

*SKILLS LIST and SAMPLE TEST ITEMS*

*FOR*

**PRACTICE TEST FOR MATHEMATICS, GRADE 4**

*(Test items developed for skills measured in TCAP)*

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*Skills*

- |     |   |     |                                       |
|-----|---|-----|---------------------------------------|
| 1.0 | Number Sense/Theory                     | 4.0 | Real World Problems                   |
| 1.1 | Whole Numbers                           | 4.1 | One-Step Problems                     |
| 1.2 | Hundred-Thousands to<br>Hundredths      | 4.2 | Measurements                          |
| 1.3 | Fractions                               | 4.3 | Elapsed Time                          |
| 1.4 | Estimation                              | 5.0 | Data Analysis/Probability             |
| 1.5 | Improper Fractions/Mixed<br>Numbers     | 5.1 | Data                                  |
| 2.0 | Computation                             | 5.2 | Probability                           |
| 2.1 | One-Step Problems                       | 5.3 | Median of Data Set                    |
| 2.2 | Multiply                                | 6.0 | Measurement                           |
| 2.3 | Add and Subtract Decimals/<br>Fractions | 6.1 | Temperature/Time                      |
| 3.0 | Algebra                                 | 6.2 | Perimeter/Length/Area                 |
| 3.1 | Open Sentences                          | 6.3 | Reasonableness of Answer              |
| 3.2 | Patterns                                | 6.4 | Appropriate Units of Measure          |
| 3.3 | Function Rules                          | 7.0 | Geometry                              |
| 3.4 | Coordinate Graph                        | 7.1 | Points/Lines/Rays/Symmetry            |
|     |   | 7.2 | Two- and Three-Dimensional<br>Figures |
|     |   | 7.3 | Congruency                            |
|     |   | 7.4 | Transformations                       |

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Number of questions: 64

Number of pages: 15

Approximate testing time: 80 minutes

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(OVER)

**TCAP PRACTICE TEST IN MATHEMATICS - GRADE 4  
FORM A**

**PART 1**

Read each problem carefully and choose the correct answer. Stop when you come to the word STOP.

1. Look at the pictures below. Use them to work the problem below.



$$\frac{5}{6} + \frac{2}{6} =$$

- A.  $\frac{3}{6}$  or  $\frac{1}{2}$   
B.  $\frac{7}{6}$  or  $1\frac{1}{6}$   
C.  $\frac{3}{12}$  or  $\frac{1}{4}$   
D.  $\frac{7}{12}$
2. If Jessica reached into the box and pulled out two balls without looking, what are all the possible combinations she might have?

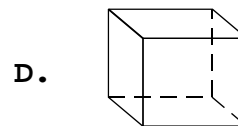
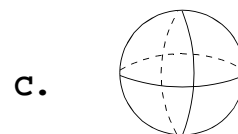
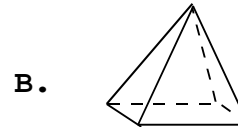
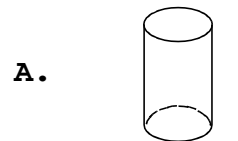


- A. two black balls, two black balls  
B. two white balls  
C. two black balls, one black and one white ball  
D. two black balls

3. Which equation below is true?

- A.  $8395 > 5893$   
B.  $6483 > 9387$   
C.  $9387 < 6483$   
D.  $5893 > 8395$

4. Look at the shapes below. Which of the shapes is made up of a square and four triangles?



5. Find the number that has 6 thousands, 8 hundreds, 3 tens, and 9 ones.

- A. 680,039  
B. 68,309  
C. 6,893  
D. 6,839