

*SKILLS LIST and SAMPLE ITEMS*

*FOR*

**PRACTICE TEST FOR MATHEMATICS, GRADE 5**

(Test items developed for skills measured in OCCT)

---

*Skills*

- |                                |                                   |
|--------------------------------|-----------------------------------|
| 1.0 Patterns                   | 4.0 Geometry                      |
| 1.1 Algebra Patterns           | 4.1 Geometric Figure Properties   |
| 1.2 Problem Solving            | 4.2 Perimeter/Area                |
| 2.0 Number Sense               | 4.3 Convert Measurements          |
| 2.1 Fractions/Decimals/Percent | 5.0 Data Analysis and Probability |
| 2.2 Number Theory              | 5.1 Data Analysis                 |
| 3.0 Operations and Computation | 5.2 Probability                   |
| 3.1 Estimations                |                                   |
| 3.2 Whole Numbers/Decimals     |                                   |
- 

Number of questions: 45

Number of pages: 10

(c) EPES TESTING, INC.

(OVER)

## OCCT PRACTICE TEST IN MATH - GRADE 5

1. The numbers in column X have been changed to the numbers in column Y by following a pattern. According to that pattern, which number is missing in column Y?

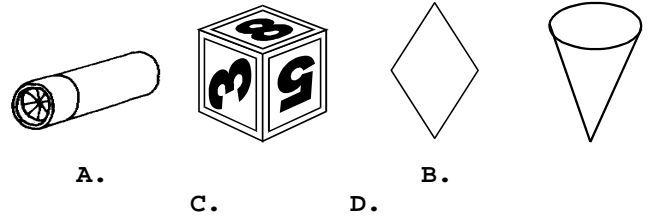
X	Y
3	6
7	14
8	16
12	?

- A. 42  
B. 36  
C. 24  
D. 18
2. Which decimal is equivalent to  $\frac{1}{8}$ ?
- A. 0.125  
B. 0.0125  
C. 0.012  
D. 0.00125
3. Which is a composite even number?
- A. 12  
B. 15  
C. 17  
D. 38
4. Which of these two equations are equal?
- A.  $(2 + 6) \times 2 = (6 + 2) \times 1$   
B.  $(7 + 3) \times 4 = (5 \times 8) + 0$   
C.  $(7 + 7) \times 2 = (2 \times 7) + 7$   
D.  $(6 + 4) \times 4 = 6(4 + 4)$
5. Choose the best estimate.

$$4.6 \times 0.7 = \underline{\quad}$$

- A. 6  
B. 5  
C. 4  
D. 3

6. Look at the four shapes. Which one is not a three dimensional shape?

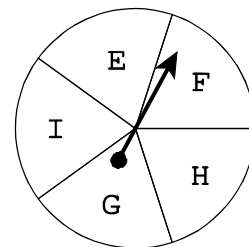


7. This chart shows how many points each person earned in a game of cards.

Rita	Adell	Burl	Mary
25	15	40	0
45	135	0	55
15	0	25	135
0	5	110	190
145	180	75	0

If the pattern with the least points won the game, who won the game?

- A. Rita  
B. Adell  
C. Burl  
D. Mary
8. What is the probability of spinning an H or an I?



- A.  $\frac{2}{5}$   
B.  $\frac{1}{5}$   
C.  $\frac{1}{2}$   
D.  $\frac{3}{5}$