



## Determining Pattern Rule

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

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

1) 6, 15, 24, 33, 42, 51

- A. Add 10
- B. Subtract 2
- C. Add 9
- D. Multiply 4

2) 9, 18, 36, 72, 144

- A. Add 2
- B. Subtract 7
- C. Multiply 2
- D. Multiply 4

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

3) 33, 28, 23, 18, 13, 8

- A. Add 6
- B. Subtract 10
- C. Multiply 6
- D. Subtract 5

4) 2, 7, 12, 17, 22

- A. Add 5
- B. Add 5
- C. Subtract 5
- D. Multiply 7

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

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

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

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

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

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

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

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

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

11. \_\_\_\_\_

12. \_\_\_\_\_

5) 2, 6, 18, 54, 162

- A. Add 2
- B. Subtract 3
- C. Multiply 3
- D. Multiply 5

6) 24, 12, 6, 3

- A. Divide 2
- B. Add 9
- C. Subtract 6
- D. Multiply 6

7) 32, 16, 8, 4, 2

- A. Divide 2
- B. Add 10
- C. Subtract 8
- D. Multiply 8

8) 41, 33, 25, 17, 9

- A. Add 3
- B. Subtract 4
- C. Subtract 8
- D. Multiply 9

9) 6, 12, 18, 24, 30, 36, 42

- A. Add 5
- B. Subtract 6
- C. Add 6
- D. Multiply 7

10) 7, 14, 28, 56, 112

- A. Add 8
- B. Subtract 5
- C. Multiply 6
- D. Multiply 2

11) 22, 19, 16, 13, 10, 7, 4, 1

- A. Add 8
- B. Subtract 3
- C. Subtract 5
- D. Multiply 7

12) 250, 50, 10, 2

- A. Add 9
- B. Subtract 9
- C. Divide 5
- D. Multiply 4



## Determining Pattern Rule

Name: **Answer Key****Determine which choice best describes the rule the pattern is using.****Answers**

1)  $6, 15, 24, 33, 42, 51$

- A. Add 10
- B. Subtract 2
- C. Add 9
- D. Multiply 4

2)  $9, 18, 36, 72, 144$

- A. Add 2
- B. Subtract 7
- C. Multiply 2
- D. Multiply 4

1. **C**

3)  $33, 28, 23, 18, 13, 8$

- A. Add 6
- B. Subtract 10
- C. Multiply 6
- D. Subtract 5

4)  $2, 7, 12, 17, 22$

- A. Add 5
- B. Add 5
- C. Subtract 5
- D. Multiply 7

4. **B**

5)  $2, 6, 18, 54, 162$

- A. Add 2
- B. Subtract 3
- C. Multiply 3
- D. Multiply 5

6)  $24, 12, 6, 3$

- A. Divide 2
- B. Add 9
- C. Subtract 6
- D. Multiply 6

7. **A**

7)  $32, 16, 8, 4, 2$

- A. Divide 2
- B. Add 10
- C. Subtract 8
- D. Multiply 8

8)  $41, 33, 25, 17, 9$

- A. Add 3
- B. Subtract 4
- C. Subtract 8
- D. Multiply 9

8. **C**

9)  $6, 12, 18, 24, 30, 36, 42$

- A. Add 5
- B. Subtract 6
- C. Add 6
- D. Multiply 7

10)  $7, 14, 28, 56, 112$

- A. Add 8
- B. Subtract 5
- C. Multiply 6
- D. Multiply 2

10. **D**

11)  $22, 19, 16, 13, 10, 7, 4, 1$

- A. Add 8
- B. Subtract 3
- C. Subtract 5
- D. Multiply 7

12)  $250, 50, 10, 2$

- A. Add 9
- B. Subtract 9
- C. Divide 5
- D. Multiply 4

11. **B**12. **C**