



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

**Answers**

- 1) 2 , 12 , 22 , 32 , 42 , 52 , 62  
 A. Add 10  
 B. Add 7  
 C. Subtract 5  
 D. Multiply 8

- 2) 19 , 15 , 11 , 7 , 3  
 A. Add 8  
 B. Subtract 4  
 C. Subtract 4  
 D. Multiply 4

- 3) 47 , 40 , 33 , 26 , 19 , 12 , 5  
 A. Subtract 7  
 B. Add 3  
 C. Subtract 3  
 D. Multiply 10

- 4) 51 , 44 , 37 , 30 , 23 , 16 , 9  
 A. Add 10  
 B. Subtract 3  
 C. Multiply 6  
 D. Subtract 7

- 5) 24 , 20 , 16 , 12 , 8  
 A. Subtract 4  
 B. Add 5  
 C. Subtract 9  
 D. Multiply 6

- 6) 2 , 11 , 20 , 29 , 38  
 A. Add 9  
 B. Add 8  
 C. Subtract 7  
 D. Multiply 3

- 7) 162 , 54 , 18 , 6  
 A. Add 8  
 B. Subtract 2  
 C. Divide 3  
 D. Multiply 4

- 8) 2 , 10 , 50 , 250 , 1250  
 A. Add 2  
 B. Subtract 5  
 C. Multiply 6  
 D. Multiply 5

- 9) 9 , 36 , 144 , 576  
 A. Add 4  
 B. Multiply 4  
 C. Subtract 9  
 D. Multiply 2

- 10) 10 , 14 , 18 , 22 , 26 , 30  
 A. Add 4  
 B. Add 2  
 C. Subtract 2  
 D. Multiply 8

- 11) 64 , 32 , 16 , 8 , 4  
 A. Add 8  
 B. Divide 2  
 C. Subtract 5  
 D. Multiply 3

- 12) 2 , 4 , 8 , 16 , 32  
 A. Add 2  
 B. Subtract 9  
 C. Multiply 2  
 D. Multiply 7

1. \_\_\_\_\_  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_  
 5. \_\_\_\_\_  
 6. \_\_\_\_\_  
 7. \_\_\_\_\_  
 8. \_\_\_\_\_  
 9. \_\_\_\_\_  
 10. \_\_\_\_\_  
 11. \_\_\_\_\_  
 12. \_\_\_\_\_



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- A. Add 8
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- C. Subtract 4
- D. Multiply 4

3) 47, 40, 33, 26, 19, 12, 5

- A. Subtract 7
- B. Add 3
- C. Subtract 3
- D. Multiply 10

4) 51, 44, 37, 30, 23, 16, 9

- A. Add 10
- B. Subtract 3
- C. Multiply 6
- D. Subtract 7

5) 24, 20, 16, 12, 8

- A. Subtract 4
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7) 162, 54, 18, 6

- A. Add 8
- B. Subtract 2
- C. Divide 3
- D. Multiply 4

8) 2, 10, 50, 250, 1250

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

9) 9, 36, 144, 576

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

10) 10, 14, 18, 22, 26, 30

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

11) 64, 32, 16, 8, 4

- A. Add 8
- B. Divide 2
- C. Subtract 5
- D. Multiply 3

12) 2, 4, 8, 16, 32

- A. Add 2
- B. Subtract 9
- C. Multiply 2
- D. Multiply 7

1. **A**

2. **C**

3. **A**

4. **D**

5. **A**

6. **A**

7. **C**

8. **D**

9. **B**

10. **A**

11. **B**

12. **C**