

SKILLS LIST and SAMPLE TEST ITEMS

FOR

PRACTICE TEST FOR MATHEMATICS, GRADE 7

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

Skills

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

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(OVER)

CAT-5 MATHEMATICS PRACTICE TEST - GRADE 7

1.
$$\begin{array}{r} 6.5 \\ +2.04 \\ \hline \end{array}$$

- A. 8.44 B. 8.54 C. 0.854 D. 85.4
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2.
$$\begin{array}{r} 479.5 \\ - 0.2 \\ \hline \end{array}$$

- A. 479.3
B. 47.93
C. 4.793
D. none of these
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3.
$$3 \overline{)0.069}$$

- A. 0.23 C. 0.023
B. 0.0023 D. 2.3
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4.
$$\begin{array}{r} 75.04 \\ - 0.85 \\ \hline \end{array}$$

- A. 748.1 B. 75.19 C. 74.19 D. 64.81
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5.
$$\begin{array}{r} 356.38 \\ + 32.461 \\ \hline \end{array}$$

- A. 388.841
B. 378.841
C. 38.8841
D. 3.88841
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