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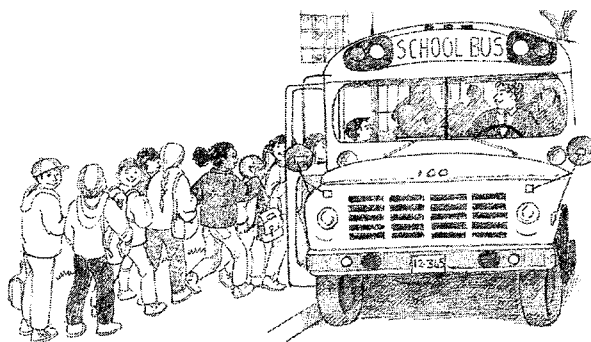
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Mathematics

3.D

Drawing Three-Dimensional Objects

Geometry

Example:

A basketball is shaped like a _____.

- (A) pyramid
- (B) circle
- (C) sphere
- (D) rectangle

Answer: (C)



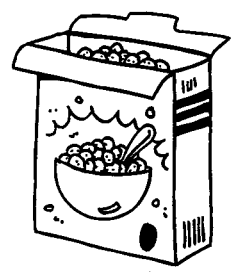
Imagine what each object looks like before choosing your answer.

DIRECTIONS: Choose the best answer for numbers 1–3.

DIRECTIONS: Draw the object based on the shape for numbers 4–6.

1. A cereal box is shaped like a _____.

- (A) pyramid
- (B) sphere
- (C) rectangular prism
- (D) cone



2. An alphabet block is usually shaped like a _____.

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

3. A can of soup is shaped like a _____.

- (A) pyramid
- (B) sphere
- (C) cylinder
- (D) trapezoid

4. Draw a real-life object in the shape of a cone.

5. Draw a real-life object in the shape of a cube.

6. Draw a real-life object in the shape of a sphere.

Mathematics

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Mini-Test 2

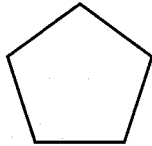
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Geometry; Measurement

DIRECTIONS: Choose the best answer.

1. This shape is called a(n) _____.

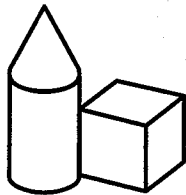
- (A) circle
 (B) pentagon
 (C) octagon
 (D) hexagon



2. Which polygon has fewer sides than a square?

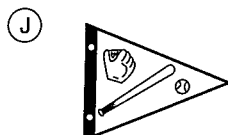
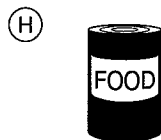
- (F) pentagon
 (G) triangle
 (H) octagon
 (J) square

3. What three solid objects have been used to make this object?



- (A) sphere, cylinder, rectangular prism
 (B) cube, cylinder, pyramid
 (C) pyramid, cylinder, square
 (D) cone, cylinder, cube

4. Which of these objects is shaped like a cube?

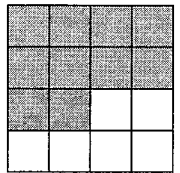


5. Which letter has a line of symmetry?

- (A) J
 (B) S
 (C) M
 (D) Q

6. Look at the shaded area in this square. If each square is an inch, what is the area of the shaded part?

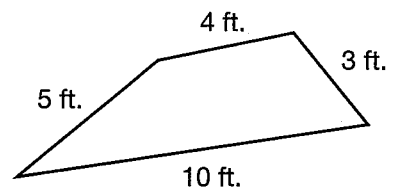
- (F) 16 square inches
 (G) 15 square inches
 (H) 12 square inches
 (J) 10 square inches



7. How many inches are in two feet?

- (A) 18 inches
 (B) 36 inches
 (C) 24 inches
 (D) 12 inches

8. Elana wants to put a fence around her flower garden. How many feet of fencing will she need?



- (F) 22 ft.
 (G) 50 ft.
 (H) 62 ft.
 (J) 33 ft.



Final Mathematics Test

for pages 45–73

DIRECTIONS: Choose the best answer.

1. Which of these numbers is eight thousand, six hundred twenty-two?

(A) 8,622
 (B) 8,602
 (C) 862
 (D) 88,622

2. If you arranged these numbers from least to greatest, which would be first?

3,090 3,990 3,190 3,009 3,099

(F) 3,090
 (G) 3,099
 (H) 3,009
 (J) 3,190

3. How can you write 26,345 in expanded notation?

(A) $26 + 34 + 5$
 (B) $2,600 + 3,400 + 5$
 (C) $26,000 + 6,000 + 300 + 45 + 1$
 (D) $20,000 + 6,000 + 300 + 40 + 5$

4. $11 \times \blacksquare = 33$

(F) 1
 (G) 2
 (H) 3
 (J) none of these

5. $48 \div 6 =$

(A) 8
 (B) 7
 (C) 9
 (D) none of these

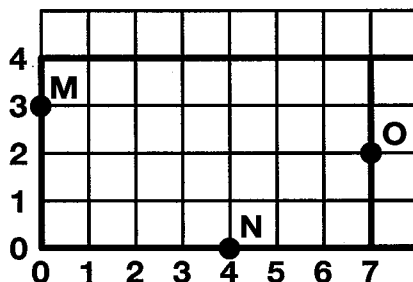
6. What is the next number after 3, 6, 9, 12?

(F) 13
 (G) 11
 (H) 15
 (J) 14

7. Steph ran 2 miles each day for a week. Which number sentence describes how far she ran?

(A) $2 \times 4 = \blacksquare$
 (B) $7 \times 4 = \blacksquare$
 (C) $2 \times 7 = \blacksquare$
 (D) $2 \times 2 = \blacksquare$

DIRECTIONS: The points *M*, *N*, and *O* represent the houses of three friends—Matt, Nate, and Onan. Each square in the grid represents a square mile. The heavy black lines on the grid represent roads. Use the following grid to answer questions 8 and 9.



8. What is the location of Matt's house?

(F) (1, 1)
 (G) (0, 3)
 (H) (4, 0)
 (J) (7, 2)

9. What is the location of Nate's house?

(A) (1, 1)
 (B) (0, 3)
 (C) (4, 0)
 (D) (7, 2)

