

Mathematics

4.B

Using Objects to Measure

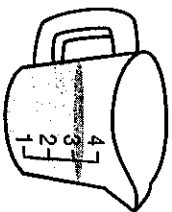
Measurement

DIRECTIONS: Choose the best answer.

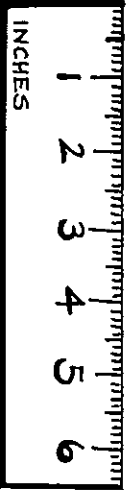
Example:

How many ounces of liquid are in the measuring cup?

- (A) 1
- (B) 2
- (C) 3
- (D) 4

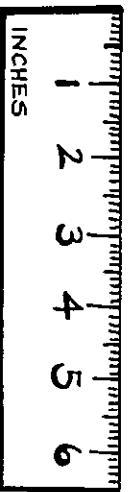
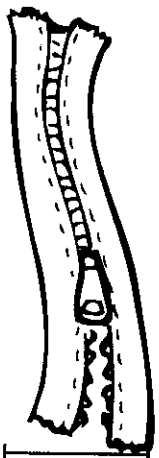


Answer: (C)



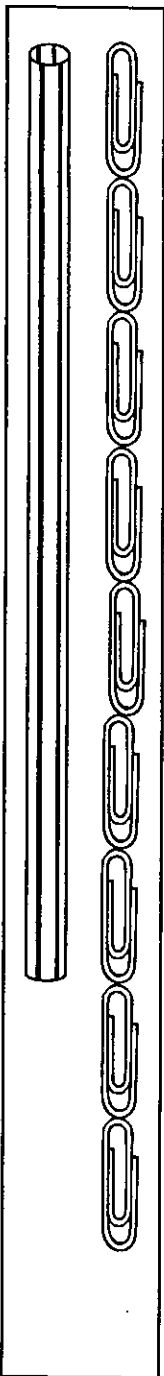
1. Look at the rulers and the items pictured. What is the difference in length between the leaf and the zipper?

- (A) 3 inches
- (B) 5 inches
- (C) 13 inches
- (D) 15 inches



2. How long are the leaf and the zipper if you put them together?

- (E) 5 inches
- (G) 7 inches
- (H) 9 inches
- (J) 11 inches

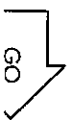


3. How many paper clips long is the drinking straw?

- (A) 10 paper clips
- (B) 4 paper clips
- (C) 20 paper clips
- (D) 7 paper clips

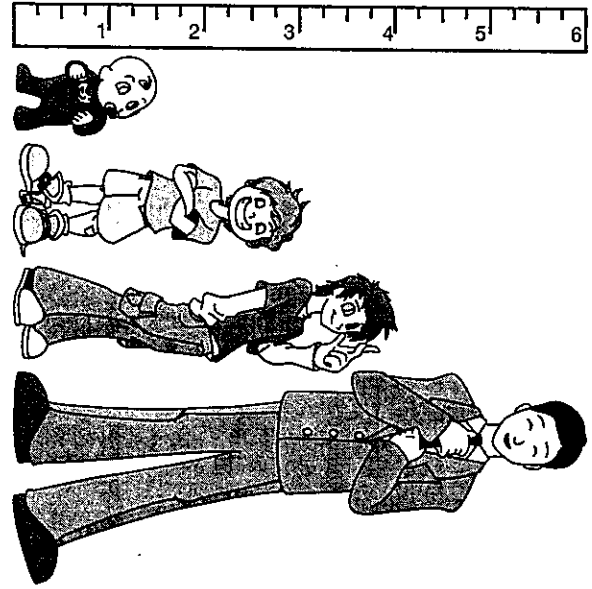
4. If each paper clip is about an inch long, how long is the drinking straw?

- (F) 4 inches
- (G) 7 inches
- (H) 10 inches
- (I) 20 inches



5. Look at the measuring tape. Look at the people. How tall is the shortest person?

- (A) 1 $\frac{1}{2}$ feet
- (B) 3 feet
- (C) 4 feet
- (D) 6 feet

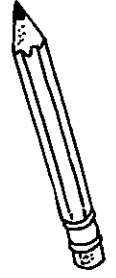


6. Which of the people above might weigh 180 pounds?

- (F) the baby
- (G) the young boy
- (H) the older boy
- (J) the man

7. About how long is this pencil in real life?

- (A) 1 inch
- (B) 1 foot
- (C) 7 inches
- (D) 2 feet



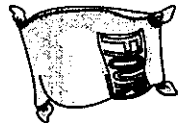
8. About how many ounces will this can hold in real life?

- (F) 12 ounces
- (G) 30 ounces
- (H) 50 ounces
- (J) 100 ounces



9. About how much does this bag of flour weigh in real life?

- (A) 10 ounces
- (B) 5 pounds
- (C) 30 pounds
- (D) 100 pounds



Mathematics

3.A-4.B

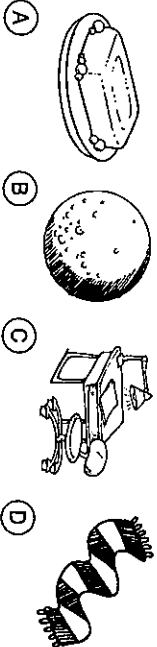
For pages 76-86

Mini-Test 2

Geometry; Measurement

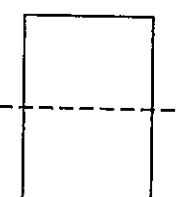
DIRECTIONS: Choose the best answer.

1. Which picture looks like a sphere?



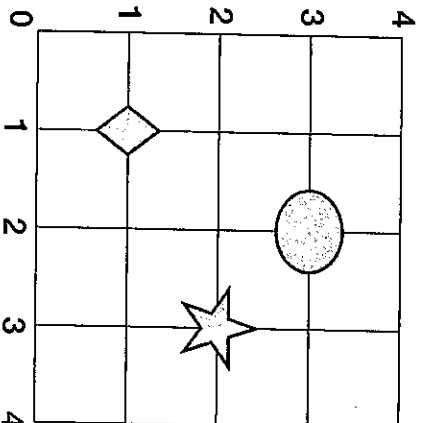
4. What shapes would you have if you cut this shape in half?

- (F) two squares
- (G) two circles
- (H) two rectangles
- (J) two triangles



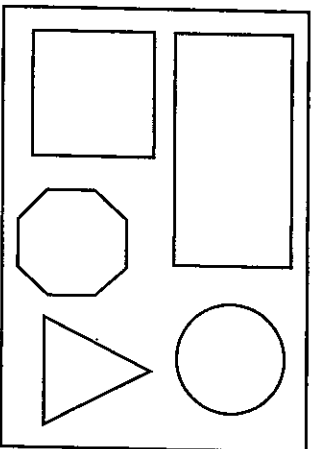
DIRECTIONS: Use the grid below to answer questions

5 and 6.

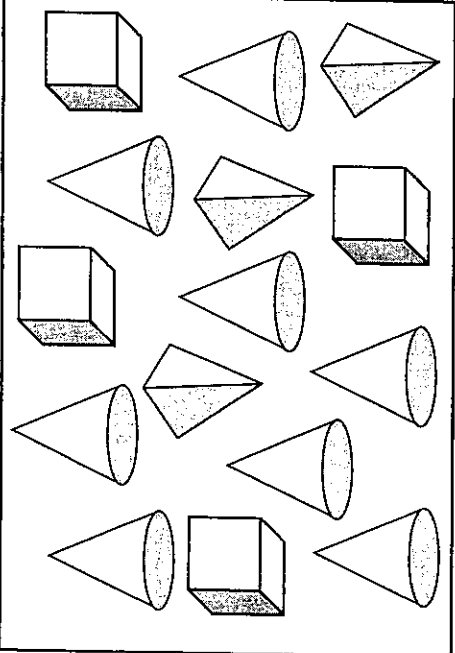


2. How many of these shapes have four or more sides?

- (F) 2
- (G) 3
- (H) 4
- (J) 5



3. How many more cones are there than cubes?



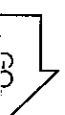
5. From 0, which shape is found 3 to the right and 2 up?

- (A) diamond
- (B) circle
- (C) star
- (D) none of the above

6. From the diamond, how do you get to the circle?

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

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



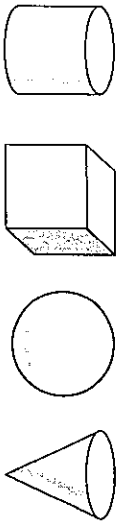
DIRECTIONS: Choose the best answer.

7. What kind of change to the shape on the left is shown here?



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

8. Which one of these has a side view of a square?



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

9. What time does the clock show?

- (A) 9:45
- (B) 10:15
- (C) 10:45
- (D) 11:00



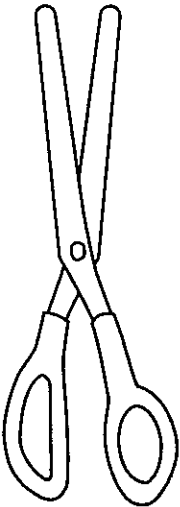
10. Look at the above clock. How long will it take for the minute hand to reach the 12?

- (F) 25 minutes
- (G) 30 minutes
- (H) 45 minutes
- (J) 50 minutes

11. Katarina is making a cake. Which of these units would be the best to measure how much flour she needs?

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

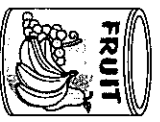
12. Look at the ruler. About how long is the pair of scissors in inches?



- (F) 3
- (G) 4
- (H) 5
- (J) 6

13. About how tall is this can in real life?

- (A) 1 inch
- (B) 1 foot
- (C) 5 feet
- (D) 5 inches



14. About how much does this apple weigh in real life?

- (F) 7 ounces
- (G) 7 pounds
- (H) 20 ounces
- (J) 20 pounds



Gathering and Graphing Data

Data Analysis and Probability

DIRECTIONS: Tia was helping out in her dad's shoe store. She thinks that the store sells more of some sizes than others. Tia kept track of how many shoes were sold in each size for three days. Her results are shown in the table below. Use the table to help you complete the pictograph. Draw one shoe for each pair of shoes that were sold. The results for the size 5 shoes have already been added to the graph.



A pictograph uses a symbol or picture to stand for a number on a graph.
The key will tell you the number that each picture stands for.

| Shoe Size | Total Pairs Sold | Shoe Size | Total Pairs Sold |
|-----------|------------------|-----------|------------------|
| 5 | 3 | 8 | 6 |
| 6 | 10 | 9 | 2 |
| 7 | 8 | | |

| Shoe Size | Total Pairs Sold |
|-----------|------------------|
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |

= 1 pair of shoes sold



Name _____ Date _____

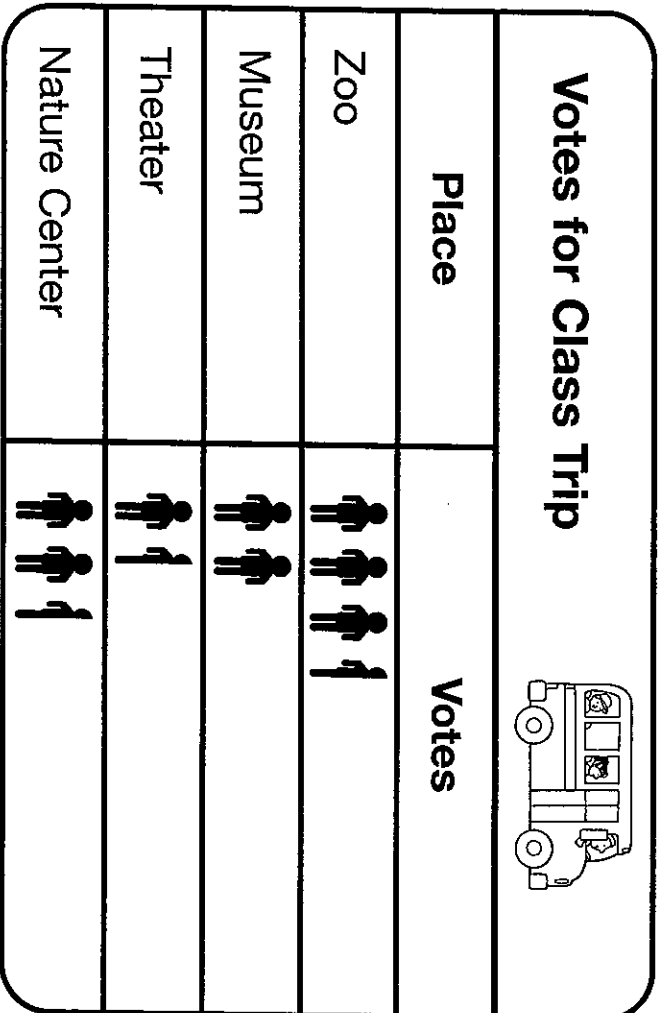
Mathematics

5.A


Representing Data


Data Analysis and Probability

DIRECTIONS: The second-grade students in Mrs. Paul's and Miss Fanta's classes voted on where they would go on a field trip. Their votes are shown in the pictograph below. Use the pictograph to answer the questions.



KEY

 = 6 students

 = 3 students

- How many students voted to go to the zoo?

- How many students voted to go to the museum?

- How many students voted to go to the theater?

- How many students voted to go to the nature center?

- Which place received the most votes?

- Which place received the least votes?

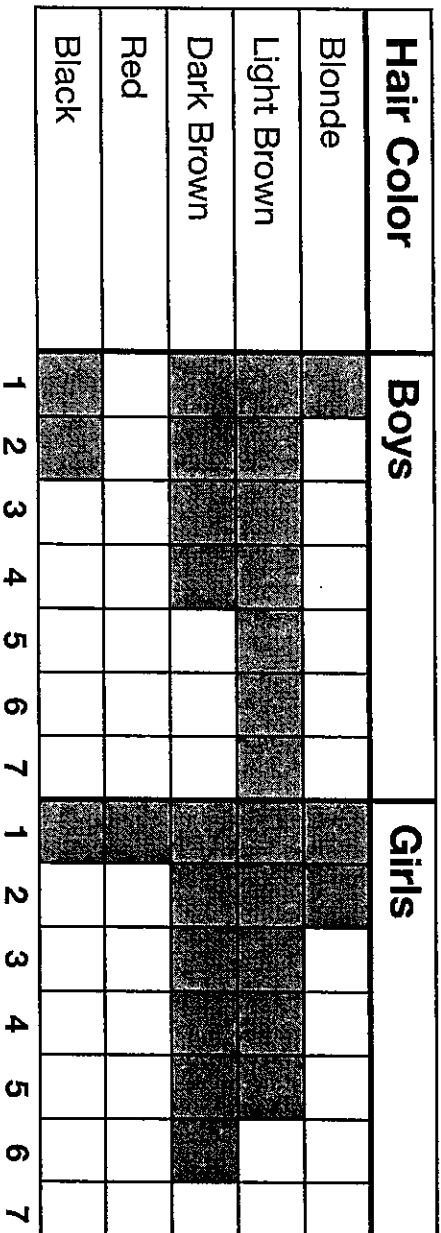
- What is the total number of students who voted?

Analyzing Data

5.B

Data Analysis and Probability

DIRECTIONS: Mrs. McNeil's class made a bar graph showing the hair color of the students in her class. Use the bar graph below to answer the questions.



- How many more girls have dark brown hair than boys?
 - 2
 - 4
 - 6
 - 8
- How many boys and girls have light brown hair?
 - 11
 - 9
 - 12
 - 8
- How many students are in the class?
 - 29
 - 15
 - 25
 - 31
- How many more girls are in the class than boys?
 - 1
 - 2
 - 3
 - 4
- Which color of hair does only 1 student have?
 - blonde
 - red
 - light brown
 - black
- How many more boys have dark brown hair than blonde hair?
 - 2
 - 0
 - 3
 - 5

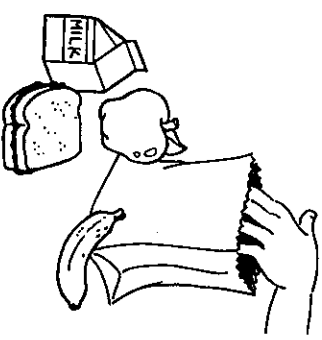
Mathematics

5.C

Describing Likelihood of Events

Data Analysis and Probability

DIRECTIONS: The students in Ms. Johnson's class are bored with their lunches. They decide to hold a surprise lunch day. They put their sandwiches in one pile and their snacks in another. Each student will be blindfolded. They will choose one sandwich and one snack from each table. Using the information below, answer the questions.



| Sandwich Type | Number |
|---------------|--------|
| Tuna | 3 |
| Jelly | 2 |
| Turkey | 5 |
| Cheese | 4 |
| Chicken salad | 1 |

| Snack Type | Number |
|---------------|--------|
| Cookie | 6 |
| Carrot sticks | 1 |
| Chips | 3 |
| Banana | 4 |
| Apple | 2 |

- Kyle is the first student to choose a sandwich. Which type of sandwich is he most likely to pull out?
 - tuna sandwich
 - turkey sandwich
 - cheese sandwich
 - jelly sandwich
- Which type of sandwich is he least likely to pull out?
 - cheese sandwich
 - jelly sandwich
 - tuna sandwich
 - chicken salad sandwich
- Jenna is the first student to choose a snack. Which type of snack is she most likely to pull out?
 - cookie
 - chips
 - banana
 - apple
- Which type of snack is she least likely to pull out?
 - apple
 - chips
 - carrot sticks
 - banana







Solving Problems

Process

DIRECTIONS: Choose the best answer.



Break each problem into parts to help you understand it.

- There are 24 students in a class. They form teams of 6 students each. Which number sentence shows how many teams they formed?
 - $24 - 6$
 - $24 \div 6$
 - $4 + 6$
 - 24×6
- A rancher has 16 calves. He has 4 pens. He puts the same number of calves in each pen. Which answer shows how many calves he puts in each pen?
 - 
 - 
 - 
 - 
- There are 27 students in a class. Each student brings in 5 insects for a science project. How can you find the number of insects they brought in altogether?
 - add
 - subtract
 - multiply
 - divide
- Jacob has \$3.00 to buy lunch. He buys a sandwich that costs \$1.50 and an orange. You want to find out how much money he has left. What other piece of information do you need?
 - how much the orange costs
 - what time Jacob ate lunch
 - how much the milk cost
 - where Jacob ate lunch
- The trip from Homeville to Lincoln usually takes 25 minutes by car. While making the trip, the driver spent another 12 minutes getting gas and 5 minutes waiting in traffic. How long did it take the driver to make the trip?
 - 32 minutes
 - 37 minutes
 - 48 minutes
 - 42 minutes
- The price of milk was 75 cents. It has increased by 8 cents. What would you do to find out the new price of milk?
 - multiply
 - divide
 - add
 - subtract

Name _____

Date _____

Mathematics

6.B

Showing Solutions

Process

DIRECTIONS: Solve these problems in the space provided. Use words, pictures, or numbers to write directions or show steps for solving the problem.

1. There are 5 lily pads in the pond. There are 2 frogs on each lily pad. How many frogs are there altogether?

- A 10 frogs
- B 13 frogs
- C 8 frogs
- D 16 frogs

2. At the county fair, there are 2 dunking booths, 8 rides, 2 shows, 5 games, and 1 hall of mirrors. How many attractions are at the county fair altogether?

- F 20 attractions
- G 19 attractions
- H 16 attractions
- J 18 attractions

3. Taina had a rectangle made out of paper. She drew a line down the middle of the rectangle from top to bottom. Then, she drew a line through the middle of the rectangle from left to right. She then had 4 shapes drawn. What 4 shapes had she made?

- A 4 squares
- B 4 circles
- C 4 rectangles
- D 4 triangles

4. Julie bought a model robot-building kit and a model rocket-building kit for \$63. She started with \$80. How much money did she have left?

- F \$27
- G \$22
- H \$7
- J \$17

