

*SKILLS LIST and SAMPLE TEST ITEMS*

*FOR*

**PRACTICE TEST FOR MATHEMATICS, GRADE 6**

*(Test items developed for skills measured in GA03)*

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*Skills*

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|-----|---|-----|--|
| 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<br>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/<br>Instruments                                   | 5.0 | Computation and Estimation                       |
| 2.3 | Formulas Related to Plane and<br>Solid Figures                      | 5.1 | Properties of Addition and<br>Multiplication     |
| 3.0 | Patterns and Relationships  | 5.2 | Operations in Computation and<br>Problem Solving |
| 3.1 | Number Relations  | 5.3 | Estimation and Mental<br>Computation             |
| 3.2 | Predicts and Completes<br>Patterns                                  | 5.4 | Computes Percent                                 |
| 3.3 | Missing Terms and Rules for<br>Patterns                             | 6.0 | Problem Solving                                  |
| 3.4 | Recognizes, Describes, and<br>Generalizes Patterns and<br>Sequences | 6.1 | Interprets Data/Appropriate<br>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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Number of questions: 60

Number of pages: 10

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(OVER)

**GA03 PRACTICE TEST IN MATHEMATICS - GRADE 6**  
**FORM A**

**SECTION 1**

Read each question and choose the correct answer.

**SAMPLE**

Mr. Plunkett has graded 12 of the 18 projects turned in this morning. What percent has he graded?

- A. 67%
- B. 65%
- C. 60%
- D. 57%

1. Marsha's house is 1.5 miles from school. She walks to and from school each day. Which of the following represents the number of miles she walks in  $n$  days?

- A.  $3n$
- B.  $1.5n$
- C.  $1.5+n$
- D.  $3+n$

2. What is the median for the following numbers?

18, 14, 12, 9, 21, 6, 11

- A. 6
- B. 9
- C. 12
- D. 13

3. Which of the following is equal to  $8+(4+5)\div 3$ ?

- A. 18
- B. 15
- C. 11
- D. 9

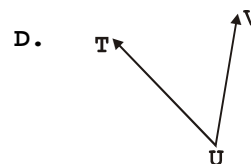
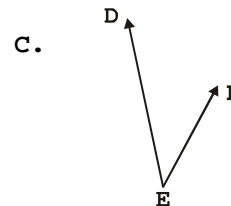
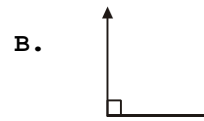
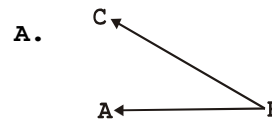
4. Jim and Mike sell medium-size melons for \$0.37 per pound. How much would they charge for 5 medium-size melons, each of which weighs 1.25 pounds?

- A. \$1.85
- B. \$2.31
- C. \$6.62
- D. \$23.10

5. Which of the following is equal to 5?

- A.  $(6-9)\div(8-5)$
- B.  $(6+9)\div(8-5)$
- C.  $(6+9)+(8-5)$
- D.  $(6+9)\div(8+5)$

6. Which of the following is NOT an acute angle?



7. What is the value of  $2x+3$ , if  $x=4$ ?

- A. 11
- B. 12
- C. 27
- D. 30