

SKILLS LIST and SAMPLE ITEMS FOR
PRACTICE TEST, MATHEMATICS, GRADE 7
(Test items developed for skills measured in FCAT)

Skills

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|-----|--|-----|--|
| 1.0 | Numbers Sense, Concepts, and Operations | 3.0 | Geometry |
| 1.1 | How Numbers are Represented and Used in the Real World | 3.1 | Two- and Three-Dimensional Shapes |
| 1.2 | Number Systems | 3.2 | Shapes |
| 1.3 | Operations on Numbers and Their Relationships | 3.3 | Locate Objects in Two and Three Dimensions; Describe Objects Algebraically |
| 2.0 | Measurement | 4.0 | Algebraic Thinking |
| 2.1 | Measures Quantities/Solves Problems | 4.1 | Patterns/Relations/Functions |
| 2.2 | Compares/Contrasts/Converts | 4.2 | Expressions/Equations/Inequalities/Graphs/Formulas |
| | | 5.0 | Data Analysis and Probability |
| | | 5.1 | Tools for Managing Information |
| | | 5.2 | Identify Patterns/Make Predictions |
| | | 5.3 | Statistical Methods |

Number of questions: 46
Number of pages: 13

FCAT PRACTICE TEST IN MATHEMATICS - GRADE 7

1. Jana has 24 math problems for homework. She completed 6 in class. What percent did she finish in class?
- A. 18% B. 4% C. 25% D. 30%
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2. Margo made three times as much money as Tony. If Tony made \$9, which of the equations below would you use to find out how much money Margo made?
- A. $m = 3 \times 3$ C. $m = 3 \times 9$
B. $9 \times 9 \times 9 = m$ D. $9 \div 3 = m$
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3. A mayonnaise jar holds 0.947 liters. How many milliliters does it hold?
- A. 947.2 B. 947 C. 94.7 D. 9.47
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4. There were 8 flashlight batteries in the drawer. Dad put 5 more batteries in the drawer. Mother took out 3 of the batteries. Which of the number sentences could be used to find out how many batteries remained in the drawer?
- A. $(8 - 5) + 3 = ?$ C. $(8 + 3) - 5 = ?$
B. $(8 + 5) - 3 = ?$ D. $8 + 5 + 3 + ?$
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5. The artist sold 4 paintings at \$20 each and 4 paintings at \$50 each at the annual art show. Which of the number sentences below would show how much the artist made at the art show?
- A. $4(\$20) + 4(\$50) = \underline{\hspace{2cm}}$ C. $\$80 + \$150 = \underline{\hspace{2cm}}$
B. $16(\$70) = \underline{\hspace{2cm}}$ D. $4(\$70) = \underline{\hspace{2cm}}$
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