

SKILLS LIST and SAMPLE TEST ITEMS

FOR

PRACTICE TEST FOR MATHEMATICS, GRADE 6

(Test items developed for skills measured in TCAP)

Skills

- | | | | |
|-----|----------------------------|-----|------------------------------|
| 1.0 | Number Sense/Theory | 4.0 | Data Analysis/Probability |
| 1.1 | Numerical Properties | 4.1 | Data |
| 1.2 | Place Value | 4.2 | Probability |
| 1.3 | Estimation | 4.3 | Mean/Mode/Median |
| 1.4 | Order of Operations | 5.0 | Measurement |
| 2.0 | Algebra | 5.1 | Ratios/Proportions |
| 2.1 | Patterns | 5.2 | Estimate Perimeter/Area |
| 2.2 | Predict | 5.3 | Distance Formula |
| 2.3 | Function Rules | 5.4 | Appropriate Units of Measure |
| 2.4 | Graphs | 5.5 | Convert Measurements |
| 2.5 | Variables | 6.0 | Geometry |
| 3.0 | Real World Problems | 6.1 | Lines |
| 3.1 | One- and Two-Step Problems | 6.2 | Two-Dimensional Figures |
| 3.2 | Elapsed Time | 6.3 | Transformations |
| 3.3 | Map Scales | 6.4 | Classify Angles |
| 3.4 | Perimeter/Area | 6.5 | Classify Quadrilaterals |
| 3.5 | Extend Rate Charts | | |
| 3.6 | Interpret Graphs | | |

Number of questions: 64

Number of pages: 12

Approximate testing time: 80 minutes

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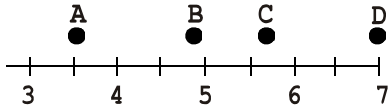
(OVER)

TCAP PRACTICE TEST IN MATHEMATICS - GRADE 6
FORM A

PART 1

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

1. Which letter represents $\frac{28}{5}$ in simplest form?



- A. A
B. B
C. C
D. D
2. What place does the 6 occupy in the following number?

26,349,887

- A. ten millions
B. millions
C. hundred millions
D. thousands
3. The Alpine High defensive line is made up of 5 seniors with the given weights of 175, 180, 205, 195, and 189. What is the best estimate of the total weight?

- A. 1050
B. 1000
C. 900
D. 850

4. Which of the following is equal to 5?

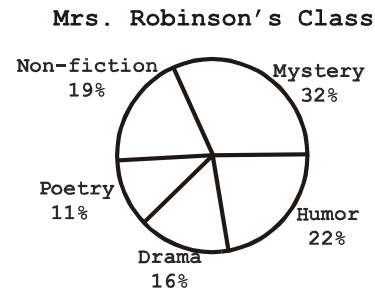
- A. $(6-9) \div (8-5)$
B. $(6+9) \div (8-5)$
C. $(6+9) + (8-5)$
D. $(6+9) \div (8+5)$

5. Which exponent will complete the pattern?

4, 9, 16, 25, ____

- A. 4^3
B. 6^2
C. 8^4
D. 11^2

6. The graph below shows the books read by Mrs. Robinson's class during the spring semester. Which type of book was read half as much as Humor?



- A. Mystery
B. Drama
C. Poetry
D. Non-fiction