

*SKILLS LIST and SAMPLE TEST ITEMS*

*FOR*

**PRACTICE TEST FOR MATHEMATICS, GRADE 7**

*(Test items developed for skills measured in ACTAAP)*

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*Skills*

- |     |  |     |  |
|-----|--|-----|--|
| 1.0 | Number Sense                           | 4.0 | Data Analysis, Statistics,<br>Probability  |
| 1.1 | Properties of Number and<br>Operations | 4.1 | Collecting, Organizing,<br>Describing Data |
| 1.2 | Application to Real-World              | 4.2 | Probability                                |
| 2.0 | Geometry                               | 4.3 | Problem Solving                            |
| 2.1 | Properties of Shapes/Spatial<br>Sense  | 5.0 | Algebra                                    |
| 2.2 | Use in Real-World Situations           | 5.1 | Patterns and Functions                     |
| 3.0 | Measurement                            | 5.2 | Use in Real-World Situations               |
| 3.1 | Using Measurement Attributes           |     |  |
| 3.2 | Use of Measuring Tools                 |     |  |
| 3.3 | Application                            |     |  |

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Number of questions: 40

Number of pages: 11

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(OVER)

**ACTAAP PRACTICE TEST IN MATHEMATICS - GRADE 7  
FORM A**

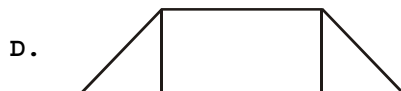
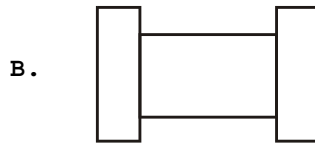
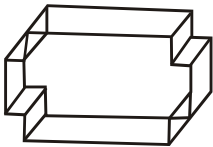
1. Carol Ann is fencing an area for her pet goat. The pen will be in the shape of a rectangle. The length is 10 feet, and the total perimeter is 44 feet. What is the width?

- A. 8 feet
- B. 10 feet
- C. 12 feet
- D. 14 feet

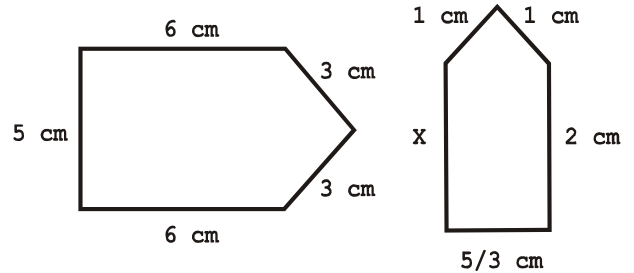
2. Mindy has a collection of stamps. Each stamp is worth \$0.32. Which equation shows the value of her collection, if  $s$  stands for the number of stamps and  $v$  stands for value?

- A.  $\$0.32s = v$
- B.  $\$0.32v = s$
- C.  $\$0.32 + v = s$
- D.  $\$0.32 + s = v$

3. Which figure below will give the top view of the following figure?



4. The pentagons below are similar to each other. What is the value of  $x$  on the smaller pentagon?



- A. 2 cm
- B. 3 cm
- C. 4 cm
- D. 5 cm

5. Penny made the Christmas tree below on her typewriter.

X  
XOX  
XOOX  
XOOOX

What fraction of her tree is X's?

- A.  $\frac{6}{13}$
- B.  $\frac{7}{13}$
- C.  $\frac{1}{13}$
- D.  $\frac{1}{2}$

6. Rex is planning to throw a Halloween party for his classmates. He wants to have enough refreshments so that each person can have 2 hot dogs, 2 drinks, and 3 pieces of candy. The party will last for 2 hours. What information is needed to determine the amount of food he needs to purchase?

- A. The date of the party
- B. The number of songs he will play on the cd player
- C. The number of classmates he will invite
- D. The time the party will end