

*SKILLS LIST and SAMPLE ITEMS FOR*

**PRACTICE TEST, MATHEMATICS, GRADE 8**

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

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*Skills*

- |     |                                  |     |  |
|-----|----------------------------------|-----|--|
| 1.0 | Understanding Numbers            | 6.0 | Analyze Data   |
| 1.1 | Ordering Numbers                 | 6.1 | Analyze/Interpret/Evaluate Data                      |
| 1.2 | Equivalent Forms                 | 6.2 | Apply Concepts and Processes to Real Life Situations |
| 2.0 | Computation/Estimation           | 7.0 | Pre-Algebra  |
| 2.1 | Computation Procedures           | 7.1 | Patterns   |
| 2.2 | Computation in Context           | 8.0 | Thinking Skills                                      |
| 2.3 | Estimation                       | 8.1 | Generate Ideas                                       |
| 3.0 | Problem Solving                  | 8.2 | Organize Information                                 |
| 3.1 | Relationships of Operations      | 8.3 | Gather Information                                   |
| 3.2 | Relate Math to Problem           | 8.4 | Analyze Information                                  |
| 4.0 | Measurement                      |     |  |
| 4.1 | Understand Types of Measurement  |     |  |
| 4.2 | Solve Problems Using Measurement |     |  |
| 5.0 | Geometry                         |     |  |
| 5.1 | Spatial Sense                    |     |  |
| 5.2 | Classify Shapes                  |     |  |

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Number of questions: 56  
Number of pages: 15  
Approximate testing time: 70 minutes  
CTBS and CAT are parallel tests

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(over)

## Terra Nova PRACTICE TEST IN MATHEMATICS - GRADE 8

1. In a list of numbers listed from least to greatest, which one of these numbers would be first?

A. 1                      B. 0                      C. -6                      D. -1

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2. Which of the following numbers is not a prime factor of 30?

A. 2                      B. 15                      C. 3                      D. 5

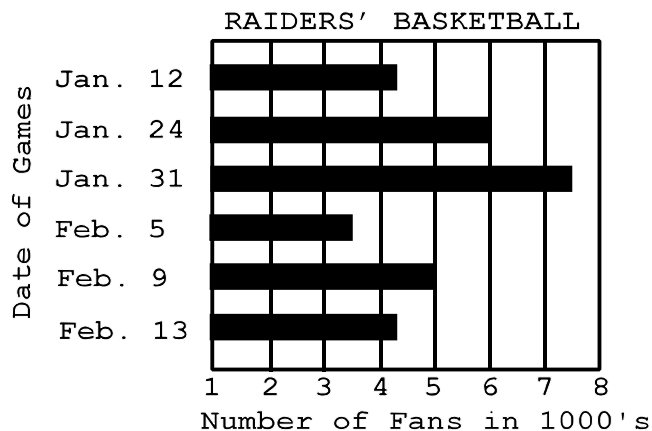
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3. Jan has 3 quarters, no dimes, and some nickels. Altogether she has \$0.95. How many nickels does she have?

A. 4                      B. 20                      C. 2                      D. 6

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*Directions:* The graph below shows the number of fans who attended each of 6 basketball games played by the Red Raiders. Use the graph to answer Number 4.



4. If the gym has 8000 seats, how many more people could have seats on February 9?

A. 3800                      B. 3000                      C. 6000                      D. 10,000

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