

SKILLS LIST and SAMPLE ITEMS

FOR

PRACTICE TEST FOR MATHEMATICS, GRADE 7

(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 |
| 3.0 Patterns and Relationships | 5.3 Estimation and Mental Computation |
| 3.1 Number Relations | 5.4 Computes Percent |
| 3.2 Predicts and Complete 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 |
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(OVER)

CRCT PRACTICE TEST IN MATHEMATICS - GRADE 7 - FORM A

1. Add.

$$3.061 + 1.8$$

- A. 2.1061
- B. 3.079
- C. 4.681
- D. 4.861

2. Jamie saved part of her allowance for four weeks. The first week she saved \$4.20, the second week she saved \$3.85, the third week she saved \$2.50, and the fourth week she saved \$3.30. What was the total amount she saved?

- A. \$13.85
- B. \$13.75
- C. \$12.85
- D. \$12.75

3. A bookstore received a carton that contained 12 copies of a dictionary. Each dictionary weighs 2.3 kg, and the carton weighs 1.3 kg. What is the total weight of the filled carton?

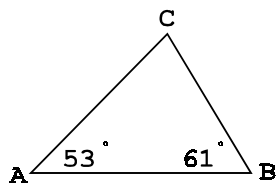
- A. 26.3 kg
- B. 27.6 kg
- C. 27.9 kg
- D. 28.9 kg

4. What is the probability of rolling an even number when using a standard number cube?

- A. $\frac{2}{3}$
- B. $\frac{3}{4}$
- C. $\frac{2}{4}$
- D. $\frac{4}{6}$

5. Find the measure of angle C.

- A. 180 degrees
- B. 114 degrees
- C. 66 degrees
- D. 61 degrees



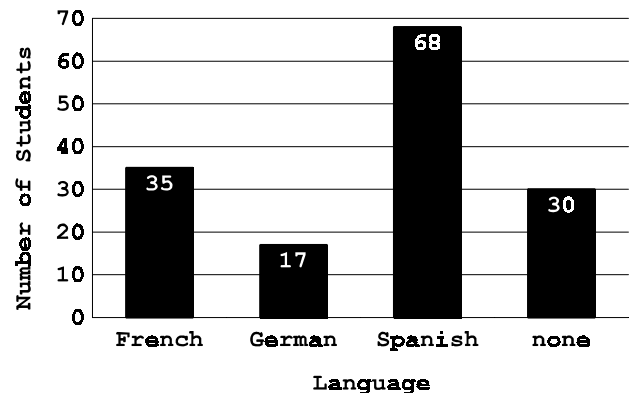
6. Choose the correct list of factors for 30.

- A. 1, 3, 5, 6, 10, 30
- B. 1, 2, 3, 5, 6, 10, 15, 30
- C. 1, 2, 3, 5, 6, 10, 30
- D. 1, 2, 3, 5, 6, 15, 30

7. What is the greatest number of movie tickets you can buy if you have \$33.48 and each ticket costs \$6.75?

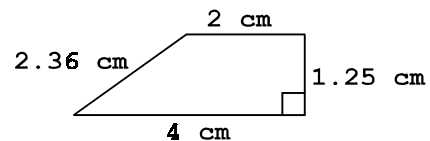
- A. 3
- B. 4
- C. 5
- D. 6

8. According to the graph, how many more students take Spanish than German?



- A. 17
- B. 30
- C. 51
- D. 68

9. Find the perimeter of this trapezoid.



- A. 9.61 cm
- B. 9.61 sq cm
- C. 3.67 cm
- D. 3.57 sq cm