

SKILLS LIST and SAMPLE TEST ITEMS

FOR

PRACTICE TEST FOR MATHEMATICS, GRADE 6

(Test items developed for skills measured in WESTEST)

Skills

- | | |
|---|-------------------------------------|
| 1.0 Numbers and Operations | 5.0 Data Analysis and Probability |
| 1.1 Number Sense/Properties | 5.1 Data Analysis |
| 1.2 Problem Solving | 5.2 Probability |
| 1.3 Mixed Numerals/Percents | 6.0 Thinking Skills - Comprehension |
| 2.0 Algebra | 6.1 Numbers and Operations |
| 2.1 Order of Operations | 6.2 Algebra |
| 2.2 Patterns | 6.3 Geometry |
| 2.3 Cross Multiplications/Like
Terms/Monomials | 6.4 Measurement |
| 2.4 Points on a Coordinate Grid | 6.5 Data Analysis and Probability |
| 3.0 Geometry | 7.0 Thinking Skills - Analysis |
| 3.1 Geometrical Figures | 7.1 Geometry |
| 3.2 Lines/Angles | 7.2 Measurement |
| 4.0 Measurement | 7.3 Data Analysis and Probability |
| 4.1 Calculate/Convert Units of
Measurement | |
| 4.2 Scale Drawings | |

Number of Questions: 52
Number of Pages: 10

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(OVER)

**WESTEST PRACTICE TEST IN MATH - GRADE 6
FORM A**

Read each problem carefully and choose the correct answer. Fill in the circle by your answer on the test.

1. Susan needs $3\frac{5}{8}$ cups of flour for her recipe. She also needs $1\frac{1}{2}$ cups of sugar. How much more flour than sugar does she need?

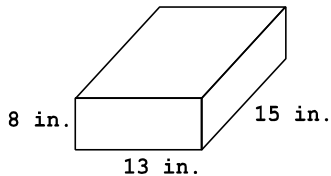
- (A) $\frac{1}{8}$ cup
 (B) 2 cups
 (C) $2\frac{1}{8}$ cups
 (D) $4\frac{1}{4}$ cups

2. Which exponent will complete the pattern?

4, 9, 16, 25, ____

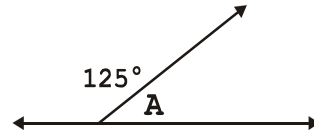
- (A) 4^3
 (B) 6^2
 (C) 8^4
 (D) 11^2

3. Lynn needed a box for her science fair project. This is the box she found. What is the volume of this box in cubic inches?



- (A) 36
 (B) 104
 (C) 120
 (D) 1560

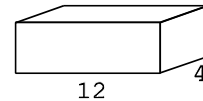
4. Find the measure of angle A.



- (A) 65 degrees
 (B) 55 degrees
 (C) 45 degrees
 (D) 35 degrees

5. Use the table below to find the height of the rectangular prism.

height	h
length	12 cm
width	4 cm
volume	168 cm^3



- (A) $h = 2.6 \text{ cm}$
 (B) $h = 3.5 \text{ cm}$
 (C) $h = 3.8 \text{ cm}$
 (D) $h = 4 \text{ cm}$

6. Which of the following shapes has 2 pairs of parallel sides?

- (A) square
 (B) triangle
 (C) trapezoid
 (D) circle