

Directions for Students

You are allowed to use your calculator for the following multiple-choice and open-ended items. You may also use the ruler and colored shapes.

Sample Multiple-Choice Question

The sample question below will show you what the multiple-choice questions are like and how to mark your answers. For each multiple-choice question, select the best answer and fill in the circle next to your choice. Make sure you fill in the correct circle.

Example:

- 1. Mark has a stamp collection. He has 22 stamps from Japan, 34 from Canada, and 17 from Mexico. How many stamps does he have in all?**

A 53

B 63

C 73

D 83

The correct answer is C. The circle with the C in it has been filled in to show that C is the correct answer.



Sample Open-Ended Question

The sample question below will show you what the open-ended questions are like and how to write your answer. You will write or draw your answer in the work area provided. When asked to explain an answer, you may use words, tables, diagrams, or pictures.

Example:

- A juice machine charges \$0.65 for a can of juice and accepts only nickels, dimes, and quarters. The machine requires exact change.**

- What combination of coins could you put in the juice machine to get a can of juice?**

Show your work or explain your answer.

Work area for question 1.



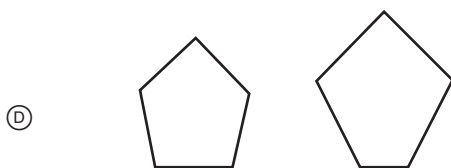
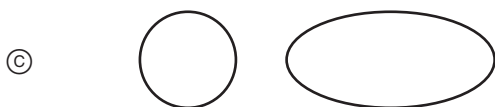
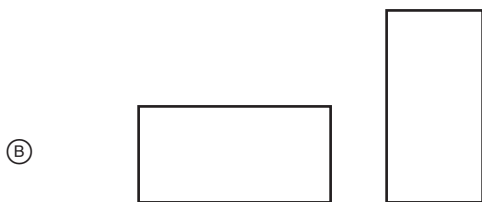
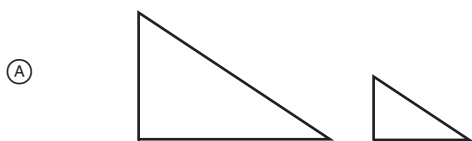
OR

I used two quarters, one dime, and one nickel.

These are just two examples of the many possible ways to answer open-ended questions. Be sure to answer all parts of the question, show your work, or explain your answer. You may use your calculator, ruler, and colored shapes.



5. Which of the following shows a pair of congruent figures?



7. Tisha wrote the following riddle to her friend:

I have 2 faces, no vertices, and I can roll.

What am I?

What is the answer to the riddle?

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



8. At West Elementary School, there are 20 more girls than boys. If there are 180 girls, how can you find the number of boys?

- Ⓐ add 20 to 180
- Ⓑ subtract 20 from 180
- Ⓒ multiply 180 by 20
- Ⓓ divide 180 by 20



9. If $84 \div \square = 7$, then what is the value of \square ?

- (A) 91
- (B) 77
- (C) 12
- (D) 7



