# Determining Pattern Rule

Name:

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

**1)** Which choice uses the same addition rule as the pattern shown?

2 , 8 , 14 , 20 , 26 , 32

A. 7 , 15 , 23 , 31 , 39 , 47
B. 3 , 9 , 15 , 21 , 27 , 33
C. 5 , 14 , 23 , 32 , 41 , 50
D. 6 , 16 , 26 , 36 , 46 , 56

**2)** Which choice uses the same subtraction rule as the pattern shown?

38 , 31 , 24 , 17 , 10 , 3

A. 36 , 29 , 22 , 15 , 8 , 1
B. 53 , 43 , 33 , 23 , 13 , 3
C. 39 , 33 , 27 , 21 , 15 , 9
D. 17 , 14 , 11 , 8 , 5 , 2

**3)** Which choice uses the same subtraction rule as the pattern shown?

12 , 10 , 8 , 6 , 4 , 2

A. 37 , 31 , 25 , 19 , 13 , 7
B. 40 , 33 , 26 , 19 , 12 , 5
C. 16 , 14 , 12 , 10 , 8 , 6
D. 52 , 42 , 32 , 22 , 12 , 2

**4)** Which choice uses the same addition rule as the pattern shown?

4 , 11 , 18 , 25 , 32 , 39

A. 8 , 10 , 12 , 14 , 16 , 18
B. 5 , 12 , 19 , 26 , 33 , 40
C. 10 , 14 , 18 , 22 , 26 , 30
D. 10 , 18 , 26 , 34 , 42 , 50

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

4 , 11 , 18 , 25 , 32 , 39

A. 2 , 12 , 22 , 32 , 42 , 52
B. 7 , 13 , 19 , 25 , 31 , 37
C. 5 , 12 , 19 , 26 , 33 , 40
D. 8 , 17 , 26 , 35 , 44 , 53

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

49 , 41 , 33 , 25 , 17 , 9

A. 41 , 33 , 25 , 17 , 9 , 1
B. 31 , 25 , 19 , 13 , 7 , 1
C. 17 , 15 , 13 , 11 , 9 , 7
D. 46 , 37 , 28 , 19 , 10 , 1

**7)** Which choice uses the same subtraction rule as the pattern shown?

15 , 13 , 11 , 9 , 7 , 5

A. 17 , 15 , 13 , 11 , 9 , 7
B. 23 , 20 , 17 , 14 , 11 , 8
C. 40 , 33 , 26 , 19 , 12 , 5
D. 22 , 18 , 14 , 10 , 6 , 2

**8)** Which choice uses the same addition rule as the pattern shown?

6 , 13 , 20 , 27 , 34 , 41

A. 1 , 8 , 15 , 22 , 29 , 36
B. 10 , 19 , 28 , 37 , 46 , 55
C. 7 , 15 , 23 , 31 , 39 , 47
D. 1 , 3 , 5 , 7 , 9 , 11

**9)** Which choice uses the same addition rule as the pattern shown?

3 , 5 , 7 , 9 , 11 , 13

A. 4 , 14 , 24 , 34 , 44 , 54
B. 5 , 11 , 17 , 23 , 29 , 35
C. 8 , 16 , 24 , 32 , 40 , 48
D. 7 , 9 , 11 , 13 , 15 , 17

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

44 , 37 , 30 , 23 , 16 , 9

A. 16 , 14 , 12 , 10 , 8 , 6
B. 33 , 27 , 21 , 15 , 9 , 3
C. 42 , 34 , 26 , 18 , 10 , 2
D. 36 , 29 , 22 , 15 , 8 , 1

## Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____



| 1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

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C. 5 , 14 , 23 , 32 , 41 , 50
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3 , 5 , 7 , 9 , 11 , 13

A. 4 , 14 , 24 , 34 , 44 , 54
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44 , 37 , 30 , 23 , 16 , 9

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C. 42 , 34 , 26 , 18 , 10 , 2
D. 36 , 29 , 22 , 15 , 8 , 1

## Answers

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



| 1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|