



Determining Pattern Rule

Name: _____

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

Answers

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

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

- A. $19, 17, 15, 13, 11, 9$
- B. $56, 46, 36, 26, 16, 6$
- C. $44, 36, 28, 20, 12, 4$
- D. $16, 13, 10, 7, 4, 1$

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

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

- A. $1, 3, 5, 7, 9, 11$
- B. $1, 10, 19, 28, 37, 46$
- C. $8, 13, 18, 23, 28, 33$
- D. $10, 18, 26, 34, 42, 50$

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

$1, 4, 7, 10, 13, 16$

- A. $8, 16, 24, 32, 40, 48$
- B. $7, 10, 13, 16, 19, 22$
- C. $1, 11, 21, 31, 41, 51$
- D. $10, 12, 14, 16, 18, 20$

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

$52, 43, 34, 25, 16, 7$

- A. $49, 41, 33, 25, 17, 9$
- B. $24, 20, 16, 12, 8, 4$
- C. $46, 37, 28, 19, 10, 1$
- D. $31, 25, 19, 13, 7, 1$

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

$1, 5, 9, 13, 17, 21$

- A. $8, 12, 16, 20, 24, 28$
- B. $8, 17, 26, 35, 44, 53$
- C. $10, 20, 30, 40, 50, 60$
- D. $1, 3, 5, 7, 9, 11$

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

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

- A. $49, 41, 33, 25, 17, 9$
- B. $51, 41, 31, 21, 11, 1$
- C. $55, 46, 37, 28, 19, 10$
- D. $33, 28, 23, 18, 13, 8$

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

$4, 13, 22, 31, 40, 49$

- A. $3, 13, 23, 33, 43, 53$
- B. $10, 19, 28, 37, 46, 55$
- C. $6, 8, 10, 12, 14, 16$
- D. $7, 12, 17, 22, 27, 32$

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

$53, 43, 33, 23, 13, 3$

- A. $40, 34, 28, 22, 16, 10$
- B. $57, 47, 37, 27, 17, 7$
- C. $48, 39, 30, 21, 12, 3$
- D. $27, 22, 17, 12, 7, 2$

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

$38, 32, 26, 20, 14, 8$

- A. $23, 20, 17, 14, 11, 8$
- B. $37, 31, 25, 19, 13, 7$
- C. $30, 25, 20, 15, 10, 5$
- D. $55, 46, 37, 28, 19, 10$

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

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

- A. $60, 50, 40, 30, 20, 10$
- B. $46, 37, 28, 19, 10, 1$
- C. $24, 20, 16, 12, 8, 4$
- D. $44, 36, 28, 20, 12, 4$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



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Name: **Answer Key**

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- C. $8, 13, 18, 23, 28, 33$
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$4, 13, 22, 31, 40, 49$

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Answers

1. **B**

2. **C**

3. **B**

4. **C**

5. **A**

6. **D**

7. **B**

8. **B**

9. **B**

10. **D**