

SKILLS LIST and SAMPLE ITEMS

FOR

PRACTICE TEST FOR MATHEMATICS, GRADE 6 - FORM B
(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 and Organizes Data |
| 1.2 Place Value | 4.2 Interprets and Draws Conclusions from Data |
| 1.3 Properties of Numbers | 4.3 Probability |
| 2.0 Geometry and Measurement | 4.4 Identifies Outcomes of Events |
| 2.1 Characteristics of Shapes | 4.5 Determines Mean and Median |
| 2.2 Appropriate Units/Instruments | 5.0 Computation and Estimation |
| 2.3 Formulas Related to Plane and Solid Figures | 5.1 Properties of Addition and Multiplication |
| 3.0 Patterns and Relationships | 5.2 Operations in Computation and Problem Solving (Whole Numbers /Fractions/Decimals/Mixed Numbers) |
| 3.1 Number Relations | 5.3 Estimation and Mental Computation |
| 3.2 Predicts and Complete Patterns | 5.4 Computes Percent |
| 3.3 Missing Terms and Rules for Patterns | 6.0 Problem Solving |
| 3.4 Recognizes, Describes, and Generalizes Patterns and Sequences | 6.1 Interprets Data/Appropriate Graphs |
| 3.5 Identifies and Uses Variables | 6.2 Problem-Solving Strategies |
| 3.6 Uses Order of Operations | |
| 3.7 Solves Equations | |
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CRCT PRACTICE TEST IN MATH - GRADE 6 - FORM B

1. Jeffery can do a page of multiplication facts in about 18 minutes. About how long would it take him to do 7 pages?
 - A. about 1 hr
 - B. about 2 hrs
 - C. about 3 hrs
 - D. about $3\frac{1}{2}$ hrs

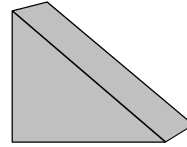
2. Judy must read a novel for literature class that has 749 pages. She has 7 days to read the book. How many pages must she read each day?
 - A. 170
 - B. 107
 - C. 105
 - D. 102

3. The lunch room serves 3 types of fruit, 4 types of vegetables, and 2 types of meat. How many different combinations can be made from these choices?
 - A. 36
 - B. 24
 - C. 14
 - D. 9

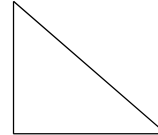
4. The pet store spends an average of \$1.25 a day for each dog they have in stock. Which expression below shows the amount spent in one month for the number, D, dogs?
 - A. $D + 30 + \$1.25$
 - B. $D \times 30 \times \$1.25$
 - C. $D \times 30 + \$1.25$
 - D. $D \times \$1.25 + 30$

5. Jared was selling boxes of cards for the Boy Scouts. He sold 4 boxes at \$2.00 each. He sold 3 boxes at \$1.50 each. How can he find the total amount of money he earned?
 - A. Multiply 4 times \$2.00 and add this to 3 times \$1.50
 - B. Add \$2.00 to \$1.50 4 times
 - C. Multiply \$2.00 times \$1.50
 - D. Multiply \$2.00 times 7

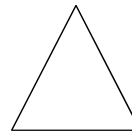
6. What would the view of this figure be from the bottom?



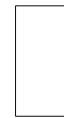
A.



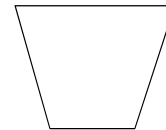
B.



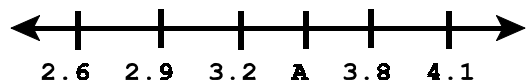
C.



D.



7. What number does letter A represent?



- A. 3.5
- B. 3.6
- C. 3.7
- D. 3.9

8. What is the probability of rolling a 3 on a dice?

- A. $\frac{1}{6}$
- B. $\frac{1}{12}$
- C. $\frac{2}{3}$
- D. $\frac{3}{6}$