00 P.M.

2:15 P.M.

3:15 P.M.

-
29. Which figure best describes the shape of the box of cookies? Mark your answer.



Sphere

Cylinder

Rectangular prism

GO ON 

30. John needs 4 pizzas for each classroom for a party. Look at the table below.

Pizza's for Party

Number of classrooms	3	4	5	6	7
Number of pizzas	12	16		24	28

How many pizzas does John need for 5 classrooms? Mark your answer.

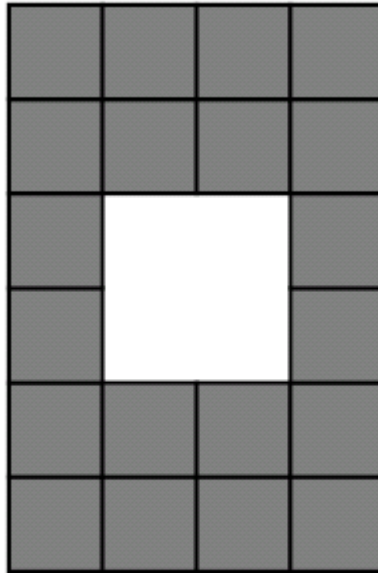
25


32

20



31. A third grade class wants to paint a wall in their classroom. The shaded part of the figure below shows the part of the wall that needs to be painted.



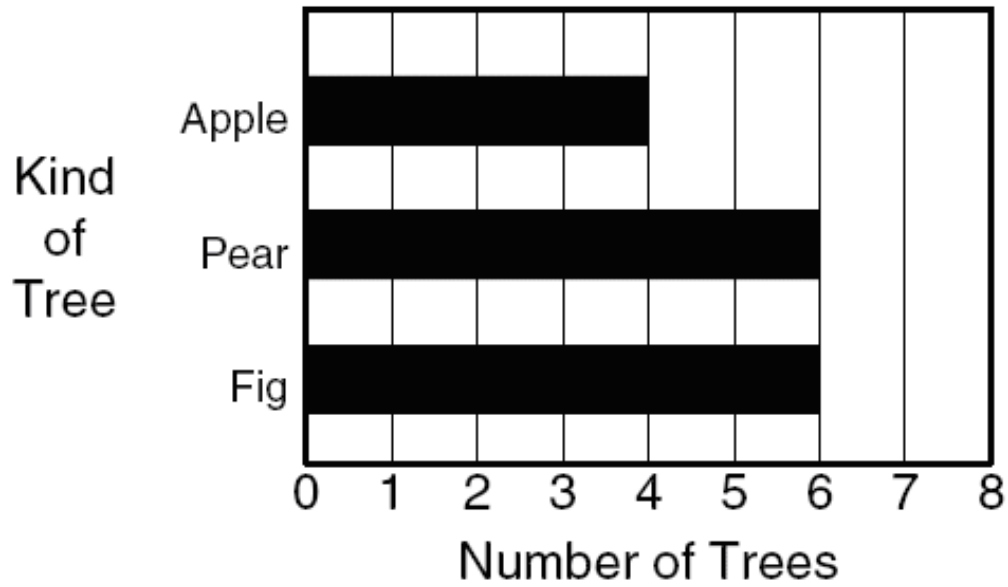
( = 1 square foot)

What is the area of the shaded part of the wall? Mark your answer.

- 8 square feet
- 20 square feet
- 45 square feet



32. The graph shows how many of each kind of fruit tree are in an orchard.



How many apple trees are in the orchard? Mark your answer.

- 4
- 6
- 7

