



## Determining Pattern Rule

Name: \_\_\_\_\_

**Determine which choice best describes the rule the pattern is using.**

- 1) Which choice uses the same subtraction rule as the pattern shown?

$$14, 12, 10, 8, 6, 4$$

- A. 47, 38, 29, 20, 11, 2
- B. 42, 34, 26, 18, 10, 2
- C. 17, 15, 13, 11, 9, 7
- D. 31, 26, 21, 16, 11, 6

- 3) Which choice uses the same subtraction rule as the pattern shown?

$$12, 10, 8, 6, 4, 2$$

- A. 46, 37, 28, 19, 10, 1
- B. 18, 16, 14, 12, 10, 8
- C. 26, 21, 16, 11, 6, 1
- D. 37, 30, 23, 16, 9, 2

- 5) Which choice uses the same addition rule as the pattern shown?

$$6, 14, 22, 30, 38, 46$$

- A. 10, 18, 26, 34, 42, 50
- B. 8, 11, 14, 17, 20, 23
- C. 7, 11, 15, 19, 23, 27
- D. 7, 13, 19, 25, 31, 37

- 7) Which choice uses the same addition rule as the pattern shown?

$$6, 9, 12, 15, 18, 21$$

- A. 10, 13, 16, 19, 22, 25
- B. 8, 15, 22, 29, 36, 43
- C. 1, 10, 19, 28, 37, 46
- D. 4, 8, 12, 16, 20, 24

- 9) Which choice uses the same subtraction rule as the pattern shown?

$$57, 47, 37, 27, 17, 7$$

- A. 56, 46, 36, 26, 16, 6
- B. 15, 13, 11, 9, 7, 5
- C. 32, 27, 22, 17, 12, 7
- D. 21, 18, 15, 12, 9, 6

- 2) Which choice uses the same subtraction rule as the pattern shown?

$$30, 26, 22, 18, 14, 10$$

- A. 36, 29, 22, 15, 8, 1
- B. 53, 44, 35, 26, 17, 8
- C. 25, 21, 17, 13, 9, 5
- D. 46, 38, 30, 22, 14, 6

- 4) Which choice uses the same subtraction rule as the pattern shown?

$$24, 20, 16, 12, 8, 4$$

- A. 21, 17, 13, 9, 5, 1
- B. 38, 31, 24, 17, 10, 3
- C. 48, 39, 30, 21, 12, 3
- D. 21, 18, 15, 12, 9, 6

- 6) Which choice uses the same addition rule as the pattern shown?

$$2, 7, 12, 17, 22, 27$$

- A. 10, 12, 14, 16, 18, 20
- B. 5, 8, 11, 14, 17, 20
- C. 5, 11, 17, 23, 29, 35
- D. 10, 15, 20, 25, 30, 35

- 8) Which choice uses the same subtraction rule as the pattern shown?

$$44, 37, 30, 23, 16, 9$$

- A. 18, 16, 14, 12, 10, 8
- B. 36, 30, 24, 18, 12, 6
- C. 51, 42, 33, 24, 15, 6
- D. 36, 29, 22, 15, 8, 1

- 10) Which choice uses the same addition rule as the pattern shown?

$$5, 15, 25, 35, 45, 55$$

- A. 2, 12, 22, 32, 42, 52
- B. 9, 13, 17, 21, 25, 29
- C. 9, 18, 27, 36, 45, 54
- D. 7, 12, 17, 22, 27, 32

**Answers**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

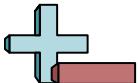
6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_



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## Answers

1. **C**

2. **C**

3. **B**

4. **A**

5. **A**

6. **D**

7. **A**

8. **D**

9. **A**

10. **A**