

### 3.OA.9.-Test1B Identify arithmetic patterns

#### Multiple Choice

Identify the choice that best completes the statement or answers the question.

1. What is the missing number in the following pattern?

16, 26, \_\_, 46, 56, 66, \_\_, 86

- a. 30, 40  
b. 27, 67  
c. 36, 76  
d. 28, 68

2. What number completes the table?

| 2 | 3 | 4 | 5 | 6 |

| 12 | 18 | 24 | | 36

- a. 35  
b. 26  
c. 32  
d. 30

3. What number completes the table?

| 2 | 3 | 4 | 5 | 6 |

| 18 | 27 | | 45 | 54

- a. 36  
b. 32  
c. 34  
d. 33

4. What set of numbers is in order from least to greatest?

- a. 47, 347, 437, 743  
b. 437, 347, 743, 47  
c. 743, 437, 347, 47  
d. 47, 437, 347, 743

5. Which set of numbers is in order from greatest to least?

- a. 247, 427, 572, 642  
b. 642, 572, 427, 247  
c. 572, 642, 247, 427  
d. 427, 572, 642, 247

6. Which set of numbers is in order from greatest to least?

- a. 247, 427, 572, 642  
b. 642, 572, 427, 247  
c. 572, 642, 247, 427  
d. 427, 572, 642, 247

7. What are the missing numbers in the following pattern?

9, 12, \_\_, 18, 21, \_\_, 27

- a. 7, 11  
b. 8, 13  
c. 8, 14  
d. 9, 13

8. What is the missing value in the table?

| 4 | 7 | 10 | 13

| 11 | 17 | | 29

a. 24

c. 25

b. 23

d. 15

### Multiple Response

*Identify one or more choices that best complete the statement or answer the question.*

9. What numbers are missing from the following pattern?

\_\_\_, 47, 42, \_\_\_, 32, 27

36

50

a.

c.

52

37

b.

d.

10. What numbers are missing from the following pattern?

72, 68, \_\_\_, 60, 56, \_\_\_, 48

52

49

a.

c.

64

64

b.

d.

Answer 1: C

Answer 2: D

Answer 3: A

Answer 4: A

Answer 5: B

Answer 6: B

Answer 7: C

Answer 8: B

Answer 9: B, D

Answer 10: A, B