

SKILLS LIST and SAMPLE TEST ITEMS

FOR

PRACTICE TEST FOR MATHEMATICS, GRADE 8

(Test items developed for skills measured in WESTEST)

Skills

- | | |
|---------------------------------------|-------------------------------------|
| 1.0 Numbers and Operations | 5.0 Data Analysis and Probability |
| 1.1 Numerical Operations | 5.1 Probability |
| 1.2 Problem Solving | 5.2 Data Analysis |
| 2.0 Algebra | 6.0 Thinking Skills - Comprehension |
| 2.1 Order of Operations | 6.1 Algebra |
| 2.2 Equations/Patterns | 6.2 Geometry |
| 2.3 Linear Functions | 6.3 Measurement |
| 3.0 Geometry | 6.4 Data Analysis/Probability |
| 3.1 Geometrical Figures | 7.0 Thinking Skills - Analysis |
| 3.2 Figures | 7.1 Algebra |
| 4.0 Measurement | 7.2 Geometry |
| 4.1 Calculate Units of
Measurement | 7.3 Measurement |
| 4.2 Convert Units of Measurement | 7.4 Data Analysis/Probability |

Number of questions: 52

Number of pages: 13

(c) EPES TESTING, INC.

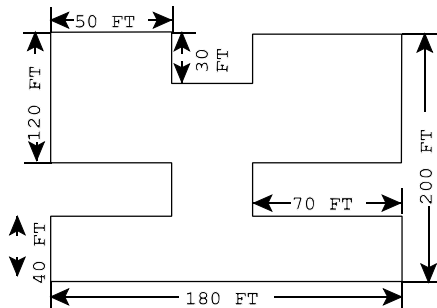
(OVER)

WESTEST PRACTICE TEST IN MATHEMATICS - GRADE 8
FORM A

PART 1

DIRECTIONS: Read each problem carefully and choose the correct answer. Fill in the circle by your answer on the test. You may use a calculator on this section. Stop when you come to the word STOP.

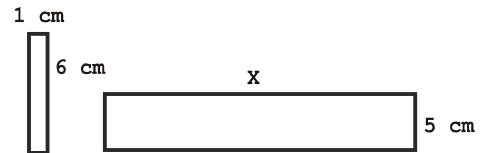
1. The floor plan for Mr. Carter's warehouse is shown below.



How many square feet of lumber are needed to cover the floor?

- (A) 1,060 sq. feet
 (B) 26,000 sq. feet
 (C) 29,000 sq. feet
 (D) 29,400 sq. feet
2. Dave is expecting his birthday gift to arrive in the mail sometime this week. If the package can arrive any day at random, what is the probability that it will arrive on Wednesday? (Remember: Mail doesn't run on Sunday.)
- (A) $\frac{1}{8}$
 (B) $\frac{1}{5}$
 (C) $\frac{1}{7}$
 (D) $\frac{1}{6}$

3. The two rectangles below are similar. How much larger is the perimeter of the 2nd rectangle than the first?



- (A) 70 cm
 (B) 65 cm
 (C) 56 cm
 (D) 50 cm