

Mathematics

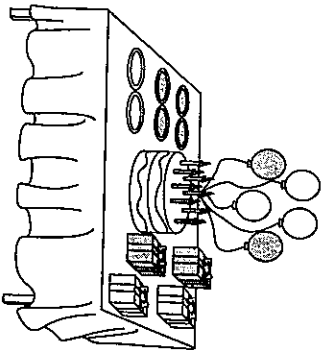
1.A-2.D

For pages 57-73

Mini-Test 1

Number and Operations; Algebra

DIRECTIONS: Use the picture of the table to answer questions 1-3.



1. What fraction of the balloons are shaded?

- (A) $\frac{1}{5}$
 (B) $\frac{2}{5}$
 (C) $\frac{4}{5}$
 (D) $\frac{3}{5}$

2. What fraction of the plates are shaded?

- (F) $\frac{3}{6}$
 (G) $\frac{2}{6}$
 (H) $\frac{4}{6}$
 (J) $\frac{1}{6}$

3. What fraction of the presents are shaded?

- (A) $\frac{2}{4}$
 (B) $\frac{3}{4}$
 (C) $\frac{2}{3}$
 (D) $\frac{1}{4}$

DIRECTIONS: Choose the best answer.

4. Which answer shows how many tens and ones are in fifty-seven?

- (F) 7 tens and 5 ones
 (G) 3 tens and 7 ones
 (H) 5 tens and 4 ones
 (J) 5 tens and 7 ones

5. Which number matches the word in the box?

nine hundred thirteen

- (A) 9,013
 (B) 9,413
 (C) 913
 (D) 3,391

6. Which number means one hundred, five tens, eight ones?

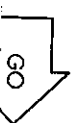
- (F) 158
 (G) 1,058
 (H) 581
 (J) 5,081

7. $78 + 25 = \square$

- (A) 23
 (B) 43
 (C) 93
 (D) 103

8. $6 \times 2 = \square$

- (F) 8
 (G) 12
 (H) 10
 (J) 18



Describing Change

Algebra

DIRECTIONS: Read each problem. Choose the best answer that describes each change.

1. Jack and Leo want to split one pizza for lunch. Then they invite a third friend to have some of their pizza, too. What happens to the size of each boy's slice?

- (A) Each slice gets smaller.
- (B) Each slice gets larger.
- (C) The slices stay the same size.
- (D) Each boy gets half of the pizza.

2. Lakeisha is building a tower with blocks. She adds some blocks. Then, she adds more blocks. What happens to the tower?

- (E) The tower does not change.
- (G) The tower gets shorter.
- (H) The tower stays the same size.
- (J) The tower gets taller.

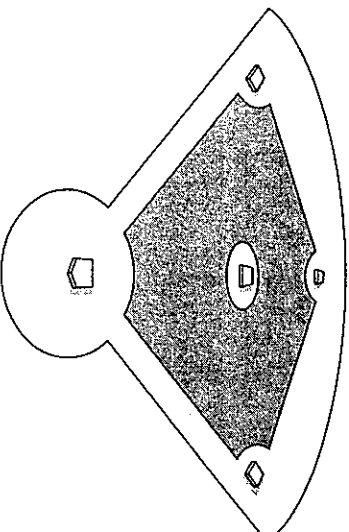
3. Jillian and her sister make a snowman. The sun begins to shine. It gets warmer and warmer. What happens to the snowman?

- (A) The snowman gets bigger.
- (B) The snowman gets smaller.
- (C) The snowman stays the same size.
- (D) Jillian adds a scarf to keep the snowman warm.

4. Kendal's plant is 2 inches tall. Troy's plant is 5 inches tall. Which of these sentences is true?

- (F) Kendal's plant is taller.
- (G) Troy's plant is shorter.
- (H) Kendal's plant is 3 inches shorter than Troy's plant.
- (J) Troy's plant is 3 inches shorter than Kendal's plant.

5. Juanita's softball team scored 4 runs in the first inning, 3 runs in the second inning, and 1 run in the third inning. Which of these sentences is true?

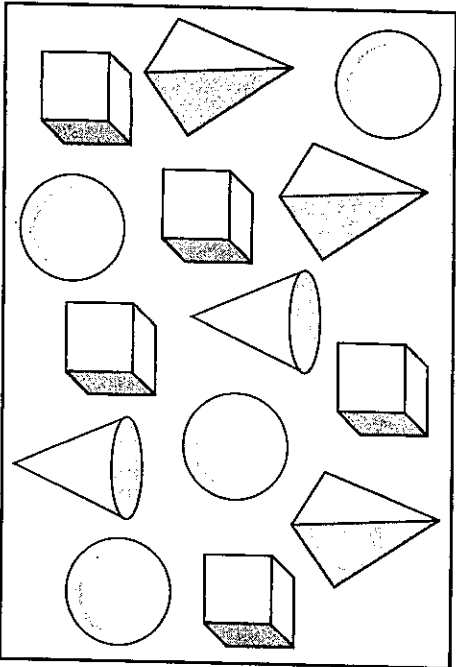


- (A) The number of runs they scored stayed the same each inning.
- (B) The number of runs they scored increased each inning.
- (C) Juanita's team lost the game.
- (D) The number of runs they scored decreased each inning.

6. On Monday, 3 inches of snow fell. On Tuesday, 2 inches of snow fell. On Wednesday, 4 inches of snow fell. Which of these sentences is true?

- (F) The least snow fell on Tuesday.
- (G) The amount of snow stayed the same each day.
- (H) The amount of snow decreased each day.
- (J) The amount of snow increased each day.

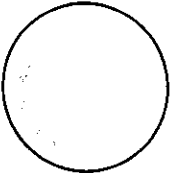
7. How many of these shapes are cubes?



- (A) 2
- (B) 3
- (C) 4
- (D) 5

8. What is the name of this figure?

- (F) cylinder
- (G) cube
- (H) sphere
- (J) triangle



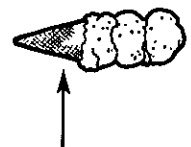
DIRECTIONS: Many everyday objects contain these shapes. For each object shown, choose cone, cylinder, sphere, or none of the above.

- 9.
- (A) cone
 - (B) cylinder
 - (C) sphere
 - (D) none of the above



10.

- (F) cone
- (G) cylinder
- (H) sphere
- (J) none of the above



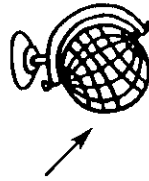
11.

- (A) cone
- (B) cylinder
- (C) sphere
- (D) none of the above



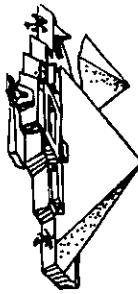
12.

- (F) cone
- (G) cylinder
- (H) sphere
- (J) none of the above



13.

- (A) cone
- (B) cylinder
- (C) sphere
- (D) none of the above



14.

- (F) cone
- (G) cylinder
- (H) sphere
- (J) none of the above



Comparing Shapes

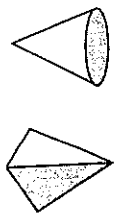
Geometry

DIRECTIONS: Choose the best answer.

1. How is a square different from a rectangle?

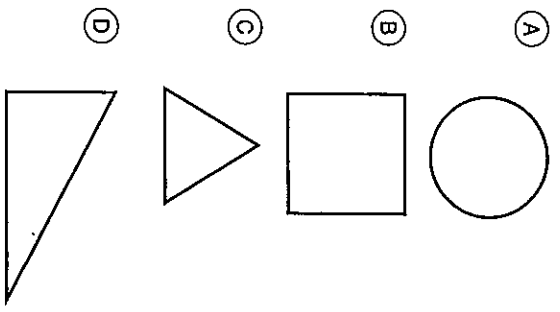
- (A) A square has four equal sides.
- (B) A square has two equal sides.
- (C) A square has right angles.
- (D) A square has parallel sides.

2. How is a cone similar to a pyramid?

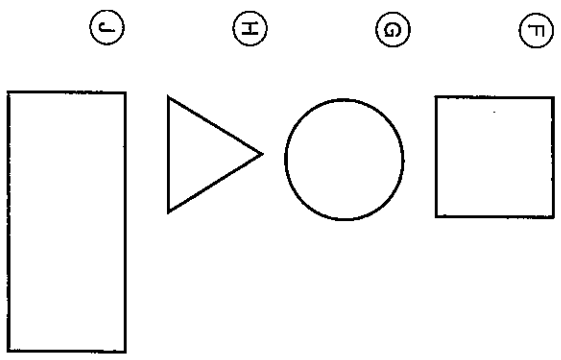


- (F) They both look like circles.
- (G) They both look like squares.
- (H) They both look like rectangles.
- (J) They both look like triangles.

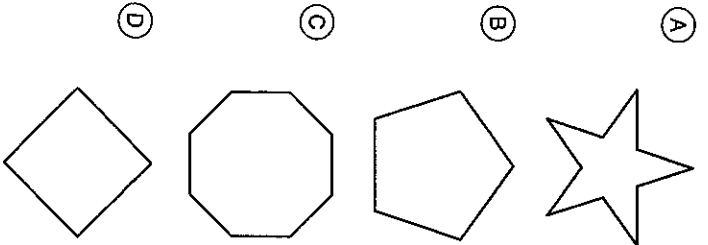
3. Which of these shapes does not have any sides or angles?



4. Which of these shapes has one less angle than a square?



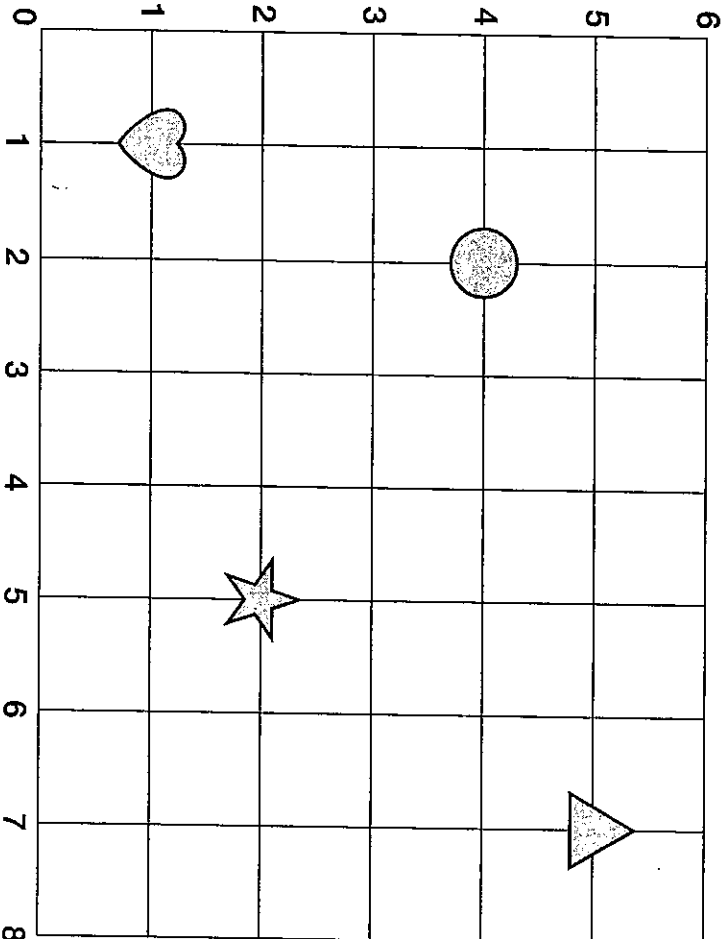
5. Which of these shapes has one more side than a square?



Using a Coordinate Grid

Geometry

DIRECTIONS: Use the grid to answer each question.



Always start at 0 when naming locations on a grid. Move right first and then move up to find each shape.

1. From 0, which shape is found 5 to the right and 2 up?

- (A) heart
- (B) circle
- (C) star
- (D) triangle

2. From 0, which shape is found 2 to the right and 4 up?

- (F) heart
- (G) circle
- (H) star

3. From the star, how do you get to the triangle?

- (A) go right 2 lines, up 3 lines
- (B) go right 1 line, up 1 line
- (C) go right 3 lines, up 3 lines
- (D) go right 2 lines, up 1 line

4. From the heart, how do you get to the circle?

- (F) go right 2 lines, up 2 lines
- (G) go right 2 lines, up 3 lines
- (H) go right 1 line, up 3 lines
- (J) go right 1 line, up 1 line



Name _____

Date _____

Mathematics

3.G

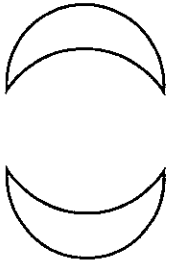
Transformations

Geometry

DIRECTIONS: Study the examples. Then, look at each pair of shapes. Decide if the shapes show a flip, turn, or slide.

Examples:

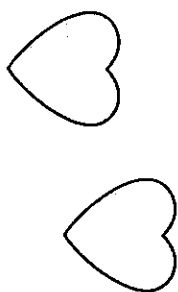
If you **flip** a shape, it looks like its mirror image.



If you **turn** a shape, it looks like the same shape, just turned one way or the other.



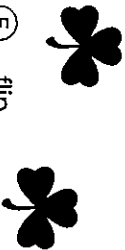
If you **slide** a shape, it looks like the same shape in a different location.



1. **3 3**

- (A) flip
- (B) turn
- (C) slide
- (D) none of the above

2.



- (F) flip
- (G) turn
- (H) slide
- (J) none of the above

3.



- (A) flip
- (B) turn
- (C) slide
- (D) none of the above

4.



- (F) flip
- (G) turn
- (H) slide
- (J) none of the above

5.



- (A) flip
- (B) turn
- (C) slide
- (D) none of the above

6.



- (F) flip
- (G) turn
- (H) slide
- (J) none of the above



Symmetry

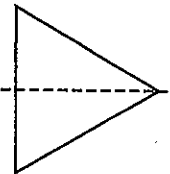
Geometry

DIRECTIONS: Choose the best answer.

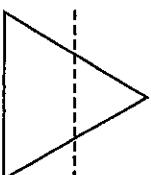
Example:

A line of **symmetry** is a line that divides a picture or shape into two equal halves. If you fold the shape along the line, both sides will match.

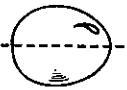
Both sides will match when this is folded along the dotted line.



These sides will not match when this is folded along the dotted line.



1. What shape would you have if you cut the egg exactly in half?



- (A)
- (B)
- (C)
- (D)

3. Which figure's two sides will not match when it is folded?

- (A)
- (B)
- (C)
- (D)

2. Which shape would you have if you cut the book exactly in half?



- (F)
- (G)
- (H)
- (J)

4. If you fold one of these figures in half, two of the sides will match exactly. Which figure is it?

- (F)
- (G)
- (H)
- (J)

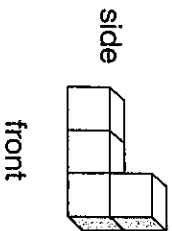


Recognizing Different Perspectives

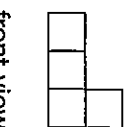
Geometry

Example:

Below are two-dimensional views of the three-dimensional shape on the left.



side



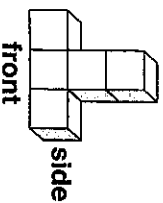
front view



side view

DIRECTIONS: Look at the three-dimensional shape. Then, picture the shape from the side or the front. Choose the best answer.

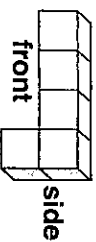
1. Which of these views shows this set of cubes from the side?



front

- (A)
- (B)
- (C)
- (D) none of the above

2. Which of these views shows this set of cubes from the front?



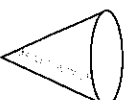
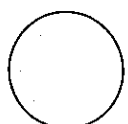
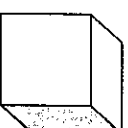
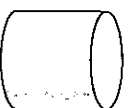
front

side

- (F)
- (G)
- (H)
- (J) none of the above

DIRECTIONS: Use the following objects to help you answer questions 3–5.

3. Which one of these objects does not roll well?



- (A) cylinder
- (B) cube
- (C) cone
- (D) sphere

4. Which one of these does not have any flat surfaces?

- (F) cylinder
- (G) cone
- (H) sphere
- (J) cube

5. Which one of these does not have any view that would be a circle?

- (A) cone
- (B) sphere
- (C) cylinder

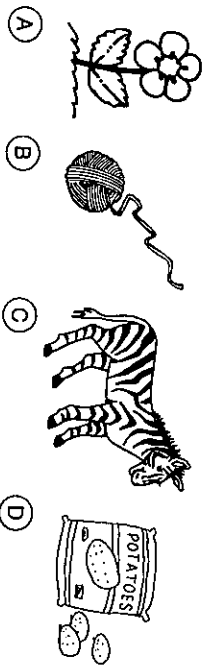


Using Measurement

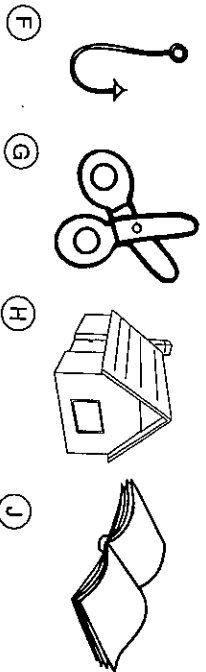
Measurement

DIRECTIONS: Choose the best answer.

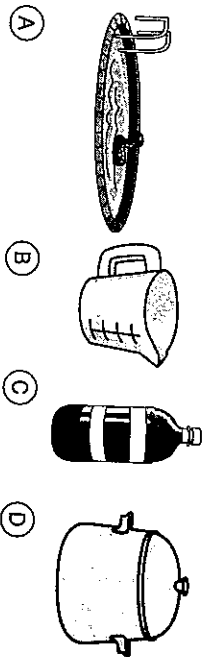
1. Which one of these objects might weigh 10 pounds?



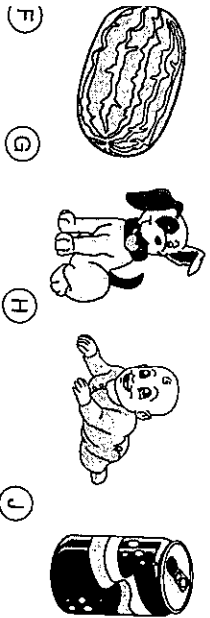
2. Which one of these objects is about an inch long in real life?



3. Which one of these objects can hold about 1 cup of liquid?



4. Which one of these objects weighs about 12 ounces?



5. Which of these units would be the best to measure how wide a room is?

- (A) inches
- (B) feet
- (C) pounds
- (D) miles

6. Which of these units would be the best to weigh a person?

- (F) inches
- (G) feet
- (H) pounds
- (J) miles

7. Which of these units would be the best to measure the length of a book?

- (A) inches
- (B) feet
- (C) pounds
- (D) miles

8. Which of these units would be the best to measure the distance between two cities?

- (F) inches
- (G) feet
- (H) pounds
- (J) miles

Mathematics

4.A

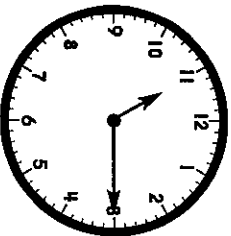
Describing Time

Measurement

DIRECTIONS: Choose the best answer.

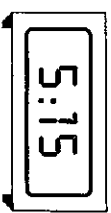
1. What time does the clock show?

- (A) 9:15
- (B) 10:30
- (C) 11:45
- (D) 11:15



4. Look at the digital clock.

Find the clock face that shows the same time.



(F)



(G)



(H)



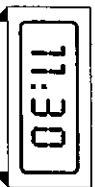
(J)



2. Look at the clock face.

Find the digital clock that shows the same time.

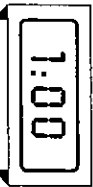
(F)



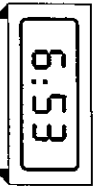
(G)



(H)



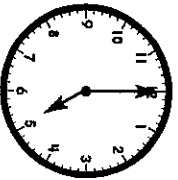
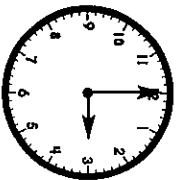
(J)



3. Look at each clock. The first one shows what time the children went to the park.

The second one shows what time they left the park. How long were they at the park?

- (A) 2 hours
- (B) 20 minutes
- (C) 5 hours
- (D) 8 hours



5. The time the clock shows is thirty minutes after what time?

- (A) 6:00
- (B) 3:00
- (C) 8:00
- (D) 7:00

