

*SKILLS LIST and SAMPLE ITEMS*

*FOR*

**PRACTICE TEST FOR MATHEMATICS, GRADE 8**

(Test items developed for skills measured in CRCT)

---

*Skills*

- |  |  |
|--|--|
| 1.0 Number Sense and Numeration                                    | 4.0 Statistics and Probability   |
| 1.1 Fundamental Characteristics                                    | 4.1 Collects, Organizes, and Displays Data   |
| 1.2 Place Value  | 4.2 Probability  |
| 1.3 Properties of Numbers  | 4.3 Identifies Outcomes of Events  |
| 2.0 Geometry and Measurement                                       | 4.4 Mean, Mode, Median, and Range  |
| 2.1 Characteristics of Shapes; Classifying Plane and Solid Figures | 5.0 Computation and Estimation   |
| 2.2 Appropriate Units/Instruments                                  | 5.1 Properties of Addition and Multiplication  |
| 2.3 Formulas Related to Plane and Solid Figures                    | 5.2 Operations in Computation and Problem Solving (Whole Numbers/Fractions/Decimals/Mixed Numbers) |
| 3.0 Patterns and Relationships                                     | 5.3 Estimation and Mental Computation  |
| 3.1 Number Relations   | 5.4 Computes Percent   |
| 3.2 Predicts and Completes Patterns                                | 6.0 Problem Solving  |
| 3.3 Uses Order of Operations                                       | 6.1 Interprets Data/Appropriate Graphs   |
| 3.4 Solves Equations   | 6.2 Problem-Solving Strategies   |
- 

(c) EPES TESTING, INC.

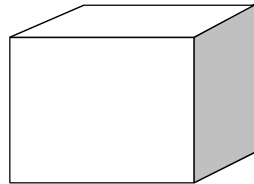
(OVER)

# CRCT PRACTICE TEST IN MATHEMATICS - GRADE 8 - FORM A

1. Lynn paid \$1.08 to make 18 copies at the Copy Store. At this rate, how much would she pay for 40 copies?

- A. \$2.40
- B. \$3.50
- C. \$4.80
- D. \$5.20

2. The box has length 10 inches, width 12 inches, and volume 960 cubic inches. What is the height?

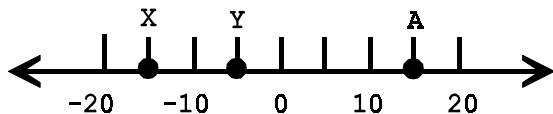


- A. 5 inches
- B. 6 inches
- C. 7 inches
- D. 8 inches

3. What is the missing X value?

X	Y
4	28
5	35
7	49
	42

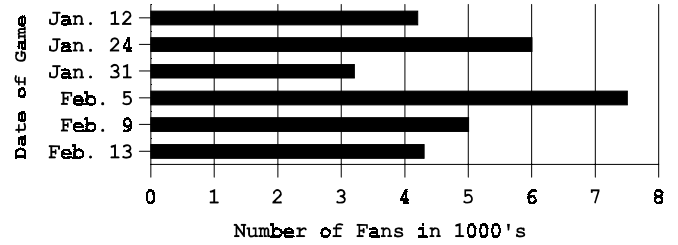
- A. 3
- B. 4
- C. 6
- D. 7



4. Which point is located between -10 and 5?

- A. X
- B. C
- C. B
- D. Y

**RAIDERS' BASKETBALL**



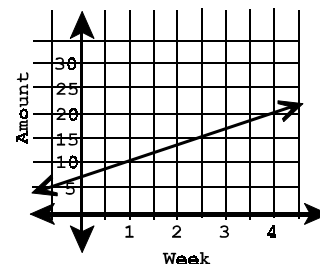
5. Which of these statements would not be true according to the information in this graph?

- A. The largest attendance was on Feb. 5.
- B. The attendance for the Feb. 9 game was 5,000.
- C. The Jan. 12 attendance was greater than the Jan. 24 attendance.
- D. The smallest attendance was on Jan. 31.

6. Which statement about integers is always true?

- A. Opposite integers are different distances from zero.
- B. Negative integers are always greater than positive integers.
- C. The set of whole numbers and their opposites are integers.
- D. Positive integers are located to the left of zero on a number line.

7. The following graph represents the amount of money that Steve saved over one month. What can you conclude from the graph?



- A. He saved \$3 per week.
- B. He started out with about \$7.
- C. He spent his money at Wal-Mart.
- D. He saved a total of \$25.