

SKILLS LIST and SAMPLE TEST ITEMS

FOR

**PRACTICE TEST FOR MATHEMATICS, GRADE 7
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: 43
Number of pages: 9
Approximate testing time: 30 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.

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

Which step should be completed first?

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

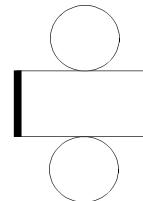
2. Kara recorded a measure of 3.5 cm. Which of the following did she measure?

- 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)