



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

**Answers**

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

14, 12, 10, 8, 6, 4

- A. 47, 38, 29, 20, 11, 2
- B. 42, 34, 26, 18, 10, 2
- C. 17, 15, 13, 11, 9, 7
- D. 31, 26, 21, 16, 11, 6

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

30, 26, 22, 18, 14, 10

- A. 36, 29, 22, 15, 8, 1
- B. 53, 44, 35, 26, 17, 8
- C. 25, 21, 17, 13, 9, 5
- D. 46, 38, 30, 22, 14, 6

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

12, 10, 8, 6, 4, 2

- A. 46, 37, 28, 19, 10, 1
- B. 18, 16, 14, 12, 10, 8
- C. 26, 21, 16, 11, 6, 1
- D. 37, 30, 23, 16, 9, 2

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

24, 20, 16, 12, 8, 4

- A. 21, 17, 13, 9, 5, 1
- B. 38, 31, 24, 17, 10, 3
- C. 48, 39, 30, 21, 12, 3
- D. 21, 18, 15, 12, 9, 6

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

6, 14, 22, 30, 38, 46

- A. 10, 18, 26, 34, 42, 50
- B. 8, 11, 14, 17, 20, 23
- C. 7, 11, 15, 19, 23, 27
- D. 7, 13, 19, 25, 31, 37

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

2, 7, 12, 17, 22, 27

- A. 10, 12, 14, 16, 18, 20
- B. 5, 8, 11, 14, 17, 20
- C. 5, 11, 17, 23, 29, 35
- D. 10, 15, 20, 25, 30, 35

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

6, 9, 12, 15, 18, 21

- A. 10, 13, 16, 19, 22, 25
- B. 8, 15, 22, 29, 36, 43
- C. 1, 10, 19, 28, 37, 46
- D. 4, 8, 12, 16, 20, 24

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

44, 37, 30, 23, 16, 9

- A. 18, 16, 14, 12, 10, 8
- B. 36, 30, 24, 18, 12, 6
- C. 51, 42, 33, 24, 15, 6
- D. 36, 29, 22, 15, 8, 1

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

57, 47, 37, 27, 17, 7

- A. 56, 46, 36, 26, 16, 6
- B. 15, 13, 11, 9, 7, 5
- C. 32, 27, 22, 17, 12, 7
- D. 21, 18, 15, 12, 9, 6

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

5, 15, 25, 35, 45, 55

- A. 2, 12, 22, 32, 42, 52
- B. 9, 13, 17, 21, 25, 29
- C. 9, 18, 27, 36, 45, 54
- D. 7, 12, 17, 22, 27, 32

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



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

**Answers**

- |   |  |
|---|--|
| <p>1) Which choice uses the same subtraction rule as the pattern shown?<br/>             14 , 12 , 10 , 8 , 6 , 4</p> <p>A. 47 , 38 , 29 , 20 , 11 , 2<br/>         B. 42 , 34 , 26 , 18 , 10 , 2<br/>         C. 17 , 15 , 13 , 11 , 9 , 7<br/>         D. 31 , 26 , 21 , 16 , 11 , 6</p>  | <p>2) Which choice uses the same subtraction rule as the pattern shown?<br/>             30 , 26 , 22 , 18 , 14 , 10</p> <p>A. 36 , 29 , 22 , 15 , 8 , 1<br/>         B. 53 , 44 , 35 , 26 , 17 , 8<br/>         C. 25 , 21 , 17 , 13 , 9 , 5<br/>         D. 46 , 38 , 30 , 22 , 14 , 6</p> |
| <p>3) Which choice uses the same subtraction rule as the pattern shown?<br/>             12 , 10 , 8 , 6 , 4 , 2</p> <p>A. 46 , 37 , 28 , 19 , 10 , 1<br/>         B. 18 , 16 , 14 , 12 , 10 , 8<br/>         C. 26 , 21 , 16 , 11 , 6 , 1<br/>         D. 37 , 30 , 23 , 16 , 9 , 2</p>    | <p>4) Which choice uses the same subtraction rule as the pattern shown?<br/>             24 , 20 , 16 , 12 , 8 , 4</p> <p>A. 21 , 17 , 13 , 9 , 5 , 1<br/>         B. 38 , 31 , 24 , 17 , 10 , 3<br/>         C. 48 , 39 , 30 , 21 , 12 , 3<br/>         D. 21 , 18 , 15 , 12 , 9 , 6</p>    |
| <p>5) Which choice uses the same addition rule as the pattern shown?<br/>             6 , 14 , 22 , 30 , 38 , 46</p> <p>A. 10 , 18 , 26 , 34 , 42 , 50<br/>         B. 8 , 11 , 14 , 17 , 20 , 23<br/>         C. 7 , 11 , 15 , 19 , 23 , 27<br/>         D. 7 , 13 , 19 , 25 , 31 , 37</p> | <p>6) Which choice uses the same addition rule as the pattern shown?<br/>             2 , 7 , 12 , 17 , 22 , 27</p> <p>A. 10 , 12 , 14 , 16 , 18 , 20<br/>         B. 5 , 8 , 11 , 14 , 17 , 20<br/>         C. 5 , 11 , 17 , 23 , 29 , 35<br/>         D. 10 , 15 , 20 , 25 , 30 , 35</p>   |
| <p>7) Which choice uses the same addition rule as the pattern shown?<br/>             6 , 9 , 12 , 15 , 18 , 21</p> <p>A. 10 , 13 , 16 , 19 , 22 , 25<br/>         B. 8 , 15 , 22 , 29 , 36 , 43<br/>         C. 1 , 10 , 19 , 28 , 37 , 46<br/>         D. 4 , 8 , 12 , 16 , 20 , 24</p>   | <p>8) Which choice uses the same subtraction rule as the pattern shown?<br/>             44 , 37 , 30 , 23 , 16 , 9</p> <p>A. 18 , 16 , 14 , 12 , 10 , 8<br/>         B. 36 , 30 , 24 , 18 , 12 , 6<br/>         C. 51 , 42 , 33 , 24 , 15 , 6<br/>         D. 36 , 29 , 22 , 15 , 8 , 1</p> |
| <p>9) Which choice uses the same subtraction rule as the pattern shown?<br/>             57 , 47 , 37 , 27 , 17 , 7</p> <p>A. 56 , 46 , 36 , 26 , 16 , 6<br/>         B. 15 , 13 , 11 , 9 , 7 , 5<br/>         C. 32 , 27 , 22 , 17 , 12 , 7<br/>         D. 21 , 18 , 15 , 12 , 9 , 6</p>  | <p>10) Which choice uses the same addition rule as the pattern shown?<br/>             5 , 15 , 25 , 35 , 45 , 55</p> <p>A. 2 , 12 , 22 , 32 , 42 , 52<br/>         B. 9 , 13 , 17 , 21 , 25 , 29<br/>         C. 9 , 18 , 27 , 36 , 45 , 54<br/>         D. 7 , 12 , 17 , 22 , 27 , 32</p>  |

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



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

**Answers**

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

55, 46, 37, 28, 19, 10

- A. 40, 34, 28, 22, 16, 10
- B. 59, 49, 39, 29, 19, 9
- C. 48, 39, 30, 21, 12, 3
- D. 39, 32, 25, 18, 11, 4

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

35, 29, 23, 17, 11, 5

- A. 40, 34, 28, 22, 16, 10
- B. 53, 44, 35, 26, 17, 8
- C. 49, 41, 33, 25, 17, 9
- D. 12, 10, 8, 6, 4, 2

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

7, 14, 21, 28, 35, 42

- A. 4, 13, 22, 31, 40, 49
- B. 6, 13, 20, 27, 34, 41
- C. 9, 19, 29, 39, 49, 59
- D. 8, 14, 20, 26, 32, 38

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

1, 6, 11, 16, 21, 26

- A. 3, 8, 13, 18, 23, 28
- B. 4, 7, 10, 13, 16, 19
- C. 7, 11, 15, 19, 23, 27
- D. 5, 7, 9, 11, 13, 15

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

6, 9, 12, 15, 18, 21

- A. 2, 5, 8, 11, 14, 17
- B. 1, 5, 9, 13, 17, 21
- C. 7, 16, 25, 34, 43, 52
- D. 3, 8, 13, 18, 23, 28

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

2, 4, 6, 8, 10, 12

- A. 9, 11, 13, 15, 17, 19
- B. 4, 14, 24, 34, 44, 54
- C. 6, 15, 24, 33, 42, 51
- D. 9, 14, 19, 24, 29, 34

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

54, 44, 34, 24, 14, 4

- A. 35, 29, 23, 17, 11, 5
- B. 24, 21, 18, 15, 12, 9
- C. 30, 25, 20, 15, 10, 5
- D. 52, 42, 32, 22, 12, 2

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

51, 41, 31, 21, 11, 1

- A. 55, 45, 35, 25, 15, 5
- B. 40, 33, 26, 19, 12, 5
- C. 34, 29, 24, 19, 14, 9
- D. 28, 24, 20, 16, 12, 8

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

4, 11, 18, 25, 32, 39

- A. 10, 20, 30, 40, 50, 60
- B. 10, 12, 14, 16, 18, 20
- C. 5, 14, 23, 32, 41, 50
- D. 5, 12, 19, 26, 33, 40

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

9, 14, 19, 24, 29, 34

- A. 4, 11, 18, 25, 32, 39
- B. 5, 10, 15, 20, 25, 30
- C. 4, 7, 10, 13, 16, 19
- D. 2, 12, 22, 32, 42, 52

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



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

**Answers**

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

55, 46, 37, 28, 19, 10

- A. 40, 34, 28, 22, 16, 10
- B. 59, 49, 39, 29, 19, 9
- C. 48, 39, 30, 21, 12, 3
- D. 39, 32, 25, 18, 11, 4

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

35, 29, 23, 17, 11, 5

- A. 40, 34, 28, 22, 16, 10
- B. 53, 44, 35, 26, 17, 8
- C. 49, 41, 33, 25, 17, 9
- D. 12, 10, 8, 6, 4, 2

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

7, 14, 21, 28, 35, 42

- A. 4, 13, 22, 31, 40, 49
- B. 6, 13, 20, 27, 34, 41
- C. 9, 19, 29, 39, 49, 59
- D. 8, 14, 20, 26, 32, 38

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

1, 6, 11, 16, 21, 26

- A. 3, 8, 13, 18, 23, 28
- B. 4, 7, 10, 13, 16, 19
- C. 7, 11, 15, 19, 23, 27
- D. 5, 7, 9, 11, 13, 15

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

6, 9, 12, 15, 18, 21

- A. 2, 5, 8, 11, 14, 17
- B. 1, 5, 9, 13, 17, 21
- C. 7, 16, 25, 34, 43, 52
- D. 3, 8, 13, 18, 23, 28

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

2, 4, 6, 8, 10, 12

- A. 9, 11, 13, 15, 17, 19
- B. 4, 14, 24, 34, 44, 54
- C. 6, 15, 24, 33, 42, 51
- D. 9, 14, 19, 24, 29, 34

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

54, 44, 34, 24, 14, 4

- A. 35, 29, 23, 17, 11, 5
- B. 24, 21, 18, 15, 12, 9
- C. 30, 25, 20, 15, 10, 5
- D. 52, 42, 32, 22, 12, 2

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

51, 41, 31, 21, 11, 1

- A. 55, 45, 35, 25, 15, 5
- B. 40, 33, 26, 19, 12, 5
- C. 34, 29, 24, 19, 14, 9
- D. 28, 24, 20, 16, 12, 8

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

4, 11, 18, 25, 32, 39

- A. 10, 20, 30, 40, 50, 60
- B. 10, 12, 14, 16, 18, 20
- C. 5, 14, 23, 32, 41, 50
- D. 5, 12, 19, 26, 33, 40

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

9, 14, 19, 24, 29, 34

- A. 4, 11, 18, 25, 32, 39
- B. 5, 10, 15, 20, 25, 30
- C. 4, 7, 10, 13, 16, 19
- D. 2, 12, 22, 32, 42, 52

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



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

**Answers**

- 1) Which choice uses the same subtraction rule as the pattern shown?

49, 41, 33, 25, 17, 9

- A. 33, 28, 23, 18, 13, 8
- B. 20, 17, 14, 11, 8, 5
- C. 15, 13, 11, 9, 7, 5
- D. 43, 35, 27, 19, 11, 3

- 2) Which choice uses the same addition rule as the pattern shown?

10, 16, 22, 28, 34, 40

- A. 4, 14, 24, 34, 44, 54
- B. 4, 8, 12, 16, 20, 24
- C. 5, 8, 11, 14, 17, 20
- D. 8, 14, 20, 26, 32, 38

- 3) Which choice uses the same addition rule as the pattern shown?

6, 13, 20, 27, 34, 41

- A. 1, 6, 11, 16, 21, 26
- B. 2, 10, 18, 26, 34, 42
- C. 9, 15, 21, 27, 33, 39
- D. 5, 12, 19, 26, 33, 40

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

3, 9, 15, 21, 27, 33

- A. 9, 14, 19, 24, 29, 34
- B. 8, 14, 20, 26, 32, 38
- C. 7, 11, 15, 19, 23, 27
- D. 2, 12, 22, 32, 42, 52

- 5) Which choice uses the same subtraction rule as the pattern shown?

48, 39, 30, 21, 12, 3

- A. 56, 46, 36, 26, 16, 6
- B. 50, 41, 32, 23, 14, 5
- C. 12, 10, 8, 6, 4, 2
- D. 31, 26, 21, 16, 11, 6

- 6) Which choice uses the same addition rule as the pattern shown?

9, 17, 25, 33, 41, 49

- A. 2, 11, 20, 29, 38, 47
- B. 4, 7, 10, 13, 16, 19
- C. 8, 18, 28, 38, 48, 58
- D. 1, 9, 17, 25, 33, 41

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

41, 33, 25, 17, 9, 1

- A. 47, 39, 31, 23, 15, 7
- B. 49, 40, 31, 22, 13, 4
- C. 45, 38, 31, 24, 17, 10
- D. 16, 14, 12, 10, 8, 6

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

3, 10, 17, 24, 31, 38

- A. 4, 11, 18, 25, 32, 39
- B. 4, 6, 8, 10, 12, 14
- C. 2, 7, 12, 17, 22, 27
- D. 4, 8, 12, 16, 20, 24

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

4, 6, 8, 10, 12, 14

- A. 9, 14, 19, 24, 29, 34
- B. 6, 13, 20, 27, 34, 41
- C. 1, 3, 5, 7, 9, 11
- D. 4, 7, 10, 13, 16, 19

- 10) Which choice uses the same addition rule as the pattern shown?

1, 10, 19, 28, 37, 46

- A. 7, 9, 11, 13, 15, 17
- B. 10, 20, 30, 40, 50, 60
- C. 5, 14, 23, 32, 41, 50
- D. 4, 8, 12, 16, 20, 24

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



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

**Answers**

- |  |  |
|--|--|
| <p>1) Which choice uses the same subtraction rule as the pattern shown?<br/>             49 , 41 , 33 , 25 , 17 , 9</p> <p>A. 33 , 28 , 23 , 18 , 13 , 8<br/>         B. 20 , 17 , 14 , 11 , 8 , 5<br/>         C. 15 , 13 , 11 , 9 , 7 , 5<br/>         D. 43 , 35 , 27 , 19 , 11 , 3</p>   | <p>2) Which choice uses the same addition rule as the pattern shown?<br/>             10 , 16 , 22 , 28 , 34 , 40</p> <p>A. 4 , 14 , 24 , 34 , 44 , 54<br/>         B. 4 , 8 , 12 , 16 , 20 , 24<br/>         C. 5 , 8 , 11 , 14 , 17 , 20<br/>         D. 8 , 14 , 20 , 26 , 32 , 38</p>  |
| <p>3) Which choice uses the same addition rule as the pattern shown?<br/>             6 , 13 , 20 , 27 , 34 , 41</p> <p>A. 1 , 6 , 11 , 16 , 21 , 26<br/>         B. 2 , 10 , 18 , 26 , 34 , 42<br/>         C. 9 , 15 , 21 , 27 , 33 , 39<br/>         D. 5 , 12 , 19 , 26 , 33 , 40</p>    | <p>4) Which choice uses the same addition rule as the pattern shown?<br/>             3 , 9 , 15 , 21 , 27 , 33</p> <p>A. 9 , 14 , 19 , 24 , 29 , 34<br/>         B. 8 , 14 , 20 , 26 , 32 , 38<br/>         C. 7 , 11 , 15 , 19 , 23 , 27<br/>         D. 2 , 12 , 22 , 32 , 42 , 52</p>  |
| <p>5) Which choice uses the same subtraction rule as the pattern shown?<br/>             48 , 39 , 30 , 21 , 12 , 3</p> <p>A. 56 , 46 , 36 , 26 , 16 , 6<br/>         B. 50 , 41 , 32 , 23 , 14 , 5<br/>         C. 12 , 10 , 8 , 6 , 4 , 2<br/>         D. 31 , 26 , 21 , 16 , 11 , 6</p>   | <p>6) Which choice uses the same addition rule as the pattern shown?<br/>             9 , 17 , 25 , 33 , 41 , 49</p> <p>A. 2 , 11 , 20 , 29 , 38 , 47<br/>         B. 4 , 7 , 10 , 13 , 16 , 19<br/>         C. 8 , 18 , 28 , 38 , 48 , 58<br/>         D. 1 , 9 , 17 , 25 , 33 , 41</p>   |
| <p>7) Which choice uses the same subtraction rule as the pattern shown?<br/>             41 , 33 , 25 , 17 , 9 , 1</p> <p>A. 47 , 39 , 31 , 23 , 15 , 7<br/>         B. 49 , 40 , 31 , 22 , 13 , 4<br/>         C. 45 , 38 , 31 , 24 , 17 , 10<br/>         D. 16 , 14 , 12 , 10 , 8 , 6</p> | <p>8) Which choice uses the same addition rule as the pattern shown?<br/>             3 , 10 , 17 , 24 , 31 , 38</p> <p>A. 4 , 11 , 18 , 25 , 32 , 39<br/>         B. 4 , 6 , 8 , 10 , 12 , 14<br/>         C. 2 , 7 , 12 , 17 , 22 , 27<br/>         D. 4 , 8 , 12 , 16 , 20 , 24</p>     |
| <p>9) Which choice uses the same addition rule as the pattern shown?<br/>             4 , 6 , 8 , 10 , 12 , 14</p> <p>A. 9 , 14 , 19 , 24 , 29 , 34<br/>         B. 6 , 13 , 20 , 27 , 34 , 41<br/>         C. 1 , 3 , 5 , 7 , 9 , 11<br/>         D. 4 , 7 , 10 , 13 , 16 , 19</p>          | <p>10) Which choice uses the same addition rule as the pattern shown?<br/>             1 , 10 , 19 , 28 , 37 , 46</p> <p>A. 7 , 9 , 11 , 13 , 15 , 17<br/>         B. 10 , 20 , 30 , 40 , 50 , 60<br/>         C. 5 , 14 , 23 , 32 , 41 , 50<br/>         D. 4 , 8 , 12 , 16 , 20 , 24</p> |

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



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

**Answers**

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

42 , 35 , 28 , 21 , 14 , 7

- A. 23 , 19 , 15 , 11 , 7 , 3
- B. 33 , 27 , 21 , 15 , 9 , 3
- C. 14 , 12 , 10 , 8 , 6 , 4
- D. 38 , 31 , 24 , 17 , 10 , 3

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

2 , 8 , 14 , 20 , 26 , 32

- A. 8 , 11 , 14 , 17 , 20 , 23
- B. 10 , 16 , 22 , 28 , 34 , 40
- C. 1 , 11 , 21 , 31 , 41 , 51
- D. 2 , 6 , 10 , 14 , 18 , 22

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

7 , 13 , 19 , 25 , 31 , 37

- A. 5 , 14 , 23 , 32 , 41 , 50
- B. 6 , 13 , 20 , 27 , 34 , 41
- C. 2 , 8 , 14 , 20 , 26 , 32
- D. 9 , 14 , 19 , 24 , 29 , 34

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

4 , 7 , 10 , 13 , 16 , 19

- A. 10 , 16 , 22 , 28 , 34 , 40
- B. 2 , 5 , 8 , 11 , 14 , 17
- C. 10 , 19 , 28 , 37 , 46 , 55
- D. 5 , 15 , 25 , 35 , 45 , 55

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

1 , 11 , 21 , 31 , 41 , 51

- A. 6 , 8 , 10 , 12 , 14 , 16
- B. 1 , 5 , 9 , 13 , 17 , 21
- C. 2 , 7 , 12 , 17 , 22 , 27
- D. 10 , 20 , 30 , 40 , 50 , 60

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

5 , 13 , 21 , 29 , 37 , 45

- A. 9 , 11 , 13 , 15 , 17 , 19
- B. 6 , 16 , 26 , 36 , 46 , 56
- C. 3 , 11 , 19 , 27 , 35 , 43
- D. 7 , 16 , 25 , 34 , 43 , 52

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

1 , 5 , 9 , 13 , 17 , 21

- A. 7 , 11 , 15 , 19 , 23 , 27
- B. 5 , 15 , 25 , 35 , 45 , 55
- C. 6 , 11 , 16 , 21 , 26 , 31
- D. 9 , 15 , 21 , 27 , 33 , 39

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

44 , 37 , 30 , 23 , 16 , 9

- A. 52 , 42 , 32 , 22 , 12 , 2
- B. 36 , 29 , 22 , 15 , 8 , 1
- C. 46 , 37 , 28 , 19 , 10 , 1
- D. 46 , 38 , 30 , 22 , 14 , 6

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

38 , 32 , 26 , 20 , 14 , 8

- A. 17 , 15 , 13 , 11 , 9 , 7
- B. 49 , 40 , 31 , 22 , 13 , 4
- C. 31 , 25 , 19 , 13 , 7 , 1
- D. 41 , 33 , 25 , 17 , 9 , 1

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

5 , 9 , 13 , 17 , 21 , 25

- A. 7 , 10 , 13 , 16 , 19 , 22
- B. 6 , 10 , 14 , 18 , 22 , 26
- C. 7 , 15 , 23 , 31 , 39 , 47
- D. 4 , 14 , 24 , 34 , 44 , 54

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



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

**Answers**

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

42 , 35 , 28 , 21 , 14 , 7

- A. 23 , 19 , 15 , 11 , 7 , 3
- B. 33 , 27 , 21 , 15 , 9 , 3
- C. 14 , 12 , 10 , 8 , 6 , 4
- D. 38 , 31 , 24 , 17 , 10 , 3

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

2 , 8 , 14 , 20 , 26 , 32

- A. 8 , 11 , 14 , 17 , 20 , 23
- B. 10 , 16 , 22 , 28 , 34 , 40
- C. 1 , 11 , 21 , 31 , 41 , 51
- D. 2 , 6 , 10 , 14 , 18 , 22

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

7 , 13 , 19 , 25 , 31 , 37

- A. 5 , 14 , 23 , 32 , 41 , 50
- B. 6 , 13 , 20 , 27 , 34 , 41
- C. 2 , 8 , 14 , 20 , 26 , 32
- D. 9 , 14 , 19 , 24 , 29 , 34

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

4 , 7 , 10 , 13 , 16 , 19

- A. 10 , 16 , 22 , 28 , 34 , 40
- B. 2 , 5 , 8 , 11 , 14 , 17
- C. 10 , 19 , 28 , 37 , 46 , 55
- D. 5 , 15 , 25 , 35 , 45 , 55

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

1 , 11 , 21 , 31 , 41 , 51

- A. 6 , 8 , 10 , 12 , 14 , 16
- B. 1 , 5 , 9 , 13 , 17 , 21
- C. 2 , 7 , 12 , 17 , 22 , 27
- D. 10 , 20 , 30 , 40 , 50 , 60

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

5 , 13 , 21 , 29 , 37 , 45

- A. 9 , 11 , 13 , 15 , 17 , 19
- B. 6 , 16 , 26 , 36 , 46 , 56
- C. 3 , 11 , 19 , 27 , 35 , 43
- D. 7 , 16 , 25 , 34 , 43 , 52

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

1 , 5 , 9 , 13 , 17 , 21

- A. 7 , 11 , 15 , 19 , 23 , 27
- B. 5 , 15 , 25 , 35 , 45 , 55
- C. 6 , 11 , 16 , 21 , 26 , 31
- D. 9 , 15 , 21 , 27 , 33 , 39

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

44 , 37 , 30 , 23 , 16 , 9

- A. 52 , 42 , 32 , 22 , 12 , 2
- B. 36 , 29 , 22 , 15 , 8 , 1
- C. 46 , 37 , 28 , 19 , 10 , 1
- D. 46 , 38 , 30 , 22 , 14 , 6

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

38 , 32 , 26 , 20 , 14 , 8

- A. 17 , 15 , 13 , 11 , 9 , 7
- B. 49 , 40 , 31 , 22 , 13 , 4
- C. 31 , 25 , 19 , 13 , 7 , 1
- D. 41 , 33 , 25 , 17 , 9 , 1

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

5 , 9 , 13 , 17 , 21 , 25

- A. 7 , 10 , 13 , 16 , 19 , 22
- B. 6 , 10 , 14 , 18 , 22 , 26
- C. 7 , 15 , 23 , 31 , 39 , 47
- D. 4 , 14 , 24 , 34 , 44 , 54

1. **D**

2. **B**

3. **C**

4. **B**

5. **D**

6. **C**

7. **A**

8. **B**

9. **C**

10. **B**





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

**Answers**

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

26, 21, 16, 11, 6, 1

- A. 21, 18, 15, 12, 9, 6
- B. 47, 38, 29, 20, 11, 2
- C. 48, 40, 32, 24, 16, 8
- D. 31, 26, 21, 16, 11, 6

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

23, 20, 17, 14, 11, 8

- A. 31, 25, 19, 13, 7, 1
- B. 19, 16, 13, 10, 7, 4
- C. 50, 42, 34, 26, 18, 10
- D. 15, 13, 11, 9, 7, 5

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

3, 7, 11, 15, 19, 23

- A. 9, 19, 29, 39, 49, 59
- B. 1, 8, 15, 22, 29, 36
- C. 8, 16, 24, 32, 40, 48
- D. 7, 11, 15, 19, 23, 27

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

21, 18, 15, 12, 9, 6

- A. 37, 30, 23, 16, 9, 2
- B. 59, 49, 39, 29, 19, 9
- C. 30, 26, 22, 18, 14, 10
- D. 19, 16, 13, 10, 7, 4

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

1, 8, 15, 22, 29, 36

- A. 1, 6, 11, 16, 21, 26
- B. 6, 10, 14, 18, 22, 26
- C. 2, 9, 16, 23, 30, 37
- D. 3, 6, 9, 12, 15, 18

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

30, 25, 20, 15, 10, 5

- A. 33, 28, 23, 18, 13, 8
- B. 42, 34, 26, 18, 10, 2
- C. 28, 24, 20, 16, 12, 8
- D. 55, 45, 35, 25, 15, 5

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

22, 19, 16, 13, 10, 7

- A. 18, 15, 12, 9, 6, 3
- B. 53, 43, 33, 23, 13, 3
- C. 38, 32, 26, 20, 14, 8
- D. 44, 36, 28, 20, 12, 4

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

52, 42, 32, 22, 12, 2

- A. 34, 28, 22, 16, 10, 4
- B. 57, 47, 37, 27, 17, 7
- C. 14, 12, 10, 8, 6, 4
- D. 41, 33, 25, 17, 9, 1

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

3, 6, 9, 12, 15, 18

- A. 7, 17, 27, 37, 47, 57
- B. 10, 19, 28, 37, 46, 55
- C. 10, 17, 24, 31, 38, 45
- D. 8, 11, 14, 17, 20, 23

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

1, 9, 17, 25, 33, 41

- A. 8, 14, 20, 26, 32, 38
- B. 3, 11, 19, 27, 35, 43
- C. 9, 19, 29, 39, 49, 59
- D. 2, 5, 8, 11, 14, 17

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

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

- 1) Which choice uses the same subtraction rule as the pattern shown?  
26, 21, 16, 11, 6, 1
- A. 21, 18, 15, 12, 9, 6  
B. 47, 38, 29, 20, 11, 2  
C. 48, 40, 32, 24, 16, 8  
D. 31, 26, 21, 16, 11, 6
- 2) Which choice uses the same subtraction rule as the pattern shown?  
23, 20, 17, 14, 11, 8
- A. 31, 25, 19, 13, 7, 1  
B. 19, 16, 13, 10, 7, 4  
C. 50, 42, 34, 26, 18, 10  
D. 15, 13, 11, 9, 7, 5
- 3) Which choice uses the same addition rule as the pattern shown?  
3, 7, 11, 15, 19, 23
- A. 9, 19, 29, 39, 49, 59  
B. 1, 8, 15, 22, 29, 36  
C. 8, 16, 24, 32, 40, 48  
D. 7, 11, 15, 19, 23, 27
- 4) Which choice uses the same subtraction rule as the pattern shown?  
21, 18, 15, 12, 9, 6
- A. 37, 30, 23, 16, 9, 2  
B. 59, 49, 39, 29, 19, 9  
C. 30, 26, 22, 18, 14, 10  
D. 19, 16, 13, 10, 7, 4
- 5) Which choice uses the same addition rule as the pattern shown?  
1, 8, 15, 22, 29, 36
- A. 1, 6, 11, 16, 21, 26  
B. 6, 10, 14, 18, 22, 26  
C. 2, 9, 16, 23, 30, 37  
D. 3, 6, 9, 12, 15, 18
- 6) Which choice uses the same subtraction rule as the pattern shown?  
30, 25, 20, 15, 10, 5
- A. 33, 28, 23, 18, 13, 8  
B. 42, 34, 26, 18, 10, 2  
C. 28, 24, 20, 16, 12, 8  
D. 55, 45, 35, 25, 15, 5
- 7) Which choice uses the same subtraction rule as the pattern shown?  
22, 19, 16, 13, 10, 7
- A. 18, 15, 12, 9, 6, 3  
B. 53, 43, 33, 23, 13, 3  
C. 38, 32, 26, 20, 14, 8  
D. 44, 36, 28, 20, 12, 4
- 8) Which choice uses the same subtraction rule as the pattern shown?  
52, 42, 32, 22, 12, 2
- A. 34, 28, 22, 16, 10, 4  
B. 57, 47, 37, 27, 17, 7  
C. 14, 12, 10, 8, 6, 4  
D. 41, 33, 25, 17, 9, 1
- 9) Which choice uses the same addition rule as the pattern shown?  
3, 6, 9, 12, 15, 18
- A. 7, 17, 27, 37, 47, 57  
B. 10, 19, 28, 37, 46, 55  
C. 10, 17, 24, 31, 38, 45  
D. 8, 11, 14, 17, 20, 23
- 10) Which choice uses the same addition rule as the pattern shown?  
1, 9, 17, 25, 33, 41
- A. 8, 14, 20, 26, 32, 38  
B. 3, 11, 19, 27, 35, 43  
C. 9, 19, 29, 39, 49, 59  
D. 2, 5, 8, 11, 14, 17

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



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

**Answers**

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

2, 6, 10, 14, 18, 22

- A. 7, 11, 15, 19, 23, 27
- B. 5, 14, 23, 32, 41, 50
- C. 1, 9, 17, 25, 33, 41
- D. 2, 7, 12, 17, 22, 27

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

44, 36, 28, 20, 12, 4

- A. 49, 41, 33, 25, 17, 9
- B. 25, 22, 19, 16, 13, 10
- C. 45, 38, 31, 24, 17, 10
- D. 28, 24, 20, 16, 12, 8

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

55, 45, 35, 25, 15, 5

- A. 24, 21, 18, 15, 12, 9
- B. 45, 38, 31, 24, 17, 10
- C. 52, 43, 34, 25, 16, 7
- D. 56, 46, 36, 26, 16, 6

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

51, 42, 33, 24, 15, 6

- A. 41, 34, 27, 20, 13, 6
- B. 27, 23, 19, 15, 11, 7
- C. 35, 29, 23, 17, 11, 5
- D. 46, 37, 28, 19, 10, 1

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

1, 4, 7, 10, 13, 16

- A. 5, 7, 9, 11, 13, 15
- B. 10, 13, 16, 19, 22, 25
- C. 4, 13, 22, 31, 40, 49
- D. 8, 14, 20, 26, 32, 38

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

1, 9, 17, 25, 33, 41

- A. 9, 15, 21, 27, 33, 39
- B. 4, 9, 14, 19, 24, 29
- C. 4, 8, 12, 16, 20, 24
- D. 3, 11, 19, 27, 35, 43

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

32, 26, 20, 14, 8, 2

- A. 34, 28, 22, 16, 10, 4
- B. 55, 45, 35, 25, 15, 5
- C. 26, 21, 16, 11, 6, 1
- D. 51, 42, 33, 24, 15, 6

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

1, 3, 5, 7, 9, 11

- A. 7, 16, 25, 34, 43, 52
- B. 3, 6, 9, 12, 15, 18
- C. 5, 12, 19, 26, 33, 40
- D. 5, 7, 9, 11, 13, 15

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

59, 49, 39, 29, 19, 9

- A. 27, 23, 19, 15, 11, 7
- B. 29, 24, 19, 14, 9, 4
- C. 55, 45, 35, 25, 15, 5
- D. 18, 15, 12, 9, 6, 3

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

46, 38, 30, 22, 14, 6

- A. 43, 35, 27, 19, 11, 3
- B. 52, 43, 34, 25, 16, 7
- C. 40, 34, 28, 22, 16, 10
- D. 14, 12, 10, 8, 6, 4

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



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

**Answers**

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

2, 6, 10, 14, 18, 22

- A. 7, 11, 15, 19, 23, 27
- B. 5, 14, 23, 32, 41, 50
- C. 1, 9, 17, 25, 33, 41
- D. 2, 7, 12, 17, 22, 27

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

44, 36, 28, 20, 12, 4

- A. 49, 41, 33, 25, 17, 9
- B. 25, 22, 19, 16, 13, 10
- C. 45, 38, 31, 24, 17, 10
- D. 28, 24, 20, 16, 12, 8

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

55, 45, 35, 25, 15, 5

- A. 24, 21, 18, 15, 12, 9
- B. 45, 38, 31, 24, 17, 10
- C. 52, 43, 34, 25, 16, 7
- D. 56, 46, 36, 26, 16, 6

- 4) Which choice uses the same subtraction rule as the pattern shown?

51, 42, 33, 24, 15, 6

- A. 41, 34, 27, 20, 13, 6
- B. 27, 23, 19, 15, 11, 7
- C. 35, 29, 23, 17, 11, 5
- D. 46, 37, 28, 19, 10, 1

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

1, 4, 7, 10, 13, 16

- A. 5, 7, 9, 11, 13, 15
- B. 10, 13, 16, 19, 22, 25
- C. 4, 13, 22, 31, 40, 49
- D. 8, 14, 20, 26, 32, 38

- 6) Which choice uses the same addition rule as the pattern shown?

1, 9, 17, 25, 33, 41

- A. 9, 15, 21, 27, 33, 39
- B. 4, 9, 14, 19, 24, 29
- C. 4, 8, 12, 16, 20, 24
- D. 3, 11, 19, 27, 35, 43

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

32, 26, 20, 14, 8, 2

- A. 34, 28, 22, 16, 10, 4
- B. 55, 45, 35, 25, 15, 5
- C. 26, 21, 16, 11, 6, 1
- D. 51, 42, 33, 24, 15, 6

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

1, 3, 5, 7, 9, 11

- A. 7, 16, 25, 34, 43, 52
- B. 3, 6, 9, 12, 15, 18
- C. 5, 12, 19, 26, 33, 40
- D. 5, 7, 9, 11, 13, 15

- 9) Which choice uses the same subtraction rule as the pattern shown?

59, 49, 39, 29, 19, 9

- A. 27, 23, 19, 15, 11, 7
- B. 29, 24, 19, 14, 9, 4
- C. 55, 45, 35, 25, 15, 5
- D. 18, 15, 12, 9, 6, 3

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

46, 38, 30, 22, 14, 6

- A. 43, 35, 27, 19, 11, 3
- B. 52, 43, 34, 25, 16, 7
- C. 40, 34, 28, 22, 16, 10
- D. 14, 12, 10, 8, 6, 4

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



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

**Answers**

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

4, 13, 22, 31, 40, 49

- A. 10, 19, 28, 37, 46, 55
- B. 10, 17, 24, 31, 38, 45
- C. 9, 17, 25, 33, 41, 49
- D. 5, 10, 15, 20, 25, 30

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

6, 13, 20, 27, 34, 41

- A. 10, 17, 24, 31, 38, 45
- B. 10, 14, 18, 22, 26, 30
- C. 5, 11, 17, 23, 29, 35
- D. 9, 19, 29, 39, 49, 59

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

49, 40, 31, 22, 13, 4

- A. 54, 45, 36, 27, 18, 9
- B. 25, 22, 19, 16, 13, 10
- C. 52, 42, 32, 22, 12, 2
- D. 30, 25, 20, 15, 10, 5

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

52, 42, 32, 22, 12, 2

- A. 29, 25, 21, 17, 13, 9
- B. 32, 26, 20, 14, 8, 2
- C. 55, 45, 35, 25, 15, 5
- D. 29, 24, 19, 14, 9, 4

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

43, 36, 29, 22, 15, 8

- A. 19, 16, 13, 10, 7, 4
- B. 38, 31, 24, 17, 10, 3
- C. 52, 43, 34, 25, 16, 7
- D. 29, 25, 21, 17, 13, 9

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

4, 7, 10, 13, 16, 19

- A. 9, 12, 15, 18, 21, 24
- B. 7, 11, 15, 19, 23, 27
- C. 7, 12, 17, 22, 27, 32
- D. 2, 10, 18, 26, 34, 42

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

6, 11, 16, 21, 26, 31

- A. 3, 5, 7, 9, 11, 13
- B. 9, 14, 19, 24, 29, 34
- C. 7, 16, 25, 34, 43, 52
- D. 6, 10, 14, 18, 22, 26

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

8, 15, 22, 29, 36, 43

- A. 1, 5, 9, 13, 17, 21
- B. 7, 15, 23, 31, 39, 47
- C. 1, 3, 5, 7, 9, 11
- D. 1, 8, 15, 22, 29, 36

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

18, 16, 14, 12, 10, 8

- A. 43, 36, 29, 22, 15, 8
- B. 56, 46, 36, 26, 16, 6
- C. 17, 15, 13, 11, 9, 7
- D. 23, 19, 15, 11, 7, 3

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

10, 13, 16, 19, 22, 25

- A. 4, 14, 24, 34, 44, 54
- B. 1, 8, 15, 22, 29, 36
- C. 5, 9, 13, 17, 21, 25
- D. 6, 9, 12, 15, 18, 21

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



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

**Answers**

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

4, 13, 22, 31, 40, 49

- A. 10, 19, 28, 37, 46, 55
- B. 10, 17, 24, 31, 38, 45
- C. 9, 17, 25, 33, 41, 49
- D. 5, 10, 15, 20, 25, 30

- 2) Which choice uses the same addition rule as the pattern shown?

6, 13, 20, 27, 34, 41

- A. 10, 17, 24, 31, 38, 45
- B. 10, 14, 18, 22, 26, 30
- C. 5, 11, 17, 23, 29, 35
- D. 9, 19, 29, 39, 49, 59

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

49, 40, 31, 22, 13, 4

- A. 54, 45, 36, 27, 18, 9
- B. 25, 22, 19, 16, 13, 10
- C. 52, 42, 32, 22, 12, 2
- D. 30, 25, 20, 15, 10, 5

- 4) Which choice uses the same subtraction rule as the pattern shown?

52, 42, 32, 22, 12, 2

- A. 29, 25, 21, 17, 13, 9
- B. 32, 26, 20, 14, 8, 2
- C. 55, 45, 35, 25, 15, 5
- D. 29, 24, 19, 14, 9, 4

- 5) Which choice uses the same subtraction rule as the pattern shown?

43, 36, 29, 22, 15, 8

- A. 19, 16, 13, 10, 7, 4
- B. 38, 31, 24, 17, 10, 3
- C. 52, 43, 34, 25, 16, 7
- D. 29, 25, 21, 17, 13, 9

- 6) Which choice uses the same addition rule as the pattern shown?

4, 7, 10, 13, 16, 19

- A. 9, 12, 15, 18, 21, 24
- B. 7, 11, 15, 19, 23, 27
- C. 7, 12, 17, 22, 27, 32
- D. 2, 10, 18, 26, 34, 42

- 7) Which choice uses the same addition rule as the pattern shown?

6, 11, 16, 21, 26, 31

- A. 3, 5, 7, 9, 11, 13
- B. 9, 14, 19, 24, 29, 34
- C. 7, 16, 25, 34, 43, 52
- D. 6, 10, 14, 18, 22, 26

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

8, 15, 22, 29, 36, 43

- A. 1, 5, 9, 13, 17, 21
- B. 7, 15, 23, 31, 39, 47
- C. 1, 3, 5, 7, 9, 11
- D. 1, 8, 15, 22, 29, 36

- 9) Which choice uses the same subtraction rule as the pattern shown?

18, 16, 14, 12, 10, 8

- A. 43, 36, 29, 22, 15, 8
- B. 56, 46, 36, 26, 16, 6
- C. 17, 15, 13, 11, 9, 7
- D. 23, 19, 15, 11, 7, 3

- 10) Which choice uses the same addition rule as the pattern shown?

10, 13, 16, 19, 22, 25

- A. 4, 14, 24, 34, 44, 54
- B. 1, 8, 15, 22, 29, 36
- C. 5, 9, 13, 17, 21, 25
- D. 6, 9, 12, 15, 18, 21

1.   **A**  

2.   **A**  

3.   **A**  

4.   **C**  

5.   **B**  

6.   **A**  

7.   **B**  

8.   **D**  

9.   **C**  

10.   **D**



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

**Answers**

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

26, 21, 16, 11, 6, 1

- A. 44, 36, 28, 20, 12, 4
- B. 25, 22, 19, 16, 13, 10
- C. 34, 28, 22, 16, 10, 4
- D. 31, 26, 21, 16, 11, 6

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

10, 15, 20, 25, 30, 35

- A. 5, 13, 21, 29, 37, 45
- B. 5, 10, 15, 20, 25, 30
- C. 9, 12, 15, 18, 21, 24
- D. 5, 11, 17, 23, 29, 35

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

7, 11, 15, 19, 23, 27

- A. 5, 10, 15, 20, 25, 30
- B. 6, 9, 12, 15, 18, 21
- C. 5, 7, 9, 11, 13, 15
- D. 4, 8, 12, 16, 20, 24

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

5, 10, 15, 20, 25, 30

- A. 8, 13, 18, 23, 28, 33
- B. 4, 13, 22, 31, 40, 49
- C. 8, 14, 20, 26, 32, 38
- D. 7, 17, 27, 37, 47, 57

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

16, 13, 10, 7, 4, 1

- A. 57, 47, 37, 27, 17, 7
- B. 42, 34, 26, 18, 10, 2
- C. 26, 21, 16, 11, 6, 1
- D. 20, 17, 14, 11, 8, 5

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

42, 34, 26, 18, 10, 2

- A. 17, 15, 13, 11, 9, 7
- B. 58, 48, 38, 28, 18, 8
- C. 46, 38, 30, 22, 14, 6
- D. 29, 24, 19, 14, 9, 4

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

9, 17, 25, 33, 41, 49

- A. 10, 16, 22, 28, 34, 40
- B. 1, 8, 15, 22, 29, 36
- C. 10, 18, 26, 34, 42, 50
- D. 4, 7, 10, 13, 16, 19

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

6, 10, 14, 18, 22, 26

- A. 5, 9, 13, 17, 21, 25
- B. 2, 11, 20, 29, 38, 47
- C. 6, 16, 26, 36, 46, 56
- D. 4, 6, 8, 10, 12, 14

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

14, 12, 10, 8, 6, 4

- A. 51, 41, 31, 21, 11, 1
- B. 45, 38, 31, 24, 17, 10
- C. 29, 24, 19, 14, 9, 4
- D. 19, 17, 15, 13, 11, 9

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

49, 40, 31, 22, 13, 4

- A. 36, 30, 24, 18, 12, 6
- B. 58, 48, 38, 28, 18, 8
- C. 30, 25, 20, 15, 10, 5
- D. 48, 39, 30, 21, 12, 3

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



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

**Answers**

- 1) Which choice uses the same subtraction rule as the pattern shown?  
 $26, 21, 16, 11, 6, 1$   
 A.  $44, 36, 28, 20, 12, 4$   
 B.  $25, 22, 19, 16, 13, 10$   
 C.  $34, 28, 22, 16, 10, 4$   
 D.  $31, 26, 21, 16, 11, 6$
- 2) Which choice uses the same addition rule as the pattern shown?  
 $10, 15, 20, 25, 30, 35$   
 A.  $5, 13, 21, 29, 37, 45$   
 B.  $5, 10, 15, 20, 25, 30$   
 C.  $9, 12, 15, 18, 21, 24$   
 D.  $5, 11, 17, 23, 29, 35$
- 3) Which choice uses the same addition rule as the pattern shown?  
 $7, 11, 15, 19, 23, 27$   
 A.  $5, 10, 15, 20, 25, 30$   
 B.  $6, 9, 12, 15, 18, 21$   
 C.  $5, 7, 9, 11, 13, 15$   
 D.  $4, 8, 12, 16, 20, 24$
- 4) Which choice uses the same addition rule as the pattern shown?  
 $5, 10, 15, 20, 25, 30$   
 A.  $8, 13, 18, 23, 28, 33$   
 B.  $4, 13, 22, 31, 40, 49$   
 C.  $8, 14, 20, 26, 32, 38$   
 D.  $7, 17, 27, 37, 47, 57$
- 5) Which choice uses the same subtraction rule as the pattern shown?  
 $16, 13, 10, 7, 4, 1$   
 A.  $57, 47, 37, 27, 17, 7$   
 B.  $42, 34, 26, 18, 10, 2$   
 C.  $26, 21, 16, 11, 6, 1$   
 D.  $20, 17, 14, 11, 8, 5$
- 6) Which choice uses the same subtraction rule as the pattern shown?  
 $42, 34, 26, 18, 10, 2$   
 A.  $17, 15, 13, 11, 9, 7$   
 B.  $58, 48, 38, 28, 18, 8$   
 C.  $46, 38, 30, 22, 14, 6$   
 D.  $29, 24, 19, 14, 9, 4$
- 7) Which choice uses the same addition rule as the pattern shown?  
 $9, 17, 25, 33, 41, 49$   
 A.  $10, 16, 22, 28, 34, 40$   
 B.  $1, 8, 15, 22, 29, 36$   
 C.  $10, 18, 26, 34, 42, 50$   
 D.  $4, 7, 10, 13, 16, 19$
- 8) Which choice uses the same addition rule as the pattern shown?  
 $6, 10, 14, 18, 22, 26$   
 A.  $5, 9, 13, 17, 21, 25$   
 B.  $2, 11, 20, 29, 38, 47$   
 C.  $6, 16, 26, 36, 46, 56$   
 D.  $4, 6, 8, 10, 12, 14$
- 9) Which choice uses the same subtraction rule as the pattern shown?  
 $14, 12, 10, 8, 6, 4$   
 A.  $51, 41, 31, 21, 11, 1$   
 B.  $45, 38, 31, 24, 17, 10$   
 C.  $29, 24, 19, 14, 9, 4$   
 D.  $19, 17, 15, 13, 11, 9$
- 10) Which choice uses the same subtraction rule as the pattern shown?  
 $49, 40, 31, 22, 13, 4$   
 A.  $36, 30, 24, 18, 12, 6$   
 B.  $58, 48, 38, 28, 18, 8$   
 C.  $30, 25, 20, 15, 10, 5$   
 D.  $48, 39, 30, 21, 12, 3$

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





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

**Answers**

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

37, 30, 23, 16, 9, 2

- A. 26, 22, 18, 14, 10, 6
- B. 43, 36, 29, 22, 15, 8
- C. 48, 40, 32, 24, 16, 8
- D. 37, 31, 25, 19, 13, 7

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

5, 15, 25, 35, 45, 55

- A. 1, 11, 21, 31, 41, 51
- B. 5, 13, 21, 29, 37, 45
- C. 8, 13, 18, 23, 28, 33
- D. 2, 5, 8, 11, 14, 17

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

1, 9, 17, 25, 33, 41

- A. 4, 13, 22, 31, 40, 49
- B. 5, 7, 9, 11, 13, 15
- C. 2, 7, 12, 17, 22, 27
- D. 2, 10, 18, 26, 34, 42

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

27, 23, 19, 15, 11, 7

- A. 24, 20, 16, 12, 8, 4
- B. 41, 34, 27, 20, 13, 6
- C. 20, 17, 14, 11, 8, 5
- D. 47, 39, 31, 23, 15, 7

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

2, 8, 14, 20, 26, 32

- A. 4, 6, 8, 10, 12, 14
- B. 3, 9, 15, 21, 27, 33
- C. 8, 16, 24, 32, 40, 48
- D. 7, 10, 13, 16, 19, 22

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

53, 44, 35, 26, 17, 8

- A. 40, 34, 28, 22, 16, 10
- B. 54, 45, 36, 27, 18, 9
- C. 29, 25, 21, 17, 13, 9
- D. 11, 9, 7, 5, 3, 1

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

39, 32, 25, 18, 11, 4

- A. 45, 38, 31, 24, 17, 10
- B. 27, 23, 19, 15, 11, 7
- C. 17, 15, 13, 11, 9, 7
- D. 44, 36, 28, 20, 12, 4

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

39, 32, 25, 18, 11, 4

- A. 38, 31, 24, 17, 10, 3
- B. 25, 22, 19, 16, 13, 10
- C. 13, 11, 9, 7, 5, 3
- D. 30, 26, 22, 18, 14, 10

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

49, 41, 33, 25, 17, 9

- A. 24, 21, 18, 15, 12, 9
- B. 44, 36, 28, 20, 12, 4
- C. 55, 45, 35, 25, 15, 5
- D. 27, 23, 19, 15, 11, 7

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

1, 6, 11, 16, 21, 26

- A. 7, 12, 17, 22, 27, 32
- B. 3, 5, 7, 9, 11, 13
- C. 5, 15, 25, 35, 45, 55
- D. 8, 17, 26, 35, 44, 53

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



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

**Answers**

- 1) Which choice uses the same subtraction rule as the pattern shown?

37, 30, 23, 16, 9, 2

- A. 26, 22, 18, 14, 10, 6
- B. 43, 36, 29, 22, 15, 8
- C. 48, 40, 32, 24, 16, 8
- D. 37, 31, 25, 19, 13, 7

- 2) Which choice uses the same addition rule as the pattern shown?

5, 15, 25, 35, 45, 55

- A. 1, 11, 21, 31, 41, 51
- B. 5, 13, 21, 29, 37, 45
- C. 8, 13, 18, 23, 28, 33
- D. 2, 5, 8, 11, 14, 17

- 3) Which choice uses the same addition rule as the pattern shown?

1, 9, 17, 25, 33, 41

- A. 4, 13, 22, 31, 40, 49
- B. 5, 7, 9, 11, 13, 15
- C. 2, 7, 12, 17, 22, 27
- D. 2, 10, 18, 26, 34, 42

- 4) Which choice uses the same subtraction rule as the pattern shown?

27, 23, 19, 15, 11, 7

- A. 24, 20, 16, 12, 8, 4
- B. 41, 34, 27, 20, 13, 6
- C. 20, 17, 14, 11, 8, 5
- D. 47, 39, 31, 23, 15, 7

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

2, 8, 14, 20, 26, 32

- A. 4, 6, 8, 10, 12, 14
- B. 3, 9, 15, 21, 27, 33
- C. 8, 16, 24, 32, 40, 48
- D. 7, 10, 13, 16, 19, 22

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

53, 44, 35, 26, 17, 8

- A. 40, 34, 28, 22, 16, 10
- B. 54, 45, 36, 27, 18, 9
- C. 29, 25, 21, 17, 13, 9
- D. 11, 9, 7, 5, 3, 1

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

39, 32, 25, 18, 11, 4

- A. 45, 38, 31, 24, 17, 10
- B. 27, 23, 19, 15, 11, 7
- C. 17, 15, 13, 11, 9, 7
- D. 44, 36, 28, 20, 12, 4

- 8) Which choice uses the same subtraction rule as the pattern shown?

39, 32, 25, 18, 11, 4

- A. 38, 31, 24, 17, 10, 3
- B. 25, 22, 19, 16, 13, 10
- C. 13, 11, 9, 7, 5, 3
- D. 30, 26, 22, 18, 14, 10

- 9) Which choice uses the same subtraction rule as the pattern shown?

49, 41, 33, 25, 17, 9

- A. 24, 21, 18, 15, 12, 9
- B. 44, 36, 28, 20, 12, 4
- C. 55, 45, 35, 25, 15, 5
- D. 27, 23, 19, 15, 11, 7

- 10) Which choice uses the same addition rule as the pattern shown?

1, 6, 11, 16, 21, 26

- A. 7, 12, 17, 22, 27, 32
- B. 3, 5, 7, 9, 11, 13
- C. 5, 15, 25, 35, 45, 55
- D. 8, 17, 26, 35, 44, 53

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



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

**Answers**

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

5, 12, 19, 26, 33, 40

- A. 9, 11, 13, 15, 17, 19
- B. 9, 13, 17, 21, 25, 29
- C. 3, 6, 9, 12, 15, 18
- D. 6, 13, 20, 27, 34, 41

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

43, 35, 27, 19, 11, 3

- A. 22, 19, 16, 13, 10, 7
- B. 27, 23, 19, 15, 11, 7
- C. 45, 38, 31, 24, 17, 10
- D. 45, 37, 29, 21, 13, 5

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

3, 7, 11, 15, 19, 23

- A. 5, 9, 13, 17, 21, 25
- B. 10, 17, 24, 31, 38, 45
- C. 8, 13, 18, 23, 28, 33
- D. 5, 13, 21, 29, 37, 45

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

3, 13, 23, 33, 43, 53

- A. 5, 14, 23, 32, 41, 50
- B. 5, 10, 15, 20, 25, 30
- C. 4, 14, 24, 34, 44, 54
- D. 4, 7, 10, 13, 16, 19

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

3, 11, 19, 27, 35, 43

- A. 3, 6, 9, 12, 15, 18
- B. 1, 3, 5, 7, 9, 11
- C. 6, 10, 14, 18, 22, 26
- D. 1, 9, 17, 25, 33, 41

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

2, 6, 10, 14, 18, 22

- A. 7, 11, 15, 19, 23, 27
- B. 3, 9, 15, 21, 27, 33
- C. 7, 15, 23, 31, 39, 47
- D. 10, 13, 16, 19, 22, 25

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

22, 19, 16, 13, 10, 7

- A. 19, 16, 13, 10, 7, 4
- B. 38, 32, 26, 20, 14, 8
- C. 35, 30, 25, 20, 15, 10
- D. 28, 24, 20, 16, 12, 8

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

21, 17, 13, 9, 5, 1

- A. 60, 50, 40, 30, 20, 10
- B. 28, 24, 20, 16, 12, 8
- C. 26, 21, 16, 11, 6, 1
- D. 38, 32, 26, 20, 14, 8

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

1, 11, 21, 31, 41, 51

- A. 7, 17, 27, 37, 47, 57
- B. 4, 13, 22, 31, 40, 49
- C. 4, 6, 8, 10, 12, 14
- D. 7, 13, 19, 25, 31, 37

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

3, 12, 21, 30, 39, 48

- A. 6, 15, 24, 33, 42, 51
- B. 7, 17, 27, 37, 47, 57
- C. 10, 15, 20, 25, 30, 35
- D. 3, 5, 7, 9, 11, 13

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



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

**Answers**

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

5, 12, 19, 26, 33, 40

- A. 9, 11, 13, 15, 17, 19
- B. 9, 13, 17, 21, 25, 29
- C. 3, 6, 9, 12, 15, 18
- D. 6, 13, 20, 27, 34, 41

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

43, 35, 27, 19, 11, 3

- A. 22, 19, 16, 13, 10, 7
- B. 27, 23, 19, 15, 11, 7
- C. 45, 38, 31, 24, 17, 10
- D. 45, 37, 29, 21, 13, 5

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

3, 7, 11, 15, 19, 23

- A. 5, 9, 13, 17, 21, 25
- B. 10, 17, 24, 31, 38, 45
- C. 8, 13, 18, 23, 28, 33
- D. 5, 13, 21, 29, 37, 45

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

3, 13, 23, 33, 43, 53

- A. 5, 14, 23, 32, 41, 50
- B. 5, 10, 15, 20, 25, 30
- C. 4, 14, 24, 34, 44, 54
- D. 4, 7, 10, 13, 16, 19

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

3, 11, 19, 27, 35, 43

- A. 3, 6, 9, 12, 15, 18
- B. 1, 3, 5, 7, 9, 11
- C. 6, 10, 14, 18, 22, 26
- D. 1, 9, 17, 25, 33, 41

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

2, 6, 10, 14, 18, 22

- A. 7, 11, 15, 19, 23, 27
- B. 3, 9, 15, 21, 27, 33
- C. 7, 15, 23, 31, 39, 47
- D. 10, 13, 16, 19, 22, 25

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

22, 19, 16, 13, 10, 7

- A. 19, 16, 13, 10, 7, 4
- B. 38, 32, 26, 20, 14, 8
- C. 35, 30, 25, 20, 15, 10
- D. 28, 24, 20, 16, 12, 8

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

21, 17, 13, 9, 5, 1

- A. 60, 50, 40, 30, 20, 10
- B. 28, 24, 20, 16, 12, 8
- C. 26, 21, 16, 11, 6, 1
- D. 38, 32, 26, 20, 14, 8

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

1, 11, 21, 31, 41, 51

- A. 7, 17, 27, 37, 47, 57
- B. 4, 13, 22, 31, 40, 49
- C. 4, 6, 8, 10, 12, 14
- D. 7, 13, 19, 25, 31, 37

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

3, 12, 21, 30, 39, 48

- A. 6, 15, 24, 33, 42, 51
- B. 7, 17, 27, 37, 47, 57
- C. 10, 15, 20, 25, 30, 35
- D. 3, 5, 7, 9, 11, 13

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