

SKILLS LIST and SAMPLE ITEMS FOR
PRACTICE TEST, MATHEMATICS, GRADE 9
(Test items developed for skills measured in FCAT)

Skills

- | | | | |
|-----|--|-----|--|
| 1.0 | Numbers Sense, Concepts, and Operations | 4.0 | Algebraic Thinking |
| 1.1 | How Numbers are Represented and Used in the Real World | 4.1 | Patterns/Relations/Functions |
| 1.2 | Operations on Numbers and Their Relationships | 4.2 | Expressions/Equations/Inequalities/Graphs/Formulas |
| 2.0 | Measurement | 5.0 | Data Analysis and Probability |
| 2.1 | Measures Quantities/Solves Problems | 5.1 | Understands and Interprets Information |
| 2.2 | Compares/Contrasts/Converts | 5.2 | Identify Patterns/Probability |
| 3.0 | Geometry | 5.3 | Statistical Methods |
| 3.1 | Two- and Three-Dimensional Shapes | | |
| 3.2 | Shapes | | |
| 3.3 | Locate Objects in Two and Three Dimensions; Describe Objects Algebraically | | |
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Number of questions: 45

Number of pages: 14

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FCAT PRACTICE TEST IN MATHEMATICS - GRADE 9

1. Suppose a person was offered 25% or $\frac{13}{50}$ of the prize money from the annual treasure hunt. Which would be the most profitable choice?

A. 25% B. $\frac{13}{50}$ C. neither D. the same

2. What is the range of Michael's test scores?

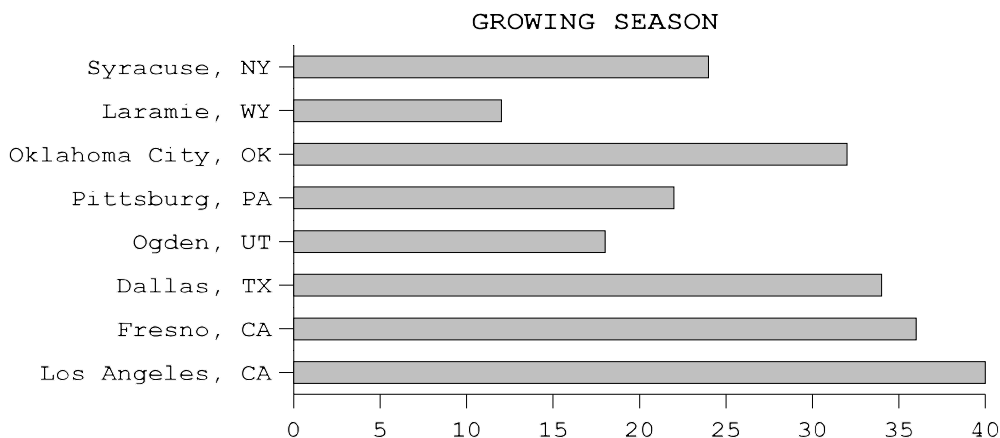
73, 61, 56, 82, 91, 78, 88, 78, 73, 73

A. 56 B. 35 C. 73 D. 91

3. Of the last 10 automobiles that passed, 3 were vans. Based on this, how many of the next 30 do you expect to be vans?

A. 9 B. 10 C. 11 D. 12

The graph below compares the growing seasons of certain cities in weeks.



4. Using the graph above, about how many weeks are there in the average growing season?

A. 48 B. 27 C. 34 D. 22

5. If fabric is sold only by the yard and your grandmother determines that she needs 140 inches of the fabric to complete a project, how many yards must she purchase?

A. 4 B. 3 C. 2 D. 1