

Test Yourself Page 1

Circle the correct answer.

1. One movie ticket costs \$5.50. Which table shows the correct pattern?

A.

Number of tickets	Cost
1	\$5.50
2	\$10.00
3	\$15.50
4	\$20.00

C.

Number of tickets	Cost
1	\$5.50
2	\$6.50
3	\$7.50
4	\$8.50

B.

Number of tickets	Cost
1	\$5.50
2	\$11.00
3	\$16.50
4	\$22.00

D.

Number of tickets	Cost
1	\$0
2	\$5.50
3	\$11.50
4	\$16.50

2. Which pattern rule best represents the pattern in Question 1?

- A. Add \$5.50 to the term number. C. Multiply \$5.50 by the term number.
 B. Multiply \$5.50 by 2. D. Add 1 to \$5.50.

3. What is the cost of six movie tickets in Question 1?

- A. \$27.50 C. \$33.00
 B. \$30.00 D. \$33.50

4. Which pattern rule shows the total number of candies in any number of packages?

Number of packages	Total number of candies
1	3
2	6
3	9
4	12
5	15

- A. $2 \times n$
 B. $3 \times n$
 C. $2 + n$
 D. $3 + n$

5. What is the common difference in the pattern 18, 21, 24, 27, ...?

- A. 2 C. 4
 B. 3 D. 5

Test Yourself Page 2

6. What is the first term and the common difference in the pattern \$1.50, \$3.00, \$4.50, \$6.00, ...?
- A. \$1.50, \$1.50
B. \$1.50, \$3.00
C. \$3.00, \$1.50
D. \$1.50, \$2.00
7. What is the 10th term in the pattern in Question 6?
- A. \$12.00
B. \$13.00
C. \$14.00
D. \$15.00
8. Which expressions are *not* equal?
- A. $2 + 8$ and $6 + 4$
B. $9 - 5$ and 2×2
C. 3×4 and $8 + 2$
D. $7 + 1$ and $10 - 2$
9. Tilo has two red baseball caps and five green baseball caps. Michael has the same total number of baseball caps as Tilo. Michael has three green baseball caps. Which equation would you use to solve this problem?
- A. $3 + 5 = 2 + c$
B. $2 + 3 = 5 + c$
C. $2 + c = 5 + 3$
D. $2 + 5 = c + 3$
10. How many red baseball caps does Michael have in Question 9?
- A. 2
B. 3
C. 4
D. 5
11. A closet has three times as many hats as sweaters. The total number of hats and sweaters is 12. How many of each item is there?
- A. 8 hats, 4 sweaters
B. 9 hats, 3 sweaters
C. 7 hats, 5 sweaters
D. 6 hats, 6 sweaters