



## Determining Pattern Rule

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

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

1) 6 , 10 , 14 , 18 , 22 , 26

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

2) 3 , 13 , 23 , 33 , 43 , 53

- A. Divide 5
- B. Add 10
- C. Add 9
- D. Multiply 9

Ex. A

3) 52 , 45 , 38 , 31 , 24 , 17 , 10

- A. Subtract 6
- B. Divide 2
- C. Subtract 6
- D. Subtract 7

4) 4 , 13 , 22 , 31 , 40 , 49 , 58 , 67

- A. Subtract 6
- B. Multiply 8
- C. Add 9
- D. Divide 2

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

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

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

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

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

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

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

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

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

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

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

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

5) 62 , 54 , 46 , 38 , 30 , 22 , 14 , 6

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

6) 750 , 150 , 30 , 6

- A. Add 6
- B. Multiply 3
- C. Subtract 2
- D. Divide 5

7) 64 , 32 , 16 , 8 , 4

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

8) 2 , 8 , 32 , 128

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

9) 5 , 15 , 25 , 35 , 45 , 55 , 65 , 75

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

10) 3 , 6 , 12 , 24 , 48

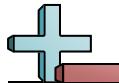
- A. Divide 10
- B. Subtract 4
- C. Add 3
- D. Multiply 2

11) 15 , 13 , 11 , 9 , 7 , 5

- A. Subtract 2
- B. Subtract 2
- C. Divide 5
- D. Divide 7

12) 3750 , 750 , 150 , 30 , 6

- A. Subtract 5
- B. Subtract 6
- C. Add 8
- D. Divide 5



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- A. Divide 5
- B. Add 10
- C. Add 9
- D. Multiply 9

3) 52 , 45 , 38 , 31 , 24 , 17 , 10

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- B. Divide 2
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- D. Subtract 7

4) 4 , 13 , 22 , 31 , 40 , 49 , 58 , 67

- A. Subtract 6
- B. Multiply 8
- C. Add 9
- D. Divide 2

5) 62 , 54 , 46 , 38 , 30 , 22 , 14 , 6

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

6) 750 , 150 , 30 , 6

- A. Add 6
- B. Multiply 3
- C. Subtract 2
- D. Divide 5

7) 64 , 32 , 16 , 8 , 4

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

8) 2 , 8 , 32 , 128

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

9) 5 , 15 , 25 , 35 , 45 , 55 , 65 , 75

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

10) 3 , 6 , 12 , 24 , 48

- A. Divide 10
- B. Subtract 4
- C. Add 3
- D. Multiply 2

11) 15 , 13 , 11 , 9 , 7 , 5

- A. Subtract 2
- B. Subtract 2
- C. Divide 5
- D. Divide 7

12) 3750 , 750 , 150 , 30 , 6

- A. Subtract 5
- B. Subtract 6
- C. Add 8
- D. Divide 5

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