

SKILLS LIST and SAMPLE TEST ITEMS

FOR

PRACTICE TEST FOR MATHEMATICS, GRADE 7

(Test items developed for skills measured in OCCT)

Skills

- | | |
|------------------------------|--------------------------------------|
| 1.0 Algebra | 4.0 Measurement |
| 1.1 Properties | 4.1 Area and Perimeter |
| 1.2 Linear Equation | 4.2 Customary/Metric Measurements |
| 2.0 Number Sense | 5.0 Data Analysis and Statistics |
| 2.1 Integers | 5.1 Outcomes/Probability |
| 2.2 Ratio/Proportion/Percent | 5.2 Probability with Or, And, or Not |
| 2.3 Exponents | 5.3 Combinations/Permutations |
| 3.0 Geometry | |
| 3.1 Geometric Figures | |
| 3.2 Angles | |
| 3.3 Coordinate Systems | |

Number of questions: 45

Number of pages: 10

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(OVER)

OCCT PRACTICE TEST IN MATHEMATICS - GRADE 7 FORM A

Directions: Read each problem and choose the correct answer.

1. Which of the following is an example of the identity property of multiplication?

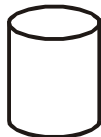
- A. $r \times 1 = r$
- B. $r \times 0 = 0$
- C. $5 \times (2 \times 8) = (5 \times 2) \times 8$
- D. $5 \times (2 \times 8) = (8 \times 2) \times 5$

2. Find the sum.

$$-24 + 35$$

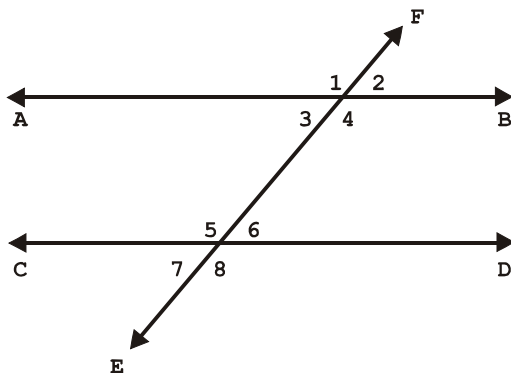
- A. -11
- B. 11
- C. -59
- D. 59

3. If the cylinder below is sliced from top to bottom, what will the inside view look like?



- A. rectangle
- B. triangle
- C. circle
- D. cone

4. In the figure below, angle 1 has a measure of 115 degrees. If line AB is parallel to line CD, what is the measure of angle 7?

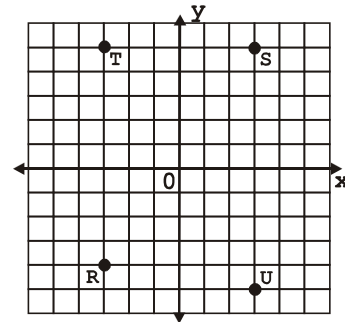


- A. 115 degrees
- B. 65 degrees
- C. 60 degrees
- D. 55 degrees

5. Mrs. Smith had 120 students in her classes last year. This year she has 10% more. How many students does she have this year?

- A. 108
- B. 130
- C. 132
- D. 142

6. Which of the following points is located at $(-3, 5)$?



- A. R
- B. S
- C. T
- D. U

7. A square is a 4-sided figure with four right angles and four congruent sides. Which two types of quadrilaterals does this describe?

- A. rectangles and trapezoids
- B. rectangles and rhombuses
- C. rhombuses and trapezoids
- D. parallelograms and trapezoids