

*SKILLS LIST and SAMPLE TEST ITEMS*

*FOR*

**PRACTICE TEST FOR MATHEMATICS, GRADE 7**

*(Test items developed for skills measured in ITBS03)*

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*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            |     |                 |

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Number of questions: 107

Number of pages: 16

Approximate testing time: 75 minutes

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(OVER)

**ITBS03 PRACTICE TEST IN MATHEMATICS - GRADE 7  
FORM A**

**DIRECTIONS:** Read each question carefully and choose the correct answer.

**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. Last night Jill worked the following math problem incorrectly.

$6 \times 7 + 8 \times 2$   
 $6 \times 15 \times 2$   
 $90 \times 3$   
180

Which step should be completed first?

- A.  $7 \times 2$
- B.  $7 + 8$
- C.  $8 \times 2$
- D.  $6 \times 7$

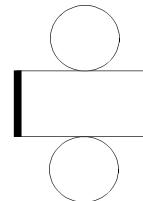
2. Kara recorded a measure of 3.5 cm. Which of the following did she measure?

- A. Her height
- B. The height of her classroom door
- C. A toothbrush
- D. A paperclip

3. Megan wants to find the cost of her baking goods. She purchased 5 lbs of flour for \$0.25 per pound, 1 lb of sugar for \$0.50 per pound, and  $\frac{1}{2}$  cup of cocoa for \$0.16 a cup. Which method below shows the correct way to figure her cost?

- A.  $\$1.25 + \$0.50 \times \$0.16$
- B.  $\$1.25 + \$0.50 + \$0.16$
- C.  $5(\$0.25) + \$0.50 + \$0.16$
- D.  $5(\$0.25) + 1(\$0.50) + \frac{1}{2}(\$0.16)$

4. If the picture below was cut along the heavy dark lines and folded along the black lines, what 3-dimensional object would you get?



- A. Cylinder
- B. Trapezoid
- C. Cone
- D. Cube

5. Which ordered pair will solve the linear equation  $y = 3x + 6$ ?

- A. (1, 3)
- B. (-1, 3)
- C. (-2, -6)
- D. (0, 3)