

SKILLS LIST and SAMPLE ITEMS FOR

PRACTICE TEST, MATHEMATICS, GRADE 9

(Test items developed for skills measured in TERRA NOVA [CTBS]*)

Skills

- | | | | |
|-----|------------------------------------------------------|-----|---------------------------------|
| 1.0 | Understanding Numbers | 6.0 | Pre-Algebra |
| 1.1 | Ordering Numbers | 6.1 | Patterns |
| 1.2 | Equivalent Forms | 7.0 | Problem Solving |
| 2.0 | Computation/Estimation | 7.1 | Identify Necessary Information |
| 2.1 | Computation Procedures | 7.2 | Reasoning |
| 2.2 | Computation in Context | 7.3 | Non-Routine/Real-World Problems |
| 2.3 | Estimation | | |
| 3.0 | Measurement | 8.0 | Thinking Skills |
| 3.1 | Understand Types of Measurement | 8.1 | Generate Ideas |
| 3.2 | Solve Problems Using Measurement | 8.2 | Organize Information |
| 4.0 | Geometry | 8.3 | Gather Information |
| 4.1 | Spatial Sense | 8.4 | Analyze Information |
| 4.2 | Classify Shapes | 8.5 | Synthesize Elements |
| 5.0 | Analyze Data | | |
| 5.1 | Analyze/Interpret/Evaluate Data | | |
| 5.2 | Apply Concepts and Processes to Real Life Situations | | |
| 5.3 | Make Inferences | | |
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Number of questions: 46

Number of pages: 13

Approximate testing time: 70 minutes

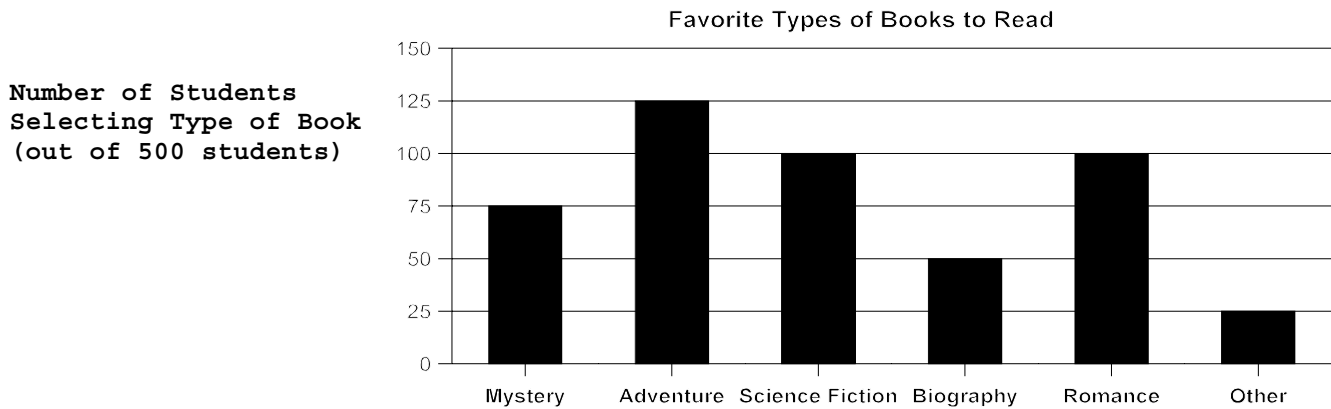
CTBS and CAT are parallel tests

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Terra Nova PRACTICE TEST IN MATHEMATICS - GRADE 9

Directions: Use the graph to answer questions 1, 2, and 3.



- Which list shows the popularity of books in order from least to greatest?
 - Other, Biography, Mystery
 - Adventure, Science Fiction, Biography
 - Science Fiction, Biography, Other
 - none of these

- Which types of books added together equal exactly half of the students polled?
 - Mystery, Adventure, and Biography
 - Romance and Adventure
 - Science Fiction, Romance, and Mystery
 - Biography, Science Fiction, and Other

- By analyzing the graph, which of the following statements is most likely to be true?
 - The students polled were all girls.
 - The students polled were all boys.
 - There were more boys than girls polled.
 - Some students prefer watching movies to reading books.
