

Student Name \_\_\_\_\_

Mississippi Curriculum Test,  
Second Edition

MCT2

**GRADE**

3

**PRACTICE  
TEST BOOK**

MISSISSIPPI



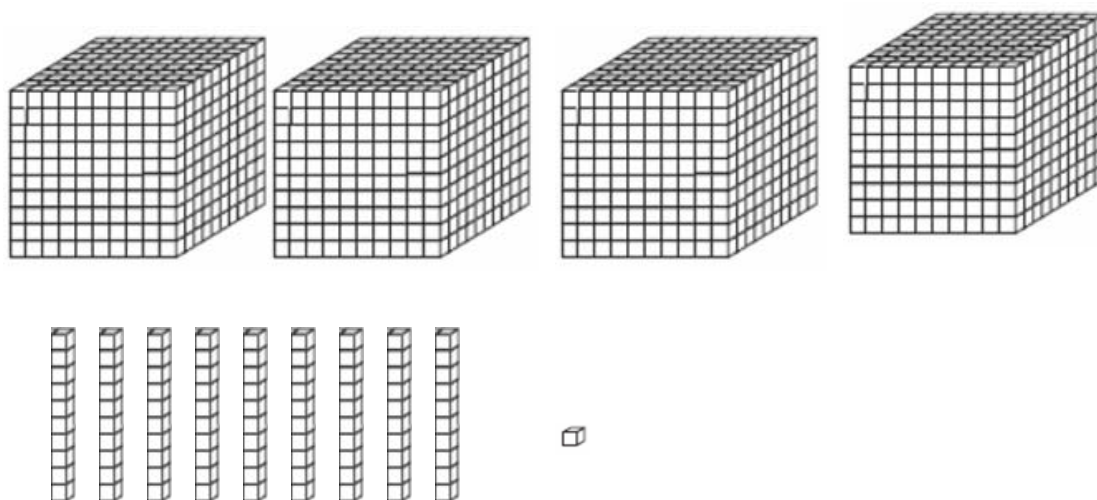
**MATHEMATICS**

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# Mathematics

Mark your answers for questions 1–55 on your answer document. Mark only one answer for each question. You may write in your test booklet, but you must mark your answers on your answer document.

1. Which is the standard form of the number represented by the picture below?



- A. 0.491
- B. 4,091
- C. 4,190
- D. 4,901

2. Hannah played three video games. Her scores were 297, 186, and 302.

Which is the best estimate of her total score for the three games?

- F. 500
- G. 700
- H. 800
- J. 900

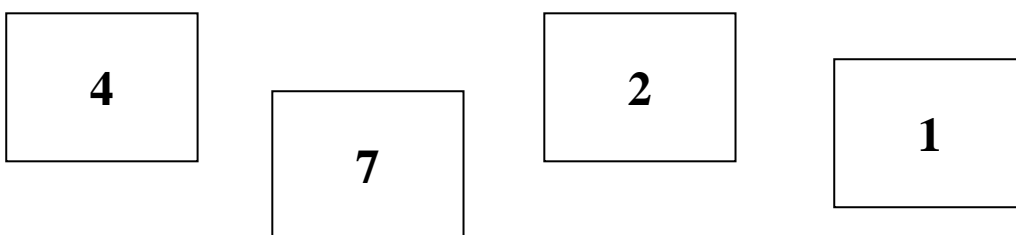
3. Which symbol would make the comparison true and why?

$$\begin{array}{c} >, <, \text{ or } = \\ \\ 1,223 \square 1,323 \end{array}$$

- A. =, because if 100 is added to 1,223, both numbers would be the same value
- B. >, because the tens and ones digit in 1,223 is lesser than in 1,323, and the thousands digit in both numbers is the same
- C. >, because the thousands, tens and ones digits are the same, but the digit in the hundreds place is lesser in 1323
- D. <, because the thousands, tens and ones digits are the same, but the digit in the hundreds place is greater in 1323

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4. Jasmine arranged the numbers below to make a four-digit number with the **SMALLEST** value. She used each number tile only one time.



Which number did she make?

- F. 7,421
- G. 4,217
- H. 1,427
- J. 1,247

5. The students at Smileytown Elementary School are having a reading competition. The third-grade students read 1,302 books. The fourth-grade students read 987 books. The fifth-grade students have read 1,203 books.

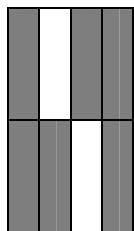
How many books have the third-, fourth-, and fifth-grade students read?

- A. 3,492 books
- B. 3,482 books
- C. 2,492 books
- D. 2,482 books

7. Which digits are most important when determining that 8,923 is greater than 8,884?

- A. Ones, because the 3 in 8,923 is lesser than 4 in 8,884.
- B. Tens, because the 8 in 8,884 is greater than 2 in 8,923
- C. Hundreds, because the 9 in 8,923 is greater than the second 8 in 8,844.
- D. Thousands, because both numbers are about the equal.

6. A block of clay is shown below. The shaded areas represent the amount of the clay used for an art class.



What fraction of the clay was used?

- F.  $\frac{6}{8}$
- G.  $\frac{5}{8}$
- H.  $\frac{1}{2}$
- J.  $\frac{1}{4}$

8. Which of the following can be used to answer the problem  $6 + 0 = ?$

- F. Zero plus any number equals zero.
- G. Zero minus any number equals zero.
- H. Zero plus any number equals that number.
- J. Zero minus any number equals that number.

9. A farmer counts apples in groups of 7.

Which of the following shows only the numbers the farmer counts?

- A. 7, 14, 21, 26, 36
  - B. 7, 14, 21, 28, 35
  - C. 7, 12, 17, 22, 27
  - D. 7, 17, 27, 37, 47
- 

10. You may use a ruler to help answer this question.

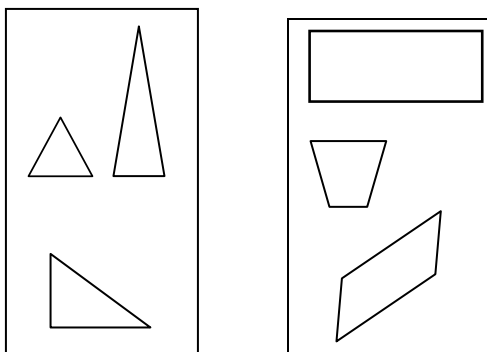


**Cedric's Rope**

What is the length of Cedric's rope to the nearest half inch?

- F. 4 inches
- G.  $4 \frac{1}{2}$  inches
- H. 5 inches
- J.  $5 \frac{1}{2}$  inches

11. Madison drew some shapes as shown below.



Which of the following describes Madison's shapes?

- A. Trapezoids and squares  
 B. Triangles and squares  
 C. Triangles and shapes with four sides  
 D. Trapezoids and shapes with three sides
- 
12. Omar was asked to create a hexagon using pattern blocks.
- Which of the following will not compose a hexagon?
- F. Six triangles  
 G. Two trapezoids  
 H. One square and one triangle  
 J. One trapezoid and one square

13. There was a fire in the Tower Building downtown. It was so large that the fire station sent 54 firemen.

If each truck had 9 firemen riding on it, how many trucks arrived to fight the fire?

- A. 63  
 B. 45  
 C. 7  
 D. 6

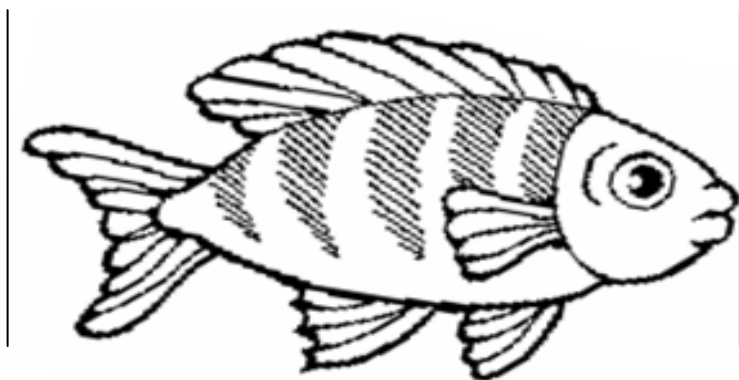
14. Some students are collecting marbles as a hobby. Jordan collected 2,152 marbles; Cathy collected 2,143 marbles; Laura collected 2,140 marbles; and Paul collected 2,253 marbles.

Which list shows the students arranged in order from least to greatest based on the number of marbles they have collected?

- F. Jordan, Cathy, Laura, Paul  
 G. Laura, Cathy, Jordan, Paul  
 H. Paul, Cathy, Jordan, Laura  
 J. Paul, Jordan, Cathy, Laura



15. You may use your ruler to answer the following question.



What is the length of the fish to the nearest  $\frac{1}{2}$  inch?

- A.  $2\frac{1}{2}$  inches
- B.  $2\frac{3}{4}$  inches
- C. 3 inches
- D.  $3\frac{1}{2}$  inches

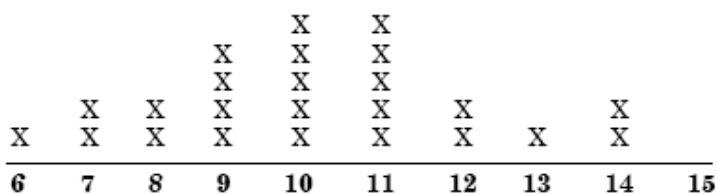
16. Sarah had 12 jars of jam to put into 3 boxes. She put the same number of jars into each box.

Which number sentence shows how many jars of jam Sarah put in each box?

- F.  $12 \div 3 = 4$   
 G.  $12 + 3 = 15$   
 H.  $12 - 3 = 9$   
 J.  $12 \times 3 = 36$

17. Linda records the number of leaves on lemon trees after 2 weeks of growth.

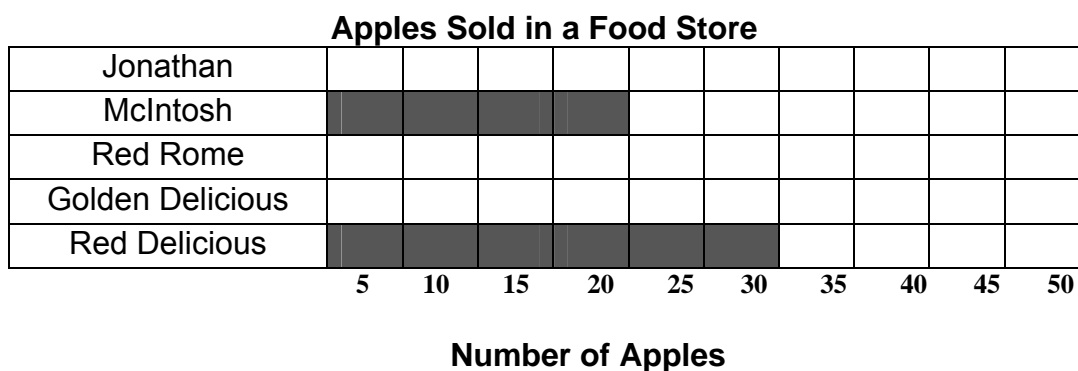
Number of Leaves on Trees



What could Linda most likely predict about the number of leaves on lemon trees?

- A. Most trees have 10 leaves after 2 weeks of growth.  
 B. Most trees have 9 to 11 leaves after 2 weeks of growth.  
 C. Most trees have more than 10 leaves after 2 weeks of growth.  
 D. Most trees have fewer than 10 leaves after 2 weeks of growth.

18. Students created a pictograph that shows the number of apples sold in a food store for one week. They made a graph.



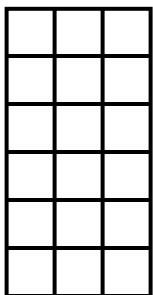
How many blocks should the students shade on the graph to represent the number of Golden Delicious apples sold?

- F. 7
- G. 6
- H. 5
- J. 4

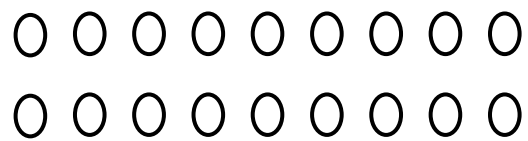
19. Jon drew a model to represent  $6 \times 3$ .

Which of the following models did Jon draw?

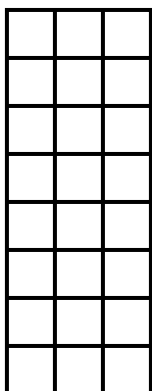
A.



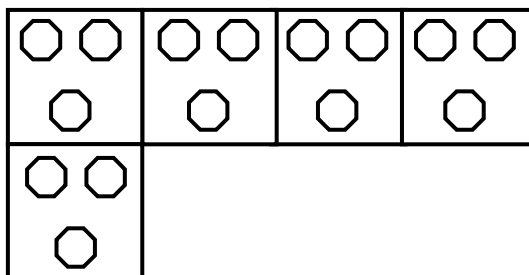
C.



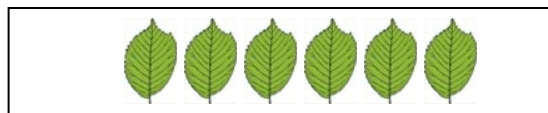
B.



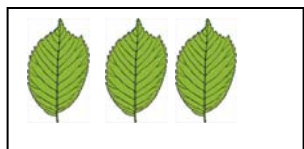
D.



20. Which number sentence describes the inverse of the illustration shown below?



+



=



F.  $6 + 3 = 9$

G.  $6 \times 3 = 18$

H.  $9 - 3 = 6$

J.  $6 - 3 = 3$

21. Roberto had 1,627 tadpoles and Shane had 125 tadpoles.

If they combined their tadpoles, about how many tadpoles would they have altogether?

A. 1,600 tadpoles

B. 1,700 tadpoles

C. 1,800 tadpoles

D. 1,900 tadpoles

22. On Friday 1,789 people went to the Mississippi Braves baseball game. On Saturday 2,983 people went to the game.

About how many more people went to the game on Saturday than on Friday?

F. 1,000

G. 2,000

H. 3,000

J. 5,000

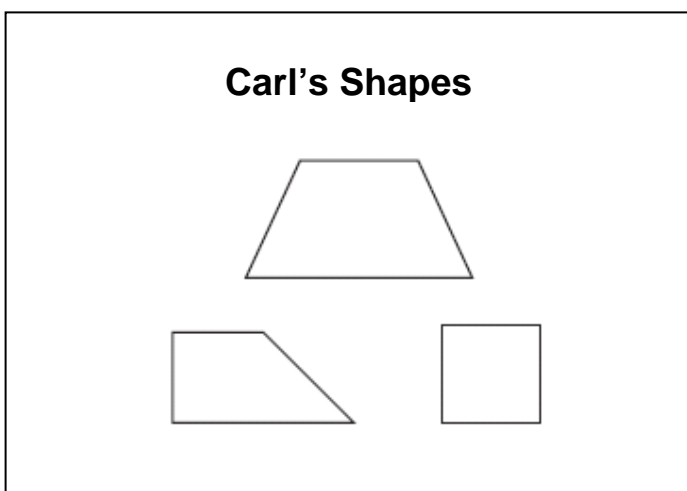
23. Bridge A is 3,672 feet long. Bridge B is 2,958 feet long.

How much longer is Bridge A than Bridge B?

- A. 71
- B. 614
- C. 616
- D. 714

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24. Which statement best describes Carl's shapes?



- F. Each shape has four corners.
- G. Each shape has four right angles.
- H. Each shape has one line of symmetry.
- J. Each shape has all sides of equal length.

25. Last month 3,801 people ate at Tony's Pizza. This month 2,765 people ate at Tony's Pizza.

How many more people ate at Tony's Pizza last month than this month?

- A. 1,036 people
- B. 1,044 people
- C. 1,146 people
- D. 1,164 people

27. A group of elementary school students wrote letters to their pen pals. The number of letters written by each class is listed in the chart below.

Grade	Number of Letters
3	?
4	59

If 101 letters were written altogether, which method could be used to find the number of students who wrote pen pal letters in grade 3?

- A. Add 42 and 59
- B. Add 101 and 59
- C. Subtract 59 from 101
- D. Subtract 42 from 101

26. Shelia wants to put 12 stickers on her paper.

Which of the following is one way that she can arrange the 12 stickers on her paper?

- F. 3 rows of 3 stickers
- G. 3 rows of 6 stickers
- H. 4 rows of 2 stickers
- J. 4 rows of 3 stickers

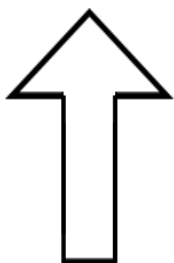
28. Which of the following is another way to write six thousand ninety one?

- F.  $60 + 90 + 1$
- G.  $600 + 90 + 1$
- H.  $6,000 + 90 + 1$
- J.  $6,000 + 900 + 1$

29. Which of the following figures can be composed using the shapes below?



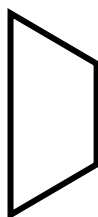
A.



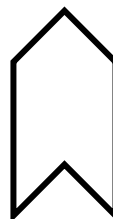
C.



B.



D.



30. Which number goes in the box to make the number sentence true?

$$\square + 2 + 4 = 4 + 2 + 1$$

- F. 0
- G. 1
- H. 2
- J. 4

31. A movie theater has 550 seats. During one movie, there were people sitting in 383 of the seats.

About how many empty seats were there during that movie?

- A. 500
- B. 400
- C. 300
- D. 200



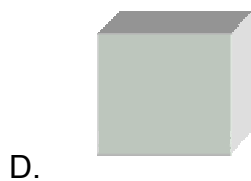
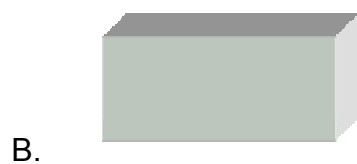
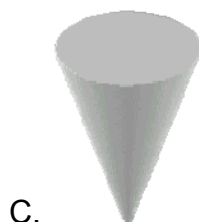
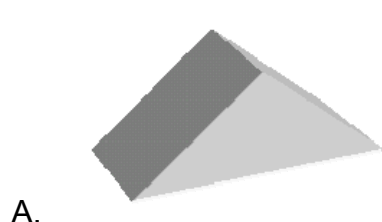
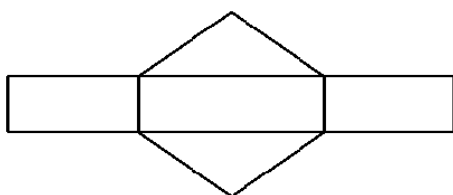
32. Paige determined the value of the missing number in the table below.

Hands	Fingers
2	10
4	20
6	?
8	40

Which rule did she use to complete the table?

- F. multiply the number of hands by 4
- G. multiply the number of fingers by 4
- H. multiply the number of hands by 5
- J. multiply the number of fingers by 5

33. Which three-dimensional shape is created from the two-dimensional net shown below?



34. You may use your ruler to answer the question below.



What is the length of the line in centimeters?

F.  $3\frac{1}{2}$  cm

G.  $5\frac{1}{2}$  cm

H.  $7\frac{1}{2}$  cm

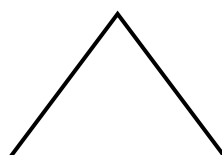
J.  $9\frac{1}{2}$  cm

35. Do the rectangle and triangle below have the same perimeters?



4 inches

3 inches



4 inches

- A. No, because  $4 + 4 + 3 + 3 > 4 + 4 + 4$
- B. Yes, because  $4 + 4 + 3 + 3 = 4 + 4 + 4 + 3$
- C. No, because a rectangle has 4 sides, a triangle has 3 sides.
- D. Yes, because  $3 \text{ inches} \times 4 \text{ inches}$  is the same as  $4 \text{ inches} \times 3 \text{ inches}$

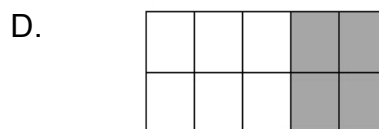
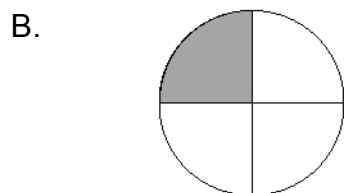
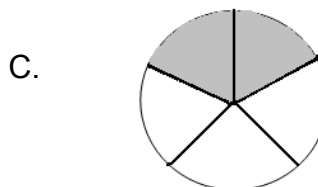
36. Which statement below is an accurate prediction based on the data in the table?

Favorite After School Activity

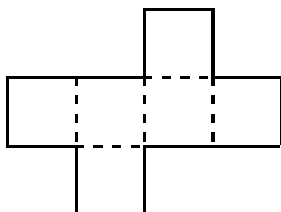
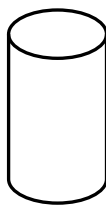
Activity	Number of Students
Piano	
Swimming	
Soccer	
Karate	

- F. More students will attend karate than piano after school.  
 G. Fewer students will attend karate than swimming after school.  
 H. More students will be playing piano than swimming after school.  
 J. Fewer students will be swimming than playing soccer after school.

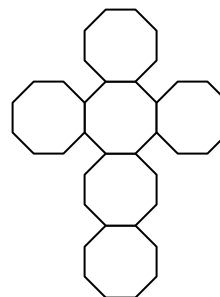
37. Which of the following does not represent  $\frac{2}{5}$ ?



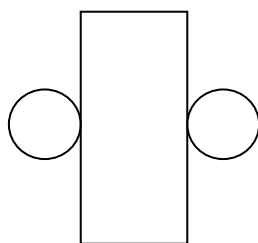
38. Which two dimensional net could be used to create the three dimensional shape below?



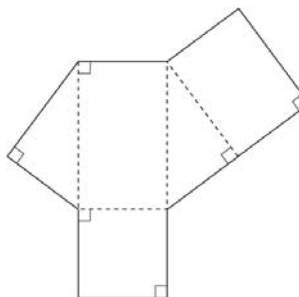
F.



H.



G.






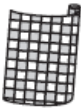


J.

39. Which of the following could be described by the equation  $9 + 3 = 12$ ?

- A. Marvin bought nine eggs and broke three.
- B. Faye gave John nine crayons and Susie twelve crayons.
- C. Alice left with nine pencils and came back home with three.
- D. Wallace had nine dollars and found three more in the house.

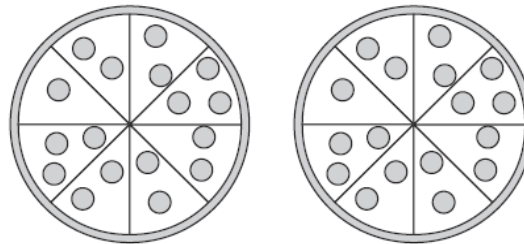
40. Amanda is wrapping gifts. The kinds of wrapping paper and bows she can use are shown below.

Gift Wrap	
Kinds of Wrapping Paper	Kinds of Bows
	
	
	
	

How many different ways can Amanda choose 1 kind of wrapping paper and 1 kind of bow?

- F. 2
- G. 4
- H. 6
- J. 8

41. A family of four will share two pizzas. Each family member will receive an equal number of pieces.



How many pieces will each family member receive?

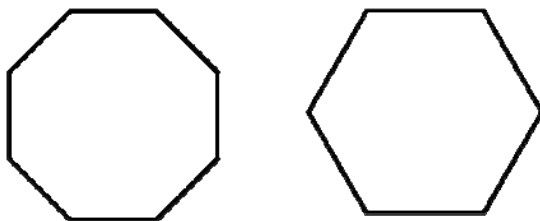
- A. 16
- B. 8
- C. 4
- D. 2

42. Which of the following is the inverse of the number sentence below?

$$13 + 20 = 33$$

- F.  $20 + 13 = 33$
- G.  $20 - 13 = 7$
- H.  $33 + 20 = 53$
- J.  $33 - 13 = 20$

43. How is a regular hexagon different from a regular octagon?



- A. Hexagons have 6 sides, and octagons have 8 sides.
- B. Hexagons have 8 sides and octagons have 6 sides.
- C. Hexagons have 5 sides and octagons have 6 sides.
- D. Hexagons have 10 sides and octagons have 8 sides.

45. Matthew's dentist gives his patients toothbrushes and dental floss at each visit. The toothbrush colors are blue, green and red. The dental floss choices are mint and strawberry.

How many different combinations can Matthew choose?

- A. 6
- B. 7
- C. 8
- D. 9

44. Ethan is determining the perimeter of his toy box. He knows his toy box is 8 feet long and 3 feet wide.

Which of the following can be used to determine the perimeter?

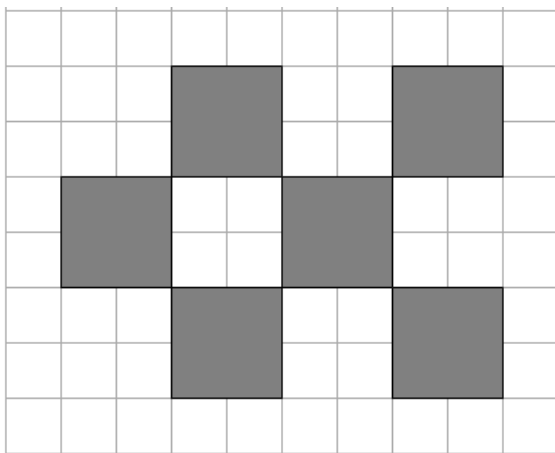
- F.  $8 + 3$
- G.  $8 \times 3$
- H.  $8 + 3 + 8 + 3$
- J.  $8 - 3 + 8 - 3$

46. Cara said, "I am adding 3 four-digit numbers."

Which of the following describes what Cara should expect as her sum?

- F. A three-digit sum because she is adding three numbers.
- G. A four-digit sum because she is adding four-digit numbers.
- H. You can't tell because you don't know what numbers she is adding.
- J. Either a four- or five-digit number because she may be adding numbers that could be as small as 1,000 or as large as 9,999.

47. The third grade students are planting vegetables in small rectangular plots as shown below.

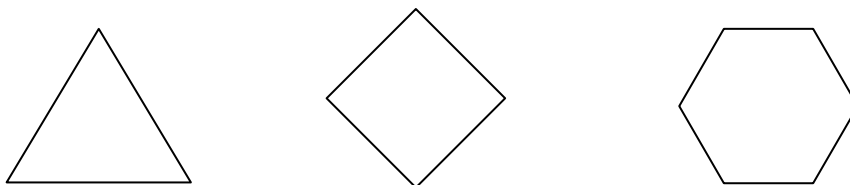


Key: Each  symbol represents 1

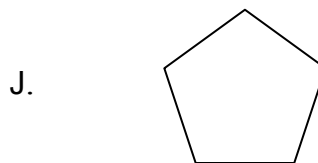
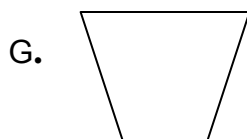
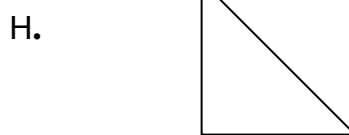
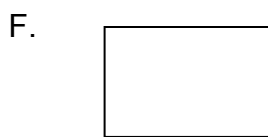
In order to fence each plot separately, how many feet of fencing do they need to buy?

- A. 24 feet
- B. 36 feet
- C. 48 feet
- D. 72 feet

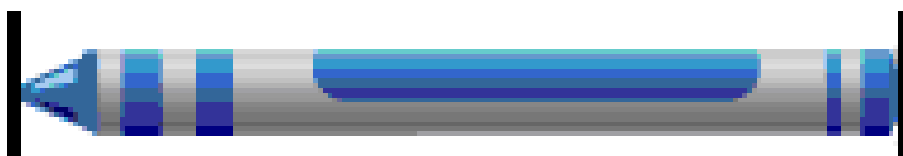
48. Abigail grouped the following shapes together based upon each shape having sides of the same length.



Which shape below could also be added to Abigail's group?



- 
49. Use your ruler to measure the crayon below to the nearest  $\frac{1}{2}$  inch.



- A. 4 in.  
B.  $4\frac{1}{2}$  in.  
C. 5 in.  
D.  $5\frac{1}{2}$  in.



50. Shelby asked her classmates to vote for their favorite food. The tally chart below shows their votes.

**Favorite Foods**

Food	Number of Classmates
Hamburger	
Hotdog	
Pizza	

Which pictograph correctly shows their votes?

F.

**Favorite Foods**

Food	Number of Votes
Hamburger	⊙ ⊙ ⊙ ⊙
Hotdog	⊙ ⊙ ⊙
Pizza	⊙

**Key** ⊙ Stands for 2 classmates

H.

**Favorite Foods**

Food	Number of Votes
Hamburger	⊙ ⊙ ⊙
Hotdog	⊙ ⊙ ⊙ ⊙
Pizza	⊙ ⊙

**Key** ⊙ Stands for 2 classmates

G.

**Favorite Foods**

Food	Number of Votes
Hamburger	⊙ ⊙ ⊙
Hotdog	⊙ ⊙ ⊙
Pizza	⊙

**Key** ⊙ Stands for 2 classmates

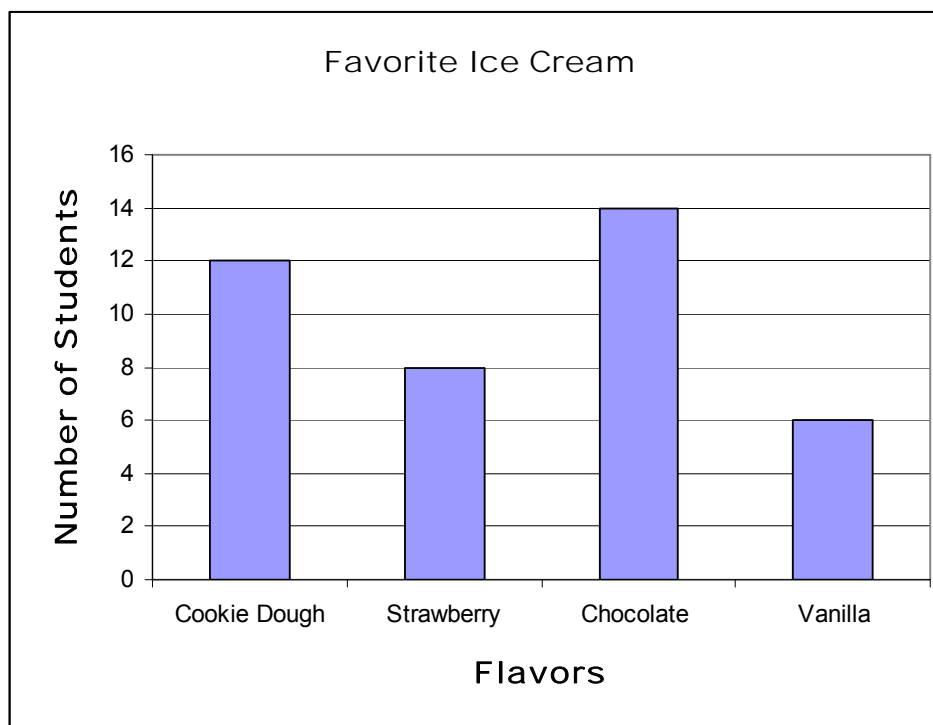
J.

**Favorite Foods**

Food	Number of Votes
Hamburger	⊙ ⊙ ⊙ ⊙ ⊙
Hotdog	⊙ ⊙ ⊙ ⊙ ⊙ ⊙ ⊙
Pizza	⊙ ⊙ ⊙ ⊙

**Key** ⊙ Stands for 2 classmates

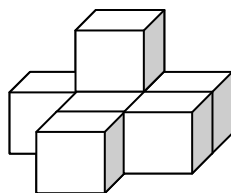
51. Mrs. McNair is having an ice cream party for her class.



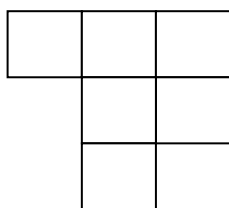
Based on the graph, which two flavors of ice cream will she most likely serve and why?

- A. She will most likely serve strawberry and vanilla because fewer students like these two flavors.
- B. She will most likely serve chocolate and cookie dough because more students prefer these flavors.
- C. She will most likely serve strawberry and vanilla because more students chose these as their favorites.
- D. She will most likely serve chocolate and cookie dough because the least number of students chose these flavors.

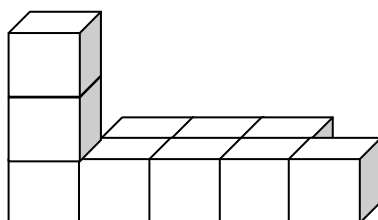
52. Consider this 3-dimensional figure:



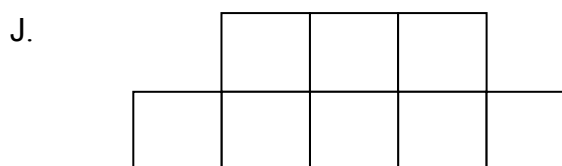
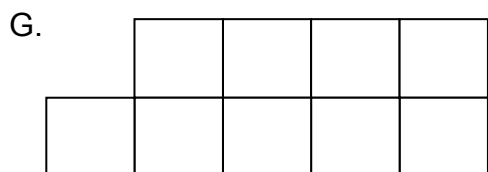
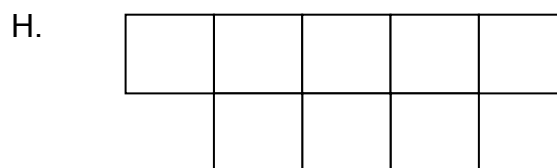
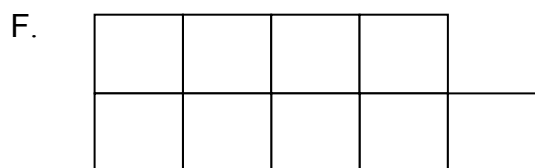
When viewed from above, this figure would look like the following 2-dimensional figure



Now consider the following 3-dimensional figure.

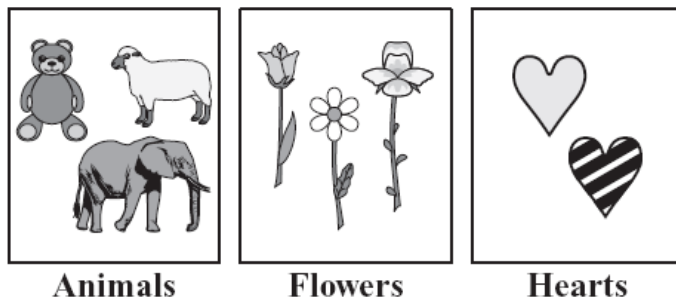


Choose the 2-dimensional figure that represents the 3-dimensional figure when viewed from above:



53. Shannon wants to decorate her folder with stickers. She decided to choose 1 animal, 1 flower, and 1 heart from each of the sticker groups shown below.

### Sticker Groups



What is the total number of different combinations of 1 animal, 1 flower, and 1 heart that Shannon can choose?

- A. 8
- B. 9
- C. 11
- D. 18

- 
54. You may use your ruler to answer the question below.



How much longer is the pencil than the paper clip?

- F. 12 centimeters
- G. 8 centimeters
- H. 5 centimeters
- J. 4 centimeter

55. Maggie has created a pattern using triangle and square tiles:



Holly wants to duplicate Maggie's pattern. Holly only has square tiles, but she claims that she can use the squares to represent the features of Maggie's pattern.

Which of the following cannot be a pattern that Holly could create?

- A.
- B.
- C.
- D.

BE SURE YOU HAVE MARKED ALL YOUR ANSWERS  
ON THE ANSWER DOCUMENT.

