

SKILLS LIST and SAMPLE TEST ITEMS

FOR

PRACTICE TEST FOR MATHEMATICS, GRADE 10

(Test items developed for skills measured in ITBS03)

Skills

- | | | | |
|-----|---|-----|-------------------------|
| 1.0 | Math Concepts | 3.0 | Processes |
| 1.1 | Numbers Sense | 3.1 | Concepts and Procedures |
| 1.2 | Data Interpretation
Statistical Analysis | 3.2 | Interpret Data |
| 1.3 | Geometric Concepts | 3.3 | Problem Solving |
| 1.4 | Algebraic Concepts | 4.0 | Thinking Skills |
| 2.0 | Computation | 4.1 | Math Concepts |
| 2.1 | Operations on Integers | | |
| 2.2 | Decimals/Percents | | |
| 2.3 | Rational Numbers | | |
| 2.4 | Applying Algebra | | |

Number of questions: 70

Number of pages: 10

Approximate testing time: 55 minutes

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(OVER)

**ITBS03 PRACTICE TEST IN MATHEMATICS - GRADE 10
FORM A**

DIRECTIONS: Read each question and then choose the correct answer.

SAMPLE A

Rhonda measured her family to determine heights. The results are as follows:

Abe 48", Chris 56", Sue 54",
Matt 69", and Sharon 65".

How much taller is Matt than Sue?

- A. 15"
- B. 18"
- C. 19"
- D. 22"

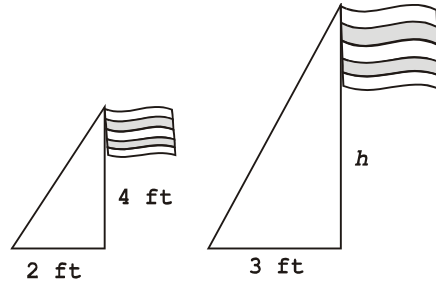
1. Larry has 3 show pigs that he wants to enter in the fair. The smallest weighs 128 pounds, and the largest weighs 155 pounds. How much do all three weigh?

- A. 283 lbs
- B. 423 lbs
- C. 458 lbs
- D. 472 lbs

2. Linda was told in science class that the distance to the satellite orbiting the earth was 1.75×10^6 miles. Which of the following is the distance to the satellite?

- A. 1,750,000,000
- B. 1,750,000
- C. 175,000
- D. 17,500

3. The triangles below are similar.



Find the value of h .

- A. 4.5 ft.
- B. 6 ft.
- C. 6.5 ft.
- D. 7 ft.

4. Marcy wants to fill the packing crate with books. The crate is 8 inches long, 8 inches wide, and 8 inches tall. How many books will it hold if the books are 2 inches tall, 2 inches wide, and 2 inches long?

- A. 24
- B. 48
- C. 64
- D. 88

5. J.D. earned \$37.50 working 5 hours. At this rate, how much will he earn if he works 8 hours?

- A. \$45.00
- B. \$53.50
- C. \$60.00
- D. \$62.50

6. Which list below is in order from smallest to largest?

- A. 16, $\sqrt{272}$, 5^2 , $\sqrt{1296}$
- B. $\sqrt{1296}$, 5^2 , $\sqrt{272}$, 16
- C. 5^2 , $\sqrt{1296}$, $\sqrt{272}$, 16
- D. $\sqrt{272}$, $\sqrt{1296}$, 5^2 , 16