

SKILLS LIST and SAMPLE TEST ITEMS

FOR

PRACTICE TEST FOR MATHEMATICS, GRADE 8

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

Skills

- | | |
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| <p>1.0 Mathematics Computation</p> <ul style="list-style-type: none">1.1 Adding, Subtracting, Multiplying, and Dividing Decimals Numbers1.2 Adding, Subtracting, Multiplying, and Dividing Fractions1.3 Adding, Subtracting, Multiplying, and Dividing Integers1.4 Solving Problems Involving Percents1.5 Solving Problems Involving the Standard Order of Operations1.6 Solving Problems Involving Exponents and Algebraic Equations <p>2.0 Mathematics Concepts and Application</p> <ul style="list-style-type: none">2.1 Demonstrating Understanding of Number and Numerical Representations and Their Application in Problem Solving2.2 Demonstrating Understanding of Number Theory Concepts and Number Relationships and Their Application | <ul style="list-style-type: none">2.3 Interpreting and Evaluating Graphic Displays and Demonstrating Understanding of Probability and Statistics Concepts and Their Application in Problem Solving2.4 Demonstrating Understanding of Concepts and Processes that Relate to Algebra Skills and Functions and Their Application in Problem Solving2.5 Demonstrating Understanding of Measurement Concepts and Skills and Their Application in Problem Solving2.6 Demonstrating Understanding of Geometric Concepts, Properties, and Relationships and Their Application in Problem Solving |
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(OVER)

CAT-5 MATHEMATICS PRACTICE TEST - GRADE 8

1. $36.5 - 2.3 =$

- A. 31.2 B. 34.2 C. 3.42 D. none of these
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2.
$$\begin{array}{r} 56.8 \\ -0.91 \\ \hline \end{array}$$

- A. 55.89 B. 5.589 C. 65.89 D. 6.589
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3. $89 + 0.324 =$

- A. 90.324 B. 88.324 C. 893.24 D. 89.324
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4. $8967.5 - 7 =$

- A. 8960.5 B. 8906.5 C. 896.05 D. none of these
-

5. $0.4 \overline{)1.28}$

- A. 32 B. 3.2 C. 3.02 D. 0.32
-

6.
$$\begin{array}{r} 476 \\ - 0.062 \\ \hline \end{array}$$

- A. 47.5938 B. 475.938 C. 47593.8 D. 475938
-

7. $2567.21 + 4.4 =$

- A. 25.7161 B. 25716.1 C. 2471.61 D. 2571.61
-

8.
$$\begin{array}{r} 35.56 \\ \times 40 \\ \hline \end{array}$$

- A. 1422.4 B. 14.224 C. 1.4224 D. none of these