

SKILLS LIST and SAMPLE TEST ITEMS

FOR

**PRACTICE TEST FOR MATHEMATICS, GRADE 8
SHORT FORM A**

(Test items developed for skills measured in ITBS03)

Skills

- | | | | |
|-----|--------------------------|-----|-----------------|
| 1.0 | Math Concepts | 3.0 | Computation |
| 1.1 | Properties/Operations | 3.1 | Whole Numbers |
| 1.2 | Algebra | 3.2 | Fractions |
| 1.3 | Geometry | 3.3 | Decimals |
| 1.4 | Measurement | 4.0 | Thinking Skills |
| 1.5 | Probability/Statistics | 4.1 | Math Concepts |
| 1.6 | Estimation | 4.2 | Problem Solving |
| 2.0 | Problem Solving | | |
| 2.1 | Problem Solving | | |
| 2.2 | Locate/Interpret Amounts | | |
| 2.3 | Quantities | | |
| 2.4 | Relationships | | |

Number of questions: 46
Number of pages: 9
Approximate testing time: 30 minutes

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(OVER)

ITBS03 PRACTICE TEST IN MATHEMATICS - GRADE 8
FORM A

DIRECTIONS: Read each question carefully and choose the correct answer. Mark that choice on your answer sheet.

SAMPLE A

John has 93.456 points in science class. Round this number to the nearest hundredth.

- A. 94.00
- B. 93.55
- C. 93.46
- D. 93.36

1. Which of the following would be most accurate in measuring the length of an ant?
 - A. Grams
 - B. Milligrams
 - C. Kilometers
 - D. Millimeters

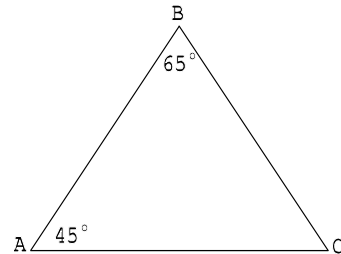
2. Which property is demonstrated below?
 $4 + (5 + 8) = (4 + 5) + 8$
 - A. Associative property
 - B. Distributive property
 - C. Reflexive property
 - D. Commutative property

3. Mandy worked $\frac{1}{3}$ of her homework problems in 30 minutes. At this rate how long will she spend on all of her homework?
 - A. 1 hour
 - B. 1.5 hours
 - C. 2 hours
 - D. 3 hours

4. Sally sold 3 more rockets than two times the amount Jane sold. Together they sold 17. Which equation represents the total amount sold?
 - A. $3 + x = 17$
 - B. $3(2) + x = 17$
 - C. $17 \times 2 = 3x$
 - D. $3 + 3x = 17$

5. Which of the following demonstrates the distributive property?
 - A. $9(3 + 5) = 9(3) + 9(5)$
 - B. $9(3 + 5) = (9 \times 3) + 5$
 - C. $9(3 + 5) = 9(3) + 5$
 - D. $9(3 + 5) = 3 + 9(5)$

6. In the triangle below, angle A measures 45 degrees, and angle B measures 65 degrees.



What is the measure of angle C?

- A. 70 degrees
 - B. 75 degrees
 - C. 80 degrees
 - D. 85 degrees
7. Seth has a bag of candy. There are 12 blue, 8 red, 6 green, 10 yellow, and 4 orange. What is the probability that he picks a yellow one?
 - A. $\frac{1}{4}$
 - B. $\frac{1}{3}$
 - C. $\frac{2}{5}$
 - D. $\frac{1}{2}$