

Elementary Education (Grades K–6)

Subtest 2 Sample Items

1. A book store is having a sale. The table below shows the discount on selected items in the store.

| Item | Price | Discount |
|---------------|-------|----------|
| Book | 7.55 | 25% |
| CD | 15.29 | 10% |
| Calendar | 11.99 | 25% |
| Greeting card | 2.75 | 33% |

A customer wants to purchase a book, 2 CDs, a calendar, and 3 greeting cards. Which of the following expressions is the best estimate of the total cost of the purchase?

- A. $\frac{1}{4}(8) + \frac{1}{10}(2)(16) + \frac{1}{4}(12) + \frac{1}{3}(3)(3)$
- B. $\frac{1}{4}(7) + \frac{1}{10}(2)(15) + \frac{1}{4}(12) + \frac{1}{3}(3)(2)$
- C. $\frac{3}{4}(8) + \frac{9}{10}(2)(15) + \frac{3}{4}(12) + \frac{2}{3}(3)(3)$
- D. $\frac{3}{4}(7) + \frac{9}{10}(2)(15) + \frac{3}{4}(12) + \frac{2}{3}(3)(2)$

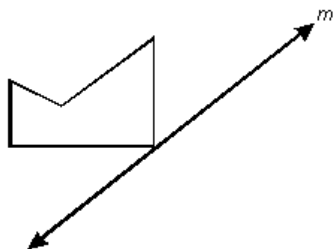
2.



If the pattern above continues, how many dots will be in the figure at position 11?

- A. 30
- B. 36
- C. 42
- D. 48

3.



Which of the following is a reflection over line *m* of the figure above?

- A.
- B.
- C.



4. In the sequence below, the n th term, s_n , can be represented by which of the following expressions?

2, 7, 22, 67, ...

- A. $3s_{n-1} + 1$
- B. $4s_{n-1} - 1$
- C. $(s_{n-1})^2 + 3(n - 1)$
- D. $(s_{n-1})^3 - s_n$

5. An individual can best increase the amount of fiber in his or her diet by:

- A. preparing white rice for dinner instead of pasta.
- B. replacing frozen vegetables with fresh vegetables for cooking.
- C. eating greater quantities of fish and less red meat.
- D. substituting a piece of fruit for a glass of fruit juice at breakfast.

Answer Key

| Item Number | Correct Response | Subarea | Objective |
|-------------|------------------|----------------------------------|-----------|
| 1 | C | I. Mathematics | 0010 |
| 2 | C | I. Mathematics | 0011 |
| 3 | A | I. Mathematics | 0012 |
| 4 | A | I. Mathematics | 0014 |
| 5 | D | II. Health/Fitness and Fine Arts | 0016 |

[↑ Top of Page](#)

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