

**Determine which choice best describes the rule the pattern is using.****Answers****1)** 18 , 16 , 14 , 12 , 10 , 8 , 6 , 4

- A. Add 3
- B. Subtract 2
- C. Subtract 2
- D. Multiply 7

2) 162 , 54 , 18 , 6

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

3) 108 , 36 , 12 , 4

- A. Add 2
- B. Subtract 3
- C. Multiply 6
- D. Divide 3

4) 2304 , 576 , 144 , 36 , 9

- A. Add 3
- B. Divide 4
- C. Subtract 5
- D. Multiply 7

5) 1 , 5 , 9 , 13 , 17 , 21

- A. Add 3
- B. Subtract 2
- C. Add 4
- D. Multiply 2

6) 8 , 18 , 28 , 38 , 48 , 58

- A. Add 10
- B. Add 9
- C. Subtract 4
- D. Multiply 8

7) 1280 , 320 , 80 , 20 , 5

- A. Add 9
- B. Subtract 2
- C. Multiply 3
- D. Divide 4

8) 62 , 52 , 42 , 32 , 22 , 12 , 2

- A. Add 5
- B. Subtract 8
- C. Multiply 2
- D. Subtract 10

9) 5 , 15 , 45 , 135 , 405

- A. Multiply 3
- B. Add 10
- C. Subtract 2
- D. Multiply 10

10) 41 , 35 , 29 , 23 , 17 , 11 , 5

- A. Subtract 6
- B. Add 5
- C. Subtract 4
- D. Multiply 6

11) 10 , 15 , 20 , 25 , 30 , 35 , 40

- A. Add 9
- B. Add 5
- C. Subtract 2
- D. Multiply 6

12) 39 , 30 , 21 , 12 , 3

- A. Subtract 9
- B. Add 8
- C. Subtract 4
- D. Multiply 2

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

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

1) 18, 16, 14, 12, 10, 8, 6, 4

- A. Add 3
- B. Subtract 2
- C. Subtract 2
- D. Multiply 7

2) 162, 54, 18, 6

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

3) 108, 36, 12, 4

- A. Add 2
- B. Subtract 3
- C. Multiply 6
- D. Divide 3

4) 2304, 576, 144, 36, 9

- A. Add 3
- B. Divide 4
- C. Subtract 5
- D. Multiply 7

5) 1, 5, 9, 13, 17, 21

- A. Add 3
- B. Subtract 2
- C. Add 4
- D. Multiply 2

6) 8, 18, 28, 38, 48, 58

- A. Add 10
- B. Add 9
- C. Subtract 4
- D. Multiply 8

7) 1280, 320, 80, 20, 5

- A. Add 9
- B. Subtract 2
- C. Multiply 3
- D. Divide 4

8) 62, 52, 42, 32, 22, 12, 2

- A. Add 5
- B. Subtract 8
- C. Multiply 2
- D. Subtract 10

9) 5, 15, 45, 135, 405

- A. Multiply 3
- B. Add 10
- C. Subtract 2
- D. Multiply 10

10) 41, 35, 29, 23, 17, 11, 5

- A. Subtract 6
- B. Add 5
- C. Subtract 4
- D. Multiply 6

11) 10, 15, 20, 25, 30, 35, 40

- A. Add 9
- B. Add 5
- C. Subtract 2
- D. Multiply 6

12) 39, 30, 21, 12, 3

- A. Subtract 9
- B. Add 8
- C. Subtract 4
- D. Multiply 2

1. **C**2. **B**3. **D**4. **B**5. **C**6. **A**7. **D**8. **D**9. **A**10. **A**11. **B**12. **A**