

SKILLS LIST and SAMPLE TEST ITEMS

FOR

PRACTICE TEST FOR MATHEMATICS, GRADE 11

(Test items developed for skills measured in CAT-5*)

Skills

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| 1.0 Mathematics Computation | 2.3 Interpreting and Evaluating Graphic Displays and Demonstrating Understanding of Probability and Statistics Concepts and Their Application in Problem Solving |
| 1.1 Adding, Subtracting, Multiplying, and Dividing Decimals Numbers | 2.4 Demonstrating Understanding of Concepts and Processes that Relate to Algebra Skills and Functions and Their Application in Problem Solving |
| 1.2 Adding, Subtracting, Multiplying, and Dividing Fractions | 2.5 Demonstrating Understanding of Measurement Concepts and Skills and Their Application in Problem Solving |
| 1.3 Adding, Subtracting, Multiplying, and Dividing Integers | 2.6 Demonstrating Understanding of Geometric Concepts, Properties, and Relationships and Their Application in Problem Solving |
| 1.4 Solving Problems Involving Percents | |
| 1.5 Solving Problems Involving the Standard Order of Operations | |
| 1.6 Solving Problems Involving Exponents and Algebraic Equations | |
| 2.0 Mathematics Concepts and Application | |
| 2.1 Demonstrating understanding of Number and Numerical Representations and Their Application in Problem Solving | |
| 2.2 Demonstrating Understanding of Number Theory Concepts and number Relationships and Their Application | |

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(OVER)

CAT MATHEMATICS PRACTICE TEST - GRADE 11

DIRECTIONS: Choose the correct answer for each question. If the correct answer is not here, choose NH.

1. $0.035 \times 0.112 =$

- A. 0.392 B. 0.0392 C. 3.92 D. 0.00392
-

2. 20% of _____ = 65

- A. 3.25 B. 325 C. 0.325 D. 32.5
-

3. $(7.0 \div 0.1) + (0.6 \times 2.0) =$

- A. 71.2 B. 70.2 C. 7.12 D. NH
-

4. The amount of water in a filled bathtub would probably be measured in

- A. liters C. centiliters
B. milliliters D. kiloliters
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5. What number is expressed by $(4 \times 10^2) + (3 \times 10^3) + (5 \times 10^2)$?

- A. 390,000 B. 39,000 C. 390 D. 3,900
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