

SKILLS LIST and SAMPLE ITEMS FOR

PRACTICE TEST, MATHEMATICS, GRADE 7

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

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 Problem Solving |
| 2.3 Estimation | 8.1 Identify Necessary Information |
| 3.0 Problem Solving | 8.2 Reasoning |
| 3.1 Relationships of Operations | 8.3 Non-Routine/Real-World Problems |
| 4.0 Measurement | 9.0 Thinking Skills |
| 4.1 Understand Types of Measurement | 9.1 Generate Ideas |
| 4.2 Solve Problems Using Measurement | 9.2 Organize Information |
| 5.0 Geometry | 9.3 Gather Information |
| 5.1 Spatial Sense | 9.4 Analyze Information |
| 5.2 Classify Shapes | 9.5 Evaluate Outcomes |
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Number of questions: 57

Number of pages: 15

Approximate testing time: 70 minutes

CTBS and CAT are parallel tests

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Terra Nova PRACTICE TEST IN MATHEMATICS - GRADE 7

Directions: Read each problem and choose the answer. If the correct answer is not here, mark "NH".

1. What would the next number in this number pattern be?

6,12,8,16,12,24,_____

- A. 20
B. 18
C. 48
D. NH
-

2. Sally had seven apples. Her grandmother gave her some apples. Then Tim gave her five apples. She then gave four apples away. Sally now has 11 apples. How many did her grandmother give her?

- A. 7
B. 11
C. 4
D. 3
-

3. A bag contains 3 blue marbles, 2 red marbles, and 1 each of green, black, and brown. If you were to pick one marble out of the bag, what is the probability of choosing a red marble?

- A. $\frac{3}{8}$
B. $\frac{2}{8}$
C. $\frac{1}{8}$
D. NH
-

4. In which of the following is the second figure a reflection of the first figure?



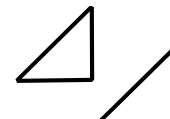
A.



B.



C.



D.

5. Tom bought a piece of fabric with dimensions 24 inches wide and 36 inches long. The pattern he is using requires a piece of fabric 18 inches wide and 30 inches long. How much of the length and width will he have to cut off?

- A. 6 inches from the length and 6 inches from the width
B. 18 inches from the length and 12 inches from the width
C. 4 inches from the length and 5 inches from the width
D. 8 inches from the length and 8 inches from the width