

*SKILLS LIST and SAMPLE TEST ITEMS*

*FOR*

**PRACTICE TEST FOR MATHEMATICS, GRADE 8**

*(Test items developed for skills measured in ITBS\*)*

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*Skills*

1.0 Math Concepts

- 1.1 Numeration and Number Systems
- 1.2 Integers
- 1.3 Geometry
- 1.4 Measurement
- 1.5 Fractions
- 1.6 Percents
- 1.7 Probability and Statistics
- 1.8 Equations and Inequalities

2.0 Estimation

- 2.1 Addition
- 2.2 Subtraction
- 2.3 Multiplication
- 2.4 Division
- 2.5 Percents

3.0 Problem Solving

- 3.1 Word Problems Using Addition/  
Subtraction
- 3.2 Word Problems Using  
Multiplication
- 3.3 Word Problems Using Division
- 3.4 Missing or Irrelevant Information
- 3.5 Two or More Step Problem

4.0 Data Interpretation

- 4.1 Tables
- 4.2 Graphs

5.0 Math Computation

- 5.1 Integers
- 5.2 Fractions
- 5.3 Decimals

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Number of questions: 135

Number of pages: 27

Approximate testing time: 80 minutes

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(OVER)

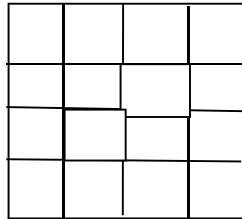
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# ITBS MATHEMATICS PRACTICE TEST - GRADE 8

1. What number is 4 hundredths more than 311.772?

- A. 312.172      B. 311.812      C. 311.776      D. NH
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2. What part of this square is shaded?



- A. 87.5%      B. 25%      C. 12.5%      D. NH
- 

3. What is another name for three hundred twenty and fourteen hundredths?

- A. 320,014      B. 320.014      C. 320.14      D. 32,014
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4. What is the value of  $y$  in the number sentence below?

$$(3 \times y) + 4 = 31$$

- A. 9      B. 7      C. 5      D. 2
- 

5. The measurement of a window pane would probably be measured in

- A. ounces  
B. grams  
C. square centimeters  
D. square feet
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