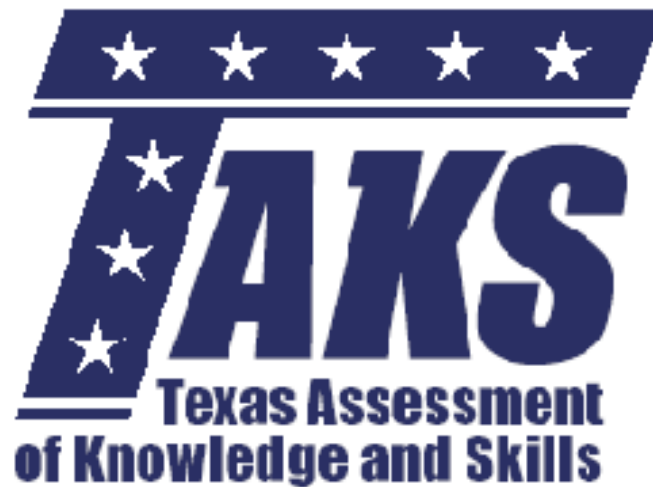


STUDENT NAME: _____



**GRADE 3
MATHEMATICS**

Administered January 2010



3rd Grade TAKS Mathematics Test

- 1 The table below shows the number of different-colored stickers Robert has in his collection.

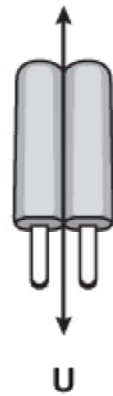
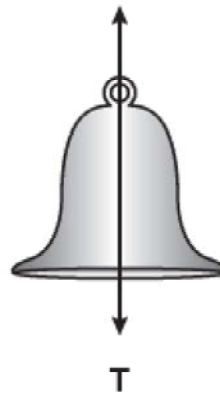
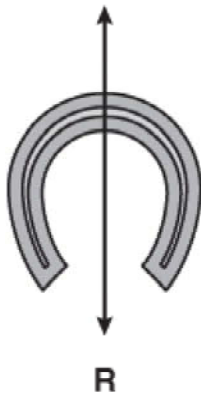
Robert's Stickers

Color	Number of Stickers
Green	37
Red	84
Gold	14
Blue	91

Which number sentence shows the best way to estimate the number of stickers in Robert's collection? Mark your answer.

- A $30 + 80 + 10 + 90 = 210$
- B $30 + 90 + 20 + 100 = 240$
- C $40 + 80 + 10 + 90 = 220$
- D $40 + 90 + 20 + 100 = 250$

- 2 Which picture does **NOT** show a line of symmetry? Mark your answer.



- F U
- G R
- H S
- J T

3 Which number does point *W* best represent on the number line below? Mark your answer.

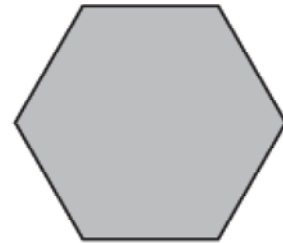


- A 745
- B 765
- C 775
- D 785

4 What are the three largest numbers that can be made using the digits 3, 4, 6, and 7? Each digit must be used only once in each number. Mark your answer.

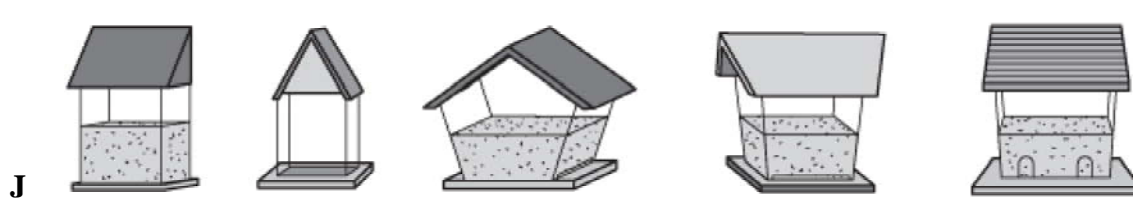
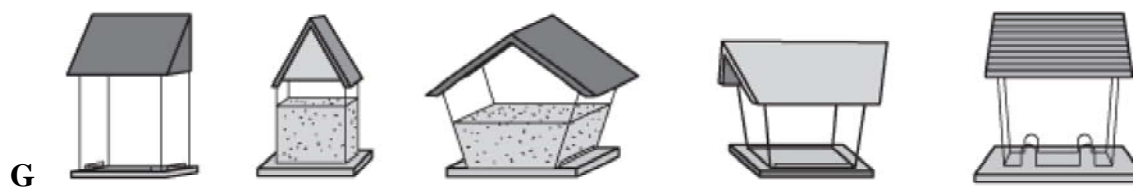
- F 7,643 6,743 4,673
- G 7,643 7,634 7,463
- H 7,364 7,463 7,643
- J 7,764 7,763 7,644

5 Which best names the shape shown below? Mark your answer.



- A Octagon
- B Pentagon
- C Hexagon
- D Parallelogram

6 Denise has 5 bird feeders in her yard. Which picture shows birdseed in more than $\frac{3}{5}$ of the bird feeders? Mark your answer.



- 7 Shane cut fruit to make a fruit salad. The table below shows the number of pieces of different kinds of fruit he put into a bowl.

Fruit Salad

Type of Fruit	Number of Pieces
Apple	50
Orange	24
Banana	40
Strawberry	32

Shane pulls out 1 piece of fruit without looking. If the pieces of fruit are all the same size, which type of fruit is Shane least likely to pull out? Mark your answer.

- A Orange
- B Banana
- C Apple
- D Strawberry

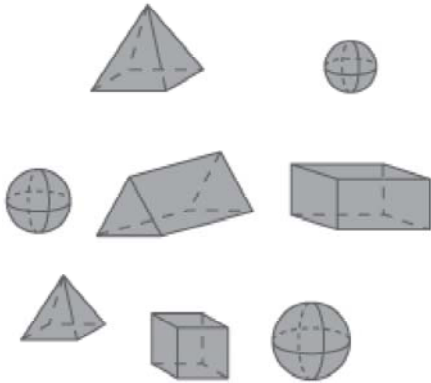
- 8 Use the ruler on the Mathematics Chart to measure the sides of Ana's school picture in centimeters.



Which is closest to the perimeter of Ana's school picture? Mark your answer.

- F 8 cm
- G 13 cm
- H 5 cm
- J 26 cm

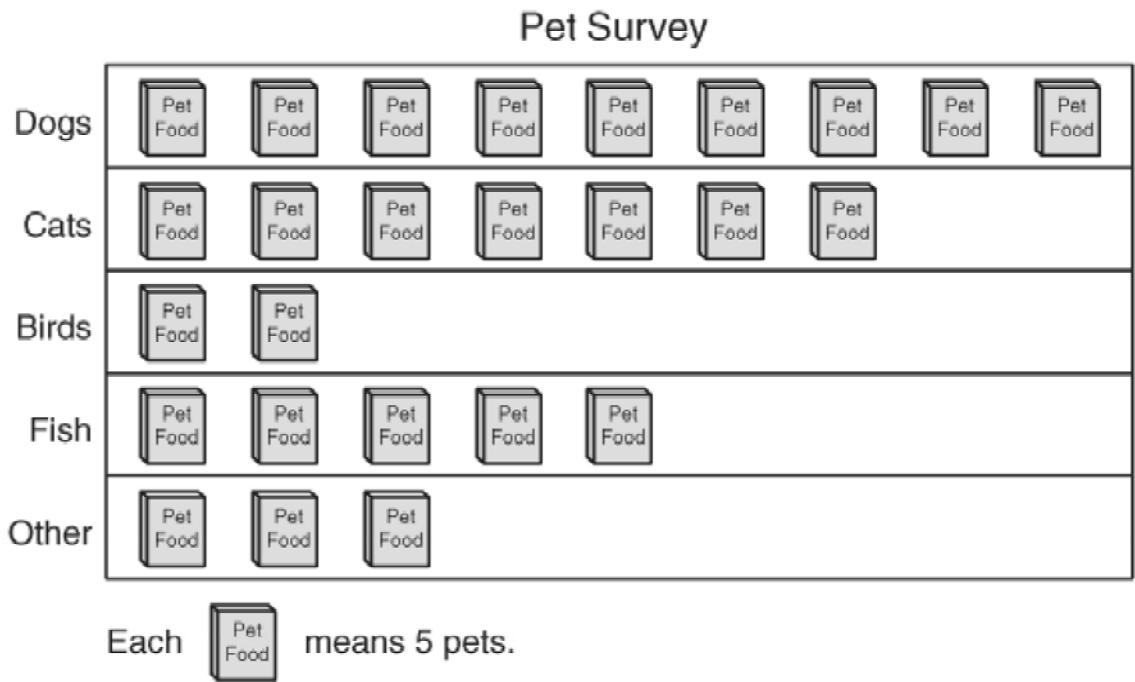
- 9 Wesley's younger brother has the figures shown below.



Which of the following best describes these figures? Mark your answer.

- A Prisms, spheres, pyramids, and a cube
- B Triangles, circles, a rectangle, and a square
- C Circles, pyramids, and a square
- D Triangles, cubes, and spheres

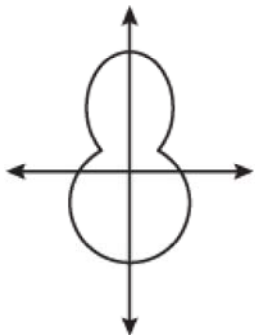
- 10 Juanita and Carl did a survey to find the number of different pets owned by students at their school. The results are shown in the pictograph below.



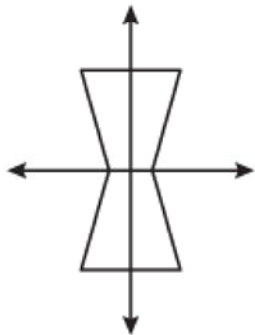
What is the total number of dogs owned by the students at Juanita and Carl's school?
Mark your answer.

- F** 45
- G** 9
- H** 35
- J** 15

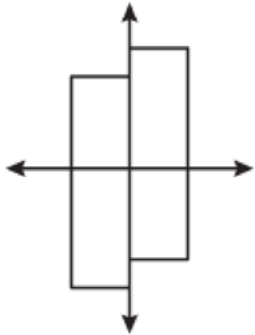
11 Which figure shows more than 1 line of symmetry? Mark your answer.



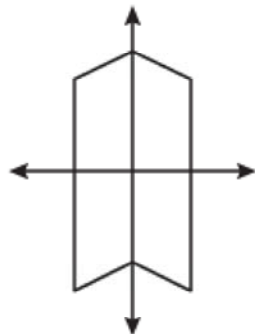
A



B



C

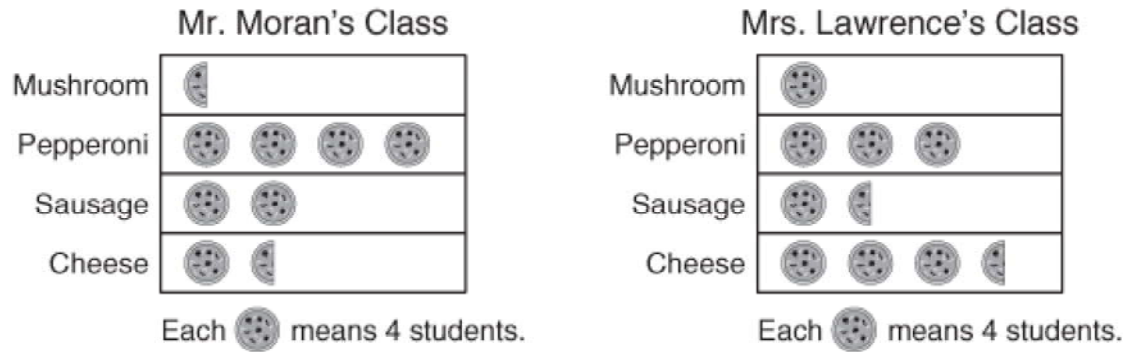


D

12 When Ellen arrived at school at 8:47 A.M., she was 22 minutes late. At what time did school start? Mark your answer.

- F 8:15 A.M.
- G 8:25 A.M.
- H 8:20 A.M.
- J 8:30 A.M.

13 Two classes voted on their favorite pizza topping. The results are shown below.



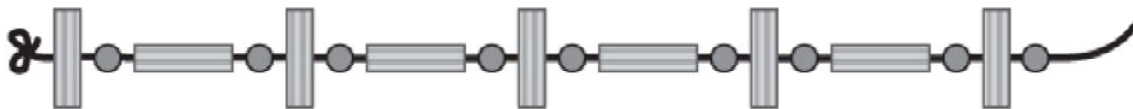
How many more students voted for cheese in Mrs. Lawrence's class than in Mr. Moran's class? Mark your answer.

- A 7
- B 8
- C 14
- D 6

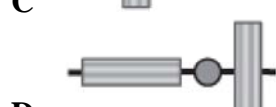
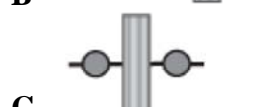
14 Which measurement best describes the length of a boot? Mark your answer.

- F 11 miles
- G 11 yards
- H 11 inches
- J 11 feet

- 15 Geraud was making a friendship bracelet. The picture below shows the beads he has put on his bracelet so far.



If the pattern continues, which shows the order of the next 3 beads Geraud should add to his bracelet? Mark your answer.



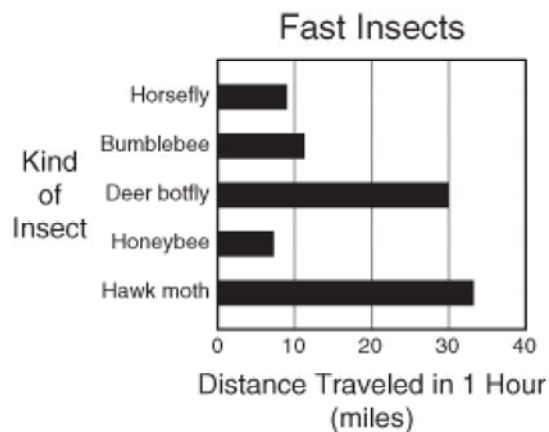
- 16 Michael can fit 8 of his friends' names, addresses, and phone numbers on one page of his address book.

Name _____ Address _____ _____	Name _____ Address _____ _____
Phone () - _____	Phone () - _____
Name _____ Address _____ _____	Name _____ Address _____ _____
Phone () - _____	Phone () - _____
Name _____ Address _____ _____	Name _____ Address _____ _____
Phone () - _____	Phone () - _____
Name _____ Address _____ _____	Name _____ Address _____ _____
Phone () - _____	Phone () - _____

How many friends' names can Michael fit on 8 pages? Mark your answer.

- F** 32
G 56
H 16
J 64

- 17 The graph below shows information about the distance certain insects can fly in 1 hour.



Which table best matches the data from the graph? Mark your answer.

Fast Insects

Kind of Insect	Distance Traveled in 1 Hour (miles)
Horsefly	9
Bumblebee	11
Deer botfly	40
Honeybee	7
Hawk moth	33

A

Fast Insects

Kind of Insect	Distance Traveled in 1 Hour (miles)
Horsefly	9
Bumblebee	11
Deer botfly	30
Honeybee	7
Hawk moth	33

B

Fast Insects

Kind of Insect	Distance Traveled in 1 Hour (miles)
Horsefly	4
Bumblebee	11
Deer botfly	30
Honeybee	5
Hawk moth	33

C

Fast Insects

Kind of Insect	Distance Traveled in 1 Hour (miles)
Horsefly	33
Bumblebee	7
Deer botfly	30
Honeybee	11
Hawk moth	9

D

- 18 Which story problem below can be described by the equation $7 \times 4 = 28$? Mark your answer.

- F Kim has 4 movies and 7 books. How many movies and books does Kim have in all?
- G Kim has 4 shelves with 7 books on each shelf. How many books does Kim have in all?
- H Kim has 28 books on 11 shelves. How many books are on each shelf?
- J Kim has 4 fewer movies than books. How many movies does Kim have?

- 19 Lizzie and her mother baked cookies. They baked 5 pans of cookies with 6 cookies on each pan. Which number sentence is in the same fact family as $5 \times 6 = 30$? Mark your answer.

- A $10 \times 3 = 30$
- B $30 - 5 = 25$
- C $30 \div 5 = 6$
- D $6 + 30 = 36$

- 20 Mrs. Fields gives her students 3 stickers for every 5 check marks they get on the class homework chart.

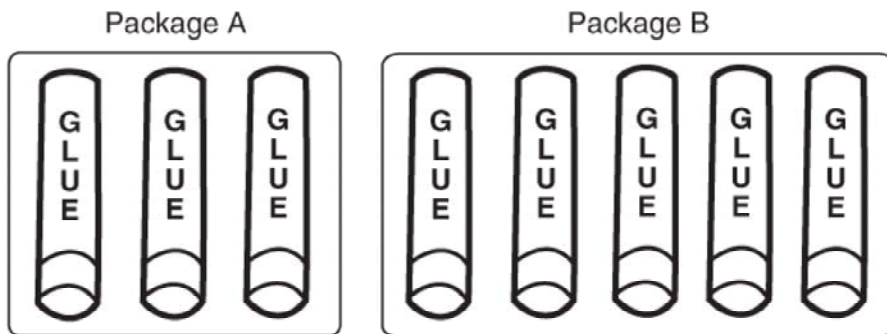
Homework Stickers Chart

Number of Check Marks	Number of Stickers
5	3
10	6
15	9
20	12

If Benito has 30 check marks, how many stickers should he have? Mark your answer.

- F 15
- G 21
- H 18
- J 22

21 Glue sticks come in two different packages.



Madison needs exactly 26 glue sticks for art class. Which combination of packages totals 26 glue sticks? Mark your answer.

- A 4 of Package A and 3 of Package B
- B 7 of Package A and 2 of Package B
- C 2 of Package A and 4 of Package B
- D 1 of Package A and 4 of Package B

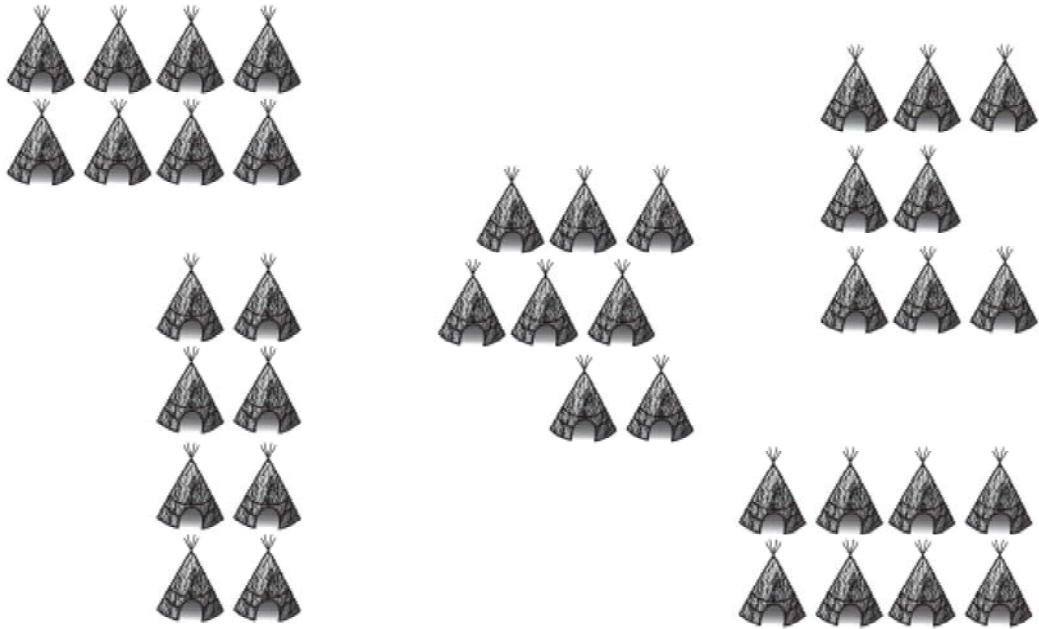
22 Herman solved the problems shown below.

$$8 - 5 = \boxed{3} \qquad 4 + 3 = \boxed{7}$$
$$10 \div 2 = \boxed{5} \qquad 3 \times 2 = \boxed{6}$$

Which list shows these answers in the order of product, difference, sum, and quotient? Mark your answer.

- F 6, 7, 3, 5
- G 6, 3, 7, 5
- H 3, 5, 7, 6
- J 6, 5, 7, 3

23 Kentrall is studying Native American homes. He made a model village, as shown below.



Which could be used to find the total number of homes in Kentrall's model village? Mark your answer.

- A $8 \div 5 = \square$
- B $5 \times 8 = \square$
- C $5 + 8 = \square$
- D $8 - 5 = \square$

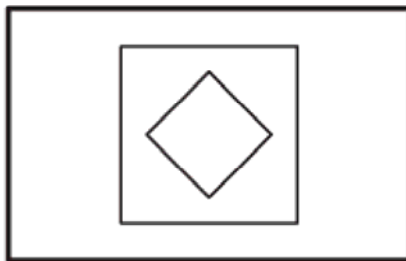
24 Howard is at the theater watching a movie that lasts 2 hours. What information is needed to find the time that Howard should be picked up from the movie? Mark your answer.

- F How much the movie costs
- G How long it takes to drive home
- H Which movie Howard is seeing
- J What time the movie started

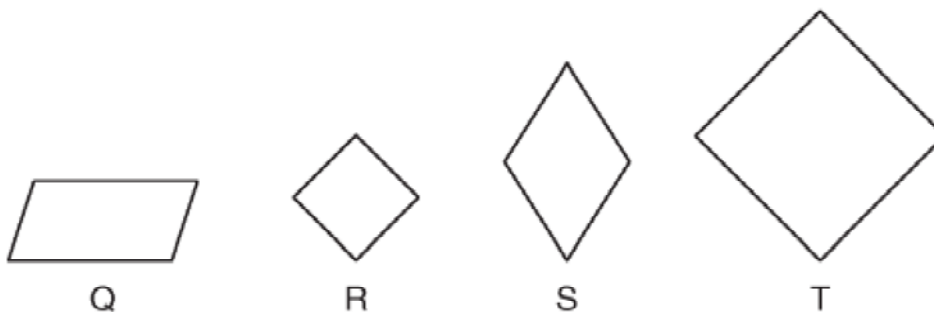
25 Which numeral is the same as six hundred fifty-six thousand, sixty-two? Mark your answer.

- A 656,620
- B 650,662
- C 600,562
- D 656,062

26 Which two figures below appear to be congruent to the shapes inside the rectangle?



Mark your answer.

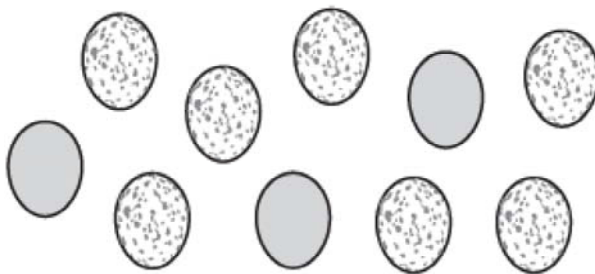


- F Q and R
- G R and T
- H S and T
- J R and S

27 Carlos is 52 inches tall. His father is 74 inches tall. Which number sentence can be used to find how much taller Carlos's father is than Carlos? Mark your answer.

- A $74 - 52 = \square$
- B $74 \div 52 = \square$
- C $52 \times 74 = \square$
- D $52 + 74 = \square$

28 David found these bird eggs in a nest.



What fraction of the eggs shown have spots? Mark your answer.

- F $\frac{3}{7}$
- G $\frac{3}{10}$
- H $\frac{7}{10}$
- J $\frac{7}{3}$

29 Sam's music lesson begins at the time shown on the clock below.



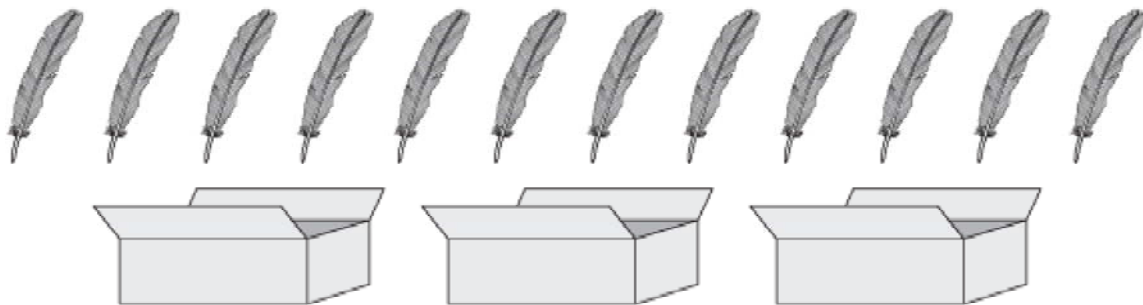
At what time does Sam's music lesson begin? Mark your answer.

- A 3:50
- B 10:20
- C 10:17
- D 4:50

30 There are 24 children in Roberto's class. There are more boys than girls. What additional information is needed in order to find how many more boys than girls there are in Roberto's class? Mark your answer.

- F The number of girls in Roberto's class
- G The number of girls in third grade
- H The grade the children are in
- J The name of Roberto's teacher

31 Bill had 12 feathers to put into 3 boxes. He put the same number of feathers in each box.



Which number sentence shows how many feathers Bill put in each box? Mark your answer.

- A $12 + 3 = 15$
- B $12 - 3 = 9$
- C $12 \times 3 = 36$
- D $12 \div 3 = 4$

32 A zookeeper feeds bananas to the monkeys at the zoo. She counts the bananas in groups of 7.



Which list shows only numbers the zookeeper counts? Mark your answer.

- F 7, 17, 27, 37, 47
- G 14, 21, 28, 35, 42
- H 7, 12, 17, 22, 27
- J 14, 21, 26, 36, 42

- 33 Look at the two groups of numbers shown below.

Group R	Group S
343	412
125	456
334	625
215	514

Which statement about the numbers in these groups is true? Mark your answer.

- A All the numbers in Group R are less than 300.
- B All the numbers in Group S are even.
- C All the numbers in Group S are greater than 400.
- D All the numbers in Group R are odd.

- 34 There are 9 innings in a professional baseball game. Which table correctly shows the number of innings in 3, 5, and 9 professional baseball games? Mark your answer.

F

Number of Games	Number of Innings
3	24
5	40
9	72

G

Number of Games	Number of Innings
3	12
5	14
9	18

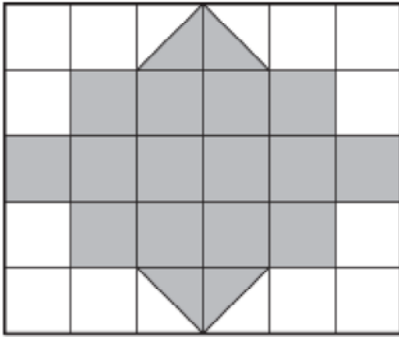
H

Number of Games	Number of Innings
3	18
5	35
9	72

J

Number of Games	Number of Innings
3	27
5	45
9	81

- 35 Lily made the following design on graph paper.



If each square measures 1 square inch, what is the area of the shaded part of the design? Mark your answer.

- A 14 square inches
- B 16 square inches
- C 30 square inches
- D 18 square inches

- 36 The table below shows the number of pancakes served at a restaurant during a four-month period.

Pancakes Served

Month	Number of Pancakes
January	5,067
February	4,589
March	4,730
April	4,917

In which of these months did the restaurant serve the least number of pancakes? Mark your answer.

- F March
- G January
- H February
- J April

- 37 Nathan, Basil, and Marissa each have an aquarium at home. Basil has 18 fish. Marissa has twice as many fish as Basil. Nathan has 7 fewer fish than Marissa. Which shows the number of fish that each person has? Mark your answer.

- A Nathan 43, Basil 18, Marissa 36
- B Nathan 7, Basil 18, Marissa 14
- C Nathan 11, Basil 18, Marissa 9
- D Nathan 29, Basil 18, Marissa 36

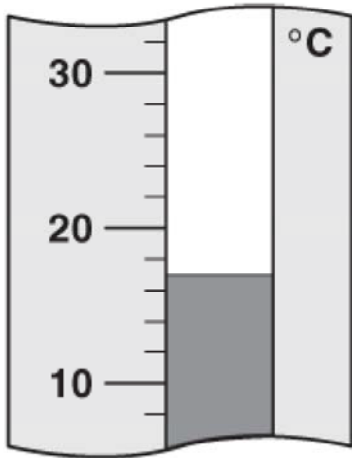
38 Ben paid for a game using the money shown below.



What is the value of the money Ben used to pay for the game? Mark your answer.

- F \$20.03
- G \$21.03
- H \$20.63
- J \$20.78

39 The thermometer below shows the temperature at an indoor skating rink.



What temperature is shown on this thermometer? Mark your answer.

- A 22°C
- B 17°C
- C 14°C
- D 23°C

40 The table below shows Mrs. Fisher's supplies for her art class.

Art Class Supplies

Supply	Number
Bottles of glue	38
Scissors	22
Packs of paper	47
Paint sets	25

How many bottles of glue and packs of paper does Mrs. Fisher have?

- F 85
- G 60
- H 38
- J 75