



# Test Prep

## COMPASS-Test

**Computer-adaptive Placement, Assessment, and  
Support System: English, Math, Writing**

## QUESTION & ANSWERS

**Sections**

1. Mathematics
2. Reading
3. Writing

## Exam A

### QUESTION 1

What will be the eighth element of the series beginning 1,  $-\frac{1}{2}$ , 2,  $-\frac{1}{4}$ , 4,  $-\frac{1}{8}$ ?

- A.  $\frac{1}{4}$
- B. 6
- C.  $-\frac{1}{16}$
- D. 16
- E. 8

**Correct Answer:** C

**Section:** Mathematics

**Explanation**

**Explanation/Reference:**

### QUESTION 2

John works for four hours at \$15/hour. He then buys two CDs at \$13.25 each. How much money does he have left?

- A. \$33.50
- B. \$1.75
- C. \$26.50
- D. \$15
- E. \$30

**Correct Answer:** A

**Section:** Mathematics

**Explanation**

**Explanation/Reference:**

### QUESTION 3

A cell phone company offers two plans. Plan A customers pay \$3 for every hour of phone usage. Plan B customers pay a flat fee of \$35 per month. If Melanie signs up for plan B and uses her phone for 16 hours the first month, how much does she save compared to if she had selected plan A?

- A. \$8
- B. \$48
- C. \$35
- D. \$13
- E. \$17

**Correct Answer:** D

**Section:** Mathematics

**Explanation**

**Explanation/Reference:**

### QUESTION 4

Which expression is equivalent to  $4 \times \sqrt[3]{81}$  ?

- A.  $\frac{4}{3} \times 9^3$
- B.  $4 \times 9^{1/3}$
- C.  $\frac{4}{3} \times 81$
- D.  $\frac{4}{3} \times 9^{1/2}$
- E.  $4 \times 9^{2/3}$

**Correct Answer:** E

**Section:** Mathematics

**Explanation**

**Explanation/Reference:**

**QUESTION 5**

Yossi gets a 20% discount at the bicycle store because he works there. How much will he have to pay for gear that normally sells for \$150?

- A. \$140
- B. \$130
- C. \$120
- D. \$110
- E. \$100

**Correct Answer:** C

**Section:** Mathematics

**Explanation**

**Explanation/Reference:**

**QUESTION 6**

Martine gets an auto service bill charging her \$350 for labor and \$150 for parts. What percentage of the total bill is for parts?

- A. 30%
- B. 15%
- C. 150%
- D. 75%
- E. 45%

**Correct Answer:** A

**Section:** Mathematics

**Explanation**

**Explanation/Reference:**

**QUESTION 7**

Bartholomew buys 12 gallons of gasoline for his car at a price of \$2.40 per gallon. He hands the attendant two \$20 bills. How much change should he receive?

- A. \$16
- B. \$12.20