



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