



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

Answers

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

26, 20, 14, 8, 2

- A. 31, 25, 19, 13, 7
- B. 18, 16, 14, 12, 10
- C. 36, 28, 20, 12, 4
- D. 44, 35, 26, 17, 8

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

1, 5, 9, 13, 17

- A. 8, 12, 16, 20, 24
- B. 7, 17, 27, 37, 47
- C. 3, 6, 9, 12, 15
- D. 5, 8, 11, 14, 17

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

16, 14, 12, 10, 8

- A. 18, 16, 14, 12, 10
- B. 17, 14, 11, 8, 5
- C. 46, 37, 28, 19, 10
- D. 38, 29, 20, 11, 2

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

8, 12, 16, 20, 24

- A. 7, 10, 13, 16, 19
- B. 2, 8, 14, 20, 26
- C. 4, 10, 16, 22, 28
- D. 4, 8, 12, 16, 20

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

44, 34, 24, 14, 4

- A. 14, 12, 10, 8, 6
- B. 45, 35, 25, 15, 5
- C. 34, 26, 18, 10, 2
- D. 29, 23, 17, 11, 5

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

42, 32, 22, 12, 2

- A. 17, 14, 11, 8, 5
- B. 50, 40, 30, 20, 10
- C. 43, 34, 25, 16, 7
- D. 17, 13, 9, 5, 1

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

1, 8, 15, 22, 29

- A. 9, 19, 29, 39, 49
- B. 8, 15, 22, 29, 36
- C. 9, 18, 27, 36, 45
- D. 4, 12, 20, 28, 36

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

5, 7, 9, 11, 13

- A. 2, 9, 16, 23, 30
- B. 4, 8, 12, 16, 20
- C. 2, 11, 20, 29, 38
- D. 1, 3, 5, 7, 9

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

3, 7, 11, 15, 19

- A. 4, 12, 20, 28, 36
- B. 5, 11, 17, 23, 29
- C. 5, 12, 19, 26, 33
- D. 2, 6, 10, 14, 18

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

35, 28, 21, 14, 7

- A. 49, 39, 29, 19, 9
- B. 38, 31, 24, 17, 10
- C. 10, 8, 6, 4, 2
- D. 21, 18, 15, 12, 9

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



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

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

26, 20, 14, 8, 2

- A. 31, 25, 19, 13, 7
- B. 18, 16, 14, 12, 10
- C. 36, 28, 20, 12, 4
- D. 44, 35, 26, 17, 8

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

16, 14, 12, 10, 8

- A. 18, 16, 14, 12, 10
- B. 17, 14, 11, 8, 5
- C. 46, 37, 28, 19, 10
- D. 38, 29, 20, 11, 2

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

44, 34, 24, 14, 4

- A. 14, 12, 10, 8, 6
- B. 45, 35, 25, 15, 5
- C. 34, 26, 18, 10, 2
- D. 29, 23, 17, 11, 5

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

1, 8, 15, 22, 29

- A. 9, 19, 29, 39, 49
- B. 8, 15, 22, 29, 36
- C. 9, 18, 27, 36, 45
- D. 4, 12, 20, 28, 36

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

3, 7, 11, 15, 19

- A. 4, 12, 20, 28, 36
- B. 5, 11, 17, 23, 29
- C. 5, 12, 19, 26, 33
- D. 2, 6, 10, 14, 18

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

1, 5, 9, 13, 17

- A. 8, 12, 16, 20, 24
- B. 7, 17, 27, 37, 47
- C. 3, 6, 9, 12, 15
- D. 5, 8, 11, 14, 17

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

8, 12, 16, 20, 24

- A. 7, 10, 13, 16, 19
- B. 2, 8, 14, 20, 26
- C. 4, 10, 16, 22, 28
- D. 4, 8, 12, 16, 20

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

42, 32, 22, 12, 2

- A. 17, 14, 11, 8, 5
- B. 50, 40, 30, 20, 10
- C. 43, 34, 25, 16, 7
- D. 17, 13, 9, 5, 1

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

5, 7, 9, 11, 13

- A. 2, 9, 16, 23, 30
- B. 4, 8, 12, 16, 20
- C. 2, 11, 20, 29, 38
- D. 1, 3, 5, 7, 9

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

35, 28, 21, 14, 7

- A. 49, 39, 29, 19, 9
- B. 38, 31, 24, 17, 10
- C. 10, 8, 6, 4, 2
- D. 21, 18, 15, 12, 9

Answers

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

7, 15, 23, 31, 39

- A. 5, 15, 25, 35, 45
- B. 6, 14, 22, 30, 38
- C. 3, 13, 23, 33, 43
- D. 3, 10, 17, 24, 31

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

1, 11, 21, 31, 41

- A. 7, 11, 15, 19, 23
- B. 9, 14, 19, 24, 29
- C. 2, 9, 16, 23, 30
- D. 5, 15, 25, 35, 45

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

44, 35, 26, 17, 8

- A. 38, 30, 22, 14, 6
- B. 40, 31, 22, 13, 4
- C. 22, 18, 14, 10, 6
- D. 14, 11, 8, 5, 2

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

10, 14, 18, 22, 26

- A. 9, 16, 23, 30, 37
- B. 6, 16, 26, 36, 46
- C. 9, 17, 25, 33, 41
- D. 9, 13, 17, 21, 25

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

2, 7, 12, 17, 22

- A. 7, 11, 15, 19, 23
- B. 1, 3, 5, 7, 9
- C. 6, 15, 24, 33, 42
- D. 4, 9, 14, 19, 24

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

7, 10, 13, 16, 19

- A. 1, 11, 21, 31, 41
- B. 1, 4, 7, 10, 13
- C. 10, 12, 14, 16, 18
- D. 8, 17, 26, 35, 44

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

5, 8, 11, 14, 17

- A. 2, 6, 10, 14, 18
- B. 10, 14, 18, 22, 26
- C. 7, 16, 25, 34, 43
- D. 7, 10, 13, 16, 19

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

43, 33, 23, 13, 3

- A. 43, 34, 25, 16, 7
- B. 44, 34, 24, 14, 4
- C. 23, 19, 15, 11, 7
- D. 20, 17, 14, 11, 8

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

9, 7, 5, 3, 1

- A. 42, 33, 24, 15, 6
- B. 18, 16, 14, 12, 10
- C. 27, 22, 17, 12, 7
- D. 45, 36, 27, 18, 9

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

6, 11, 16, 21, 26

- A. 10, 15, 20, 25, 30
- B. 8, 14, 20, 26, 32
- C. 2, 5, 8, 11, 14
- D. 7, 15, 23, 31, 39

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



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

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

7, 15, 23, 31, 39

- A. 5, 15, 25, 35, 45
- B. 6, 14, 22, 30, 38
- C. 3, 13, 23, 33, 43
- D. 3, 10, 17, 24, 31

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

44, 35, 26, 17, 8

- A. 38, 30, 22, 14, 6
- B. 40, 31, 22, 13, 4
- C. 22, 18, 14, 10, 6
- D. 14, 11, 8, 5, 2

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

2, 7, 12, 17, 22

- A. 7, 11, 15, 19, 23
- B. 1, 3, 5, 7, 9
- C. 6, 15, 24, 33, 42
- D. 4, 9, 14, 19, 24

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

5, 8, 11, 14, 17

- A. 2, 6, 10, 14, 18
- B. 10, 14, 18, 22, 26
- C. 7, 16, 25, 34, 43
- D. 7, 10, 13, 16, 19

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

9, 7, 5, 3, 1

- A. 42, 33, 24, 15, 6
- B. 18, 16, 14, 12, 10
- C. 27, 22, 17, 12, 7
- D. 45, 36, 27, 18, 9

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

1, 11, 21, 31, 41

- A. 7, 11, 15, 19, 23
- B. 9, 14, 19, 24, 29
- C. 2, 9, 16, 23, 30
- D. 5, 15, 25, 35, 45

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

10, 14, 18, 22, 26

- A. 9, 16, 23, 30, 37
- B. 6, 16, 26, 36, 46
- C. 9, 17, 25, 33, 41
- D. 9, 13, 17, 21, 25

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

7, 10, 13, 16, 19

- A. 1, 11, 21, 31, 41
- B. 1, 4, 7, 10, 13
- C. 10, 12, 14, 16, 18
- D. 8, 17, 26, 35, 44

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

43, 33, 23, 13, 3

- A. 43, 34, 25, 16, 7
- B. 44, 34, 24, 14, 4
- C. 23, 19, 15, 11, 7
- D. 20, 17, 14, 11, 8

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

6, 11, 16, 21, 26

- A. 10, 15, 20, 25, 30
- B. 8, 14, 20, 26, 32
- C. 2, 5, 8, 11, 14
- D. 7, 15, 23, 31, 39

Answers

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

5, 7, 9, 11, 13

- A. 8, 13, 18, 23, 28
- B. 7, 15, 23, 31, 39
- C. 3, 9, 15, 21, 27
- D. 2, 4, 6, 8, 10

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

34, 26, 18, 10, 2

- A. 27, 22, 17, 12, 7
- B. 39, 30, 21, 12, 3
- C. 41, 33, 25, 17, 9
- D. 20, 16, 12, 8, 4

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

22, 17, 12, 7, 2

- A. 21, 16, 11, 6, 1
- B. 14, 12, 10, 8, 6
- C. 39, 31, 23, 15, 7
- D. 16, 13, 10, 7, 4

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

19, 15, 11, 7, 3

- A. 29, 24, 19, 14, 9
- B. 24, 19, 14, 9, 4
- C. 21, 16, 11, 6, 1
- D. 20, 16, 12, 8, 4

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

38, 30, 22, 14, 6

- A. 45, 35, 25, 15, 5
- B. 19, 15, 11, 7, 3
- C. 41, 31, 21, 11, 1
- D. 39, 31, 23, 15, 7

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

36, 28, 20, 12, 4

- A. 41, 33, 25, 17, 9
- B. 43, 33, 23, 13, 3
- C. 18, 16, 14, 12, 10
- D. 26, 22, 18, 14, 10

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

18, 14, 10, 6, 2

- A. 40, 31, 22, 13, 4
- B. 19, 15, 11, 7, 3
- C. 34, 27, 20, 13, 6
- D. 34, 28, 22, 16, 10

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

36, 28, 20, 12, 4, 20, 16, 12, 8, 4

- A. 22, 18, 14, 10, 6
- B. 40, 32, 24, 16, 8
- C. 27, 22, 17, 12, 7
- D. 16, 14, 12, 10, 8

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

34, 26, 18, 10, 2, 39, 30, 21, 12, 3

- A. 28, 23, 18, 13, 8
- B. 22, 19, 16, 13, 10
- C. 21, 17, 13, 9, 5
- D. 44, 35, 26, 17, 8

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

30, 24, 18, 12, 6

- A. 25, 20, 15, 10, 5
- B. 35, 27, 19, 11, 3
- C. 29, 22, 15, 8, 1
- D. 29, 23, 17, 11, 5

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



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

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

5, 7, 9, 11, 13

- A. 8, 13, 18, 23, 28
- B. 7, 15, 23, 31, 39
- C. 3, 9, 15, 21, 27
- D. 2, 4, 6, 8, 10

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

22, 17, 12, 7, 2

- A. 21, 16, 11, 6, 1
- B. 14, 12, 10, 8, 6
- C. 39, 31, 23, 15, 7
- D. 16, 13, 10, 7, 4

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

38, 30, 22, 14, 6

- A. 45, 35, 25, 15, 5
- B. 19, 15, 11, 7, 3
- C. 41, 31, 21, 11, 1
- D. 39, 31, 23, 15, 7

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

18, 14, 10, 6, 2

- A. 40, 31, 22, 13, 4
- B. 19, 15, 11, 7, 3
- C. 34, 27, 20, 13, 6
- D. 34, 28, 22, 16, 10

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

34, 26, 18, 10, 2, 39, 30, 21, 12, 3

- A. 28, 23, 18, 13, 8
- B. 22, 19, 16, 13, 10
- C. 21, 17, 13, 9, 5
- D. 44, 35, 26, 17, 8

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

34, 26, 18, 10, 2

- A. 27, 22, 17, 12, 7
- B. 39, 30, 21, 12, 3
- C. 41, 33, 25, 17, 9
- D. 20, 16, 12, 8, 4

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

19, 15, 11, 7, 3

- A. 29, 24, 19, 14, 9
- B. 24, 19, 14, 9, 4
- C. 21, 16, 11, 6, 1
- D. 20, 16, 12, 8, 4

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

36, 28, 20, 12, 4

- A. 41, 33, 25, 17, 9
- B. 43, 33, 23, 13, 3
- C. 18, 16, 14, 12, 10
- D. 26, 22, 18, 14, 10

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

36, 28, 20, 12, 4, 20, 16, 12, 8, 4

- A. 22, 18, 14, 10, 6
- B. 40, 32, 24, 16, 8
- C. 27, 22, 17, 12, 7
- D. 16, 14, 12, 10, 8

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

30, 24, 18, 12, 6

- A. 25, 20, 15, 10, 5
- B. 35, 27, 19, 11, 3
- C. 29, 22, 15, 8, 1
- D. 29, 23, 17, 11, 5

Answers

- 1. **D**
- 2. **C**
- 3. **A**
- 4. **D**
- 5. **D**
- 6. **A**
- 7. **B**
- 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?

4, 9, 14, 19, 24

- A. 10, 20, 30, 40, 50
- B. 8, 18, 28, 38, 48
- C. 6, 16, 26, 36, 46
- D. 7, 12, 17, 22, 27

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

10, 19, 28, 37, 46

- A. 1, 3, 5, 7, 9
- B. 8, 17, 26, 35, 44
- C. 8, 10, 12, 14, 16
- D. 4, 11, 18, 25, 32

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

18, 16, 14, 12, 10

- A. 46, 36, 26, 16, 6
- B. 49, 39, 29, 19, 9
- C. 11, 9, 7, 5, 3
- D. 19, 15, 11, 7, 3

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

36, 29, 22, 15, 8

- A. 43, 34, 25, 16, 7
- B. 13, 10, 7, 4, 1
- C. 31, 24, 17, 10, 3
- D. 37, 29, 21, 13, 5

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

7, 16, 25, 34, 43

- A. 9, 18, 27, 36, 45
- B. 3, 7, 11, 15, 19
- C. 5, 10, 15, 20, 25
- D. 4, 7, 10, 13, 16

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

9, 7, 5, 3, 1

- A. 35, 28, 21, 14, 7
- B. 26, 21, 16, 11, 6
- C. 27, 22, 17, 12, 7
- D. 16, 14, 12, 10, 8

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

2, 12, 22, 32, 42

- A. 4, 14, 24, 34, 44
- B. 3, 10, 17, 24, 31
- C. 6, 8, 10, 12, 14
- D. 1, 7, 13, 19, 25

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

12, 10, 8, 6, 4

- A. 29, 24, 19, 14, 9
- B. 22, 17, 12, 7, 2
- C. 41, 31, 21, 11, 1
- D. 17, 15, 13, 11, 9

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

22, 19, 16, 13, 10

- A. 15, 12, 9, 6, 3
- B. 30, 24, 18, 12, 6
- C. 32, 26, 20, 14, 8
- D. 44, 35, 26, 17, 8

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

2, 4, 6, 8, 10

- A. 8, 13, 18, 23, 28
- B. 6, 10, 14, 18, 22
- C. 5, 7, 9, 11, 13
- D. 6, 11, 16, 21, 26

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



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

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

4, 9, 14, 19, 24

- A. 10, 20, 30, 40, 50
- B. 8, 18, 28, 38, 48
- C. 6, 16, 26, 36, 46
- D. 7, 12, 17, 22, 27

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

10, 19, 28, 37, 46

- A. 1, 3, 5, 7, 9
- B. 8, 17, 26, 35, 44
- C. 8, 10, 12, 14, 16
- D. 4, 11, 18, 25, 32

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

18, 16, 14, 12, 10

- A. 46, 36, 26, 16, 6
- B. 49, 39, 29, 19, 9
- C. 11, 9, 7, 5, 3
- D. 19, 15, 11, 7, 3

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

36, 29, 22, 15, 8

- A. 43, 34, 25, 16, 7
- B. 13, 10, 7, 4, 1
- C. 31, 24, 17, 10, 3
- D. 37, 29, 21, 13, 5

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

7, 16, 25, 34, 43

- A. 9, 18, 27, 36, 45
- B. 3, 7, 11, 15, 19
- C. 5, 10, 15, 20, 25
- D. 4, 7, 10, 13, 16

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

9, 7, 5, 3, 1

- A. 35, 28, 21, 14, 7
- B. 26, 21, 16, 11, 6
- C. 27, 22, 17, 12, 7
- D. 16, 14, 12, 10, 8

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

2, 12, 22, 32, 42

- A. 4, 14, 24, 34, 44
- B. 3, 10, 17, 24, 31
- C. 6, 8, 10, 12, 14
- D. 1, 7, 13, 19, 25

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

12, 10, 8, 6, 4

- A. 29, 24, 19, 14, 9
- B. 22, 17, 12, 7, 2
- C. 41, 31, 21, 11, 1
- D. 17, 15, 13, 11, 9

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

22, 19, 16, 13, 10

- A. 15, 12, 9, 6, 3
- B. 30, 24, 18, 12, 6
- C. 32, 26, 20, 14, 8
- D. 44, 35, 26, 17, 8

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

2, 4, 6, 8, 10

- A. 8, 13, 18, 23, 28
- B. 6, 10, 14, 18, 22
- C. 5, 7, 9, 11, 13
- D. 6, 11, 16, 21, 26

Answers

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



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

Answers

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

40, 31, 22, 13, 4

- A. 39, 30, 21, 12, 3
- B. 45, 35, 25, 15, 5
- C. 42, 32, 22, 12, 2
- D. 30, 23, 16, 9, 2

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

17, 14, 11, 8, 5

- A. 13, 10, 7, 4, 1
- B. 38, 31, 24, 17, 10
- C. 42, 32, 22, 12, 2
- D. 34, 28, 22, 16, 10

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

4, 6, 8, 10, 12

- A. 2, 6, 10, 14, 18
- B. 7, 12, 17, 22, 27
- C. 10, 12, 14, 16, 18
- D. 6, 11, 16, 21, 26

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

7, 15, 23, 31, 39

- A. 9, 12, 15, 18, 21
- B. 3, 13, 23, 33, 43
- C. 3, 12, 21, 30, 39
- D. 4, 12, 20, 28, 36

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

34, 27, 20, 13, 6

- A. 36, 29, 22, 15, 8
- B. 20, 16, 12, 8, 4
- C. 26, 20, 14, 8, 2
- D. 39, 31, 23, 15, 7

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

27, 22, 17, 12, 7

- A. 22, 17, 12, 7, 2
- B. 42, 33, 24, 15, 6
- C. 32, 25, 18, 11, 4
- D. 19, 15, 11, 7, 3

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

30, 23, 16, 9, 2

- A. 35, 28, 21, 14, 7
- B. 20, 17, 14, 11, 8
- C. 21, 16, 11, 6, 1
- D. 13, 11, 9, 7, 5

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

7, 9, 11, 13, 15

- A. 6, 12, 18, 24, 30
- B. 5, 7, 9, 11, 13
- C. 5, 11, 17, 23, 29
- D. 1, 6, 11, 16, 21

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

5, 9, 13, 17, 21

- A. 10, 14, 18, 22, 26
- B. 10, 13, 16, 19, 22
- C. 1, 8, 15, 22, 29
- D. 6, 12, 18, 24, 30

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

9, 19, 29, 39, 49

- A. 4, 10, 16, 22, 28
- B. 1, 11, 21, 31, 41
- C. 10, 13, 16, 19, 22
- D. 10, 14, 18, 22, 26

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



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

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

40, 31, 22, 13, 4

- A. 39, 30, 21, 12, 3
- B. 45, 35, 25, 15, 5
- C. 42, 32, 22, 12, 2
- D. 30, 23, 16, 9, 2

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

4, 6, 8, 10, 12

- A. 2, 6, 10, 14, 18
- B. 7, 12, 17, 22, 27
- C. 10, 12, 14, 16, 18
- D. 6, 11, 16, 21, 26

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

34, 27, 20, 13, 6

- A. 36, 29, 22, 15, 8
- B. 20, 16, 12, 8, 4
- C. 26, 20, 14, 8, 2
- D. 39, 31, 23, 15, 7

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

30, 23, 16, 9, 2

- A. 35, 28, 21, 14, 7
- B. 20, 17, 14, 11, 8
- C. 21, 16, 11, 6, 1
- D. 13, 11, 9, 7, 5

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

5, 9, 13, 17, 21

- A. 10, 14, 18, 22, 26
- B. 10, 13, 16, 19, 22
- C. 1, 8, 15, 22, 29
- D. 6, 12, 18, 24, 30

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

17, 14, 11, 8, 5

- A. 13, 10, 7, 4, 1
- B. 38, 31, 24, 17, 10
- C. 42, 32, 22, 12, 2
- D. 34, 28, 22, 16, 10

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

7, 15, 23, 31, 39

- A. 9, 12, 15, 18, 21
- B. 3, 13, 23, 33, 43
- C. 3, 12, 21, 30, 39
- D. 4, 12, 20, 28, 36

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

27, 22, 17, 12, 7

- A. 22, 17, 12, 7, 2
- B. 42, 33, 24, 15, 6
- C. 32, 25, 18, 11, 4
- D. 19, 15, 11, 7, 3

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

7, 9, 11, 13, 15

- A. 6, 12, 18, 24, 30
- B. 5, 7, 9, 11, 13
- C. 5, 11, 17, 23, 29
- D. 1, 6, 11, 16, 21

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

9, 19, 29, 39, 49

- A. 4, 10, 16, 22, 28
- B. 1, 11, 21, 31, 41
- C. 10, 13, 16, 19, 22
- D. 10, 14, 18, 22, 26

Answers

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

38 , 29 , 20 , 11 , 2

- A. 42 , 33 , 24 , 15 , 6
- B. 36 , 28 , 20 , 12 , 4
- C. 20 , 17 , 14 , 11 , 8
- D. 27 , 21 , 15 , 9 , 3

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

6 , 15 , 24 , 33 , 42

- A. 9 , 18 , 27 , 36 , 45
- B. 10 , 20 , 30 , 40 , 50
- C. 10 , 17 , 24 , 31 , 38
- D. 5 , 13 , 21 , 29 , 37

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

32 , 25 , 18 , 11 , 4

- A. 19 , 16 , 13 , 10 , 7
- B. 39 , 30 , 21 , 12 , 3
- C. 30 , 23 , 16 , 9 , 2
- D. 26 , 22 , 18 , 14 , 10

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

1 , 3 , 5 , 7 , 9

- A. 7 , 17 , 27 , 37 , 47
- B. 4 , 10 , 16 , 22 , 28
- C. 5 , 11 , 17 , 23 , 29
- D. 6 , 8 , 10 , 12 , 14

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

6 , 12 , 18 , 24 , 30

- A. 5 , 9 , 13 , 17 , 21
- B. 1 , 7 , 13 , 19 , 25
- C. 3 , 8 , 13 , 18 , 23
- D. 8 , 17 , 26 , 35 , 44

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

8 , 10 , 12 , 14 , 16

- A. 5 , 12 , 19 , 26 , 33
- B. 6 , 14 , 22 , 30 , 38
- C. 7 , 11 , 15 , 19 , 23
- D. 9 , 11 , 13 , 15 , 17

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

2 , 12 , 22 , 32 , 42

- A. 4 , 14 , 24 , 34 , 44
- B. 8 , 12 , 16 , 20 , 24
- C. 10 , 13 , 16 , 19 , 22
- D. 5 , 10 , 15 , 20 , 25

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

37 , 28 , 19 , 10 , 1

- A. 22 , 19 , 16 , 13 , 10
- B. 35 , 28 , 21 , 14 , 7
- C. 43 , 33 , 23 , 13 , 3
- D. 39 , 30 , 21 , 12 , 3

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

22 , 18 , 14 , 10 , 6

- A. 37 , 28 , 19 , 10 , 1
- B. 25 , 20 , 15 , 10 , 5
- C. 17 , 13 , 9 , 5 , 1
- D. 23 , 18 , 13 , 8 , 3

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

31 , 24 , 17 , 10 , 3

- A. 42 , 34 , 26 , 18 , 10
- B. 38 , 30 , 22 , 14 , 6
- C. 37 , 30 , 23 , 16 , 9
- D. 14 , 12 , 10 , 8 , 6

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



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

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

38, 29, 20, 11, 2

- A. 42, 33, 24, 15, 6
- B. 36, 28, 20, 12, 4
- C. 20, 17, 14, 11, 8
- D. 27, 21, 15, 9, 3

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

32, 25, 18, 11, 4

- A. 19, 16, 13, 10, 7
- B. 39, 30, 21, 12, 3
- C. 30, 23, 16, 9, 2
- D. 26, 22, 18, 14, 10

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

6, 12, 18, 24, 30

- A. 5, 9, 13, 17, 21
- B. 1, 7, 13, 19, 25
- C. 3, 8, 13, 18, 23
- D. 8, 17, 26, 35, 44

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

2, 12, 22, 32, 42

- A. 4, 14, 24, 34, 44
- B. 8, 12, 16, 20, 24
- C. 10, 13, 16, 19, 22
- D. 5, 10, 15, 20, 25

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

22, 18, 14, 10, 6

- A. 37, 28, 19, 10, 1
- B. 25, 20, 15, 10, 5
- C. 17, 13, 9, 5, 1
- D. 23, 18, 13, 8, 3

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

6, 15, 24, 33, 42

- A. 9, 18, 27, 36, 45
- B. 10, 20, 30, 40, 50
- C. 10, 17, 24, 31, 38
- D. 5, 13, 21, 29, 37

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

1, 3, 5, 7, 9

- A. 7, 17, 27, 37, 47
- B. 4, 10, 16, 22, 28
- C. 5, 11, 17, 23, 29
- D. 6, 8, 10, 12, 14

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

8, 10, 12, 14, 16

- A. 5, 12, 19, 26, 33
- B. 6, 14, 22, 30, 38
- C. 7, 11, 15, 19, 23
- D. 9, 11, 13, 15, 17

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

37, 28, 19, 10, 1

- A. 22, 19, 16, 13, 10
- B. 35, 28, 21, 14, 7
- C. 43, 33, 23, 13, 3
- D. 39, 30, 21, 12, 3

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

31, 24, 17, 10, 3

- A. 42, 34, 26, 18, 10
- B. 38, 30, 22, 14, 6
- C. 37, 30, 23, 16, 9
- D. 14, 12, 10, 8, 6

Answers

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

3, 12, 21, 30, 39

- A. 4, 6, 8, 10, 12
- B. 6, 16, 26, 36, 46
- C. 9, 18, 27, 36, 45
- D. 6, 9, 12, 15, 18

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

3, 5, 7, 9, 11

- A. 1, 10, 19, 28, 37
- B. 7, 16, 25, 34, 43
- C. 5, 7, 9, 11, 13
- D. 2, 5, 8, 11, 14

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

10, 18, 26, 34, 42

- A. 6, 9, 12, 15, 18
- B. 9, 16, 23, 30, 37
- C. 1, 6, 11, 16, 21
- D. 4, 12, 20, 28, 36

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

24, 20, 16, 12, 8

- A. 21, 17, 13, 9, 5
- B. 27, 22, 17, 12, 7
- C. 38, 30, 22, 14, 6
- D. 14, 11, 8, 5, 2

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

28, 22, 16, 10, 4

- A. 22, 19, 16, 13, 10
- B. 22, 18, 14, 10, 6
- C. 14, 12, 10, 8, 6
- D. 32, 26, 20, 14, 8

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

26, 20, 14, 8, 2

- A. 43, 34, 25, 16, 7
- B. 28, 22, 16, 10, 4
- C. 19, 15, 11, 7, 3
- D. 15, 12, 9, 6, 3

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

18, 15, 12, 9, 6

- A. 35, 27, 19, 11, 3
- B. 30, 25, 20, 15, 10
- C. 19, 16, 13, 10, 7
- D. 23, 18, 13, 8, 3

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

8, 11, 14, 17, 20

- A. 2, 10, 18, 26, 34
- B. 9, 12, 15, 18, 21
- C. 10, 18, 26, 34, 42
- D. 2, 7, 12, 17, 22

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

4, 10, 16, 22, 28

- A. 7, 10, 13, 16, 19
- B. 10, 12, 14, 16, 18
- C. 1, 7, 13, 19, 25
- D. 8, 16, 24, 32, 40

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

9, 12, 15, 18, 21

- A. 10, 13, 16, 19, 22
- B. 6, 13, 20, 27, 34
- C. 7, 11, 15, 19, 23
- D. 2, 9, 16, 23, 30

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



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

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

3, 12, 21, 30, 39

- A. 4, 6, 8, 10, 12
- B. 6, 16, 26, 36, 46
- C. 9, 18, 27, 36, 45
- D. 6, 9, 12, 15, 18

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

10, 18, 26, 34, 42

- A. 6, 9, 12, 15, 18
- B. 9, 16, 23, 30, 37
- C. 1, 6, 11, 16, 21
- D. 4, 12, 20, 28, 36

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

28, 22, 16, 10, 4

- A. 22, 19, 16, 13, 10
- B. 22, 18, 14, 10, 6
- C. 14, 12, 10, 8, 6
- D. 32, 26, 20, 14, 8

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

18, 15, 12, 9, 6

- A. 35, 27, 19, 11, 3
- B. 30, 25, 20, 15, 10
- C. 19, 16, 13, 10, 7
- D. 23, 18, 13, 8, 3

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

4, 10, 16, 22, 28

- A. 7, 10, 13, 16, 19
- B. 10, 12, 14, 16, 18
- C. 1, 7, 13, 19, 25
- D. 8, 16, 24, 32, 40

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

3, 5, 7, 9, 11

- A. 1, 10, 19, 28, 37
- B. 7, 16, 25, 34, 43
- C. 5, 7, 9, 11, 13
- D. 2, 5, 8, 11, 14

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

24, 20, 16, 12, 8

- A. 21, 17, 13, 9, 5
- B. 27, 22, 17, 12, 7
- C. 38, 30, 22, 14, 6
- D. 14, 11, 8, 5, 2

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

26, 20, 14, 8, 2

- A. 43, 34, 25, 16, 7
- B. 28, 22, 16, 10, 4
- C. 19, 15, 11, 7, 3
- D. 15, 12, 9, 6, 3

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

8, 11, 14, 17, 20

- A. 2, 10, 18, 26, 34
- B. 9, 12, 15, 18, 21
- C. 10, 18, 26, 34, 42
- D. 2, 7, 12, 17, 22

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

9, 12, 15, 18, 21

- A. 10, 13, 16, 19, 22
- B. 6, 13, 20, 27, 34
- C. 7, 11, 15, 19, 23
- D. 2, 9, 16, 23, 30

Answers

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

10, 14, 18, 22, 26

- A. 1, 4, 7, 10, 13
- B. 6, 14, 22, 30, 38
- C. 3, 13, 23, 33, 43
- D. 5, 9, 13, 17, 21

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

43, 34, 25, 16, 7

- A. 42, 33, 24, 15, 6
- B. 25, 19, 13, 7, 1
- C. 28, 22, 16, 10, 4
- D. 40, 32, 24, 16, 8

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

42, 32, 22, 12, 2

- A. 15, 13, 11, 9, 7
- B. 25, 20, 15, 10, 5
- C. 48, 38, 28, 18, 8
- D. 34, 27, 20, 13, 6

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

35, 27, 19, 11, 3

- A. 44, 34, 24, 14, 4
- B. 43, 34, 25, 16, 7
- C. 34, 28, 22, 16, 10
- D. 37, 29, 21, 13, 5

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

8, 10, 12, 14, 16

- A. 9, 12, 15, 18, 21
- B. 1, 7, 13, 19, 25
- C. 7, 15, 23, 31, 39
- D. 10, 12, 14, 16, 18

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

9, 11, 13, 15, 17

- A. 7, 9, 11, 13, 15
- B. 7, 17, 27, 37, 47
- C. 4, 8, 12, 16, 20
- D. 5, 12, 19, 26, 33

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

6, 8, 10, 12, 14

- A. 4, 14, 24, 34, 44
- B. 1, 3, 5, 7, 9
- C. 1, 6, 11, 16, 21
- D. 10, 17, 24, 31, 38

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

34, 27, 20, 13, 6

- A. 25, 21, 17, 13, 9
- B. 22, 17, 12, 7, 2
- C. 37, 29, 21, 13, 5
- D. 37, 30, 23, 16, 9

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

6, 11, 16, 21, 26

- A. 1, 7, 13, 19, 25
- B. 4, 9, 14, 19, 24
- C. 4, 13, 22, 31, 40
- D. 4, 7, 10, 13, 16

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

46, 37, 28, 19, 10

- A. 13, 10, 7, 4, 1
- B. 48, 38, 28, 18, 8
- C. 39, 30, 21, 12, 3
- D. 49, 39, 29, 19, 9

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



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

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

10, 14, 18, 22, 26

- A. 1, 4, 7, 10, 13
- B. 6, 14, 22, 30, 38
- C. 3, 13, 23, 33, 43
- D. 5, 9, 13, 17, 21

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

42, 32, 22, 12, 2

- A. 15, 13, 11, 9, 7
- B. 25, 20, 15, 10, 5
- C. 48, 38, 28, 18, 8
- D. 34, 27, 20, 13, 6

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

8, 10, 12, 14, 16

- A. 9, 12, 15, 18, 21
- B. 1, 7, 13, 19, 25
- C. 7, 15, 23, 31, 39
- D. 10, 12, 14, 16, 18

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

6, 8, 10, 12, 14

- A. 4, 14, 24, 34, 44
- B. 1, 3, 5, 7, 9
- C. 1, 6, 11, 16, 21
- D. 10, 17, 24, 31, 38

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

6, 11, 16, 21, 26

- A. 1, 7, 13, 19, 25
- B. 4, 9, 14, 19, 24
- C. 4, 13, 22, 31, 40
- D. 4, 7, 10, 13, 16

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

43, 34, 25, 16, 7

- A. 42, 33, 24, 15, 6
- B. 25, 19, 13, 7, 1
- C. 28, 22, 16, 10, 4
- D. 40, 32, 24, 16, 8

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

35, 27, 19, 11, 3

- A. 44, 34, 24, 14, 4
- B. 43, 34, 25, 16, 7
- C. 34, 28, 22, 16, 10
- D. 37, 29, 21, 13, 5

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

9, 11, 13, 15, 17

- A. 7, 9, 11, 13, 15
- B. 7, 17, 27, 37, 47
- C. 4, 8, 12, 16, 20
- D. 5, 12, 19, 26, 33

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

34, 27, 20, 13, 6

- A. 25, 21, 17, 13, 9
- B. 22, 17, 12, 7, 2
- C. 37, 29, 21, 13, 5
- D. 37, 30, 23, 16, 9

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

46, 37, 28, 19, 10

- A. 13, 10, 7, 4, 1
- B. 48, 38, 28, 18, 8
- C. 39, 30, 21, 12, 3
- D. 49, 39, 29, 19, 9

Answers

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

1, 3, 5, 7, 9

- A. 9, 16, 23, 30, 37
- B. 2, 6, 10, 14, 18
- C. 9, 11, 13, 15, 17
- D. 5, 13, 21, 29, 37

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

9, 19, 29, 39, 49

- A. 10, 17, 24, 31, 38
- B. 7, 14, 21, 28, 35
- C. 5, 15, 25, 35, 45
- D. 3, 6, 9, 12, 15

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

1, 9, 17, 25, 33

- A. 7, 15, 23, 31, 39
- B. 9, 14, 19, 24, 29
- C. 10, 16, 22, 28, 34
- D. 5, 10, 15, 20, 25

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

17, 15, 13, 11, 9

- A. 9, 7, 5, 3, 1
- B. 41, 32, 23, 14, 5
- C. 26, 21, 16, 11, 6
- D. 25, 20, 15, 10, 5

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

30, 25, 20, 15, 10

- A. 49, 39, 29, 19, 9
- B. 22, 17, 12, 7, 2
- C. 20, 17, 14, 11, 8
- D. 43, 34, 25, 16, 7

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

35, 27, 19, 11, 3

- A. 25, 19, 13, 7, 1
- B. 38, 30, 22, 14, 6
- C. 35, 28, 21, 14, 7
- D. 15, 13, 11, 9, 7

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

43, 34, 25, 16, 7

- A. 16, 13, 10, 7, 4
- B. 16, 14, 12, 10, 8
- C. 17, 13, 9, 5, 1
- D. 42, 33, 24, 15, 6

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

33, 27, 21, 15, 9

- A. 15, 13, 11, 9, 7
- B. 28, 23, 18, 13, 8
- C. 27, 21, 15, 9, 3
- D. 44, 35, 26, 17, 8

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

31, 24, 17, 10, 3

- A. 43, 34, 25, 16, 7
- B. 32, 25, 18, 11, 4
- C. 26, 20, 14, 8, 2
- D. 14, 11, 8, 5, 2

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

3, 9, 15, 21, 27

- A. 1, 11, 21, 31, 41
- B. 10, 12, 14, 16, 18
- C. 2, 6, 10, 14, 18
- D. 9, 15, 21, 27, 33

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



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

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

1, 3, 5, 7, 9

- A. 9, 16, 23, 30, 37
- B. 2, 6, 10, 14, 18
- C. 9, 11, 13, 15, 17
- D. 5, 13, 21, 29, 37

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

1, 9, 17, 25, 33

- A. 7, 15, 23, 31, 39
- B. 9, 14, 19, 24, 29
- C. 10, 16, 22, 28, 34
- D. 5, 10, 15, 20, 25

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

30, 25, 20, 15, 10

- A. 49, 39, 29, 19, 9
- B. 22, 17, 12, 7, 2
- C. 20, 17, 14, 11, 8
- D. 43, 34, 25, 16, 7

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

43, 34, 25, 16, 7

- A. 16, 13, 10, 7, 4
- B. 16, 14, 12, 10, 8
- C. 17, 13, 9, 5, 1
- D. 42, 33, 24, 15, 6

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

31, 24, 17, 10, 3

- A. 43, 34, 25, 16, 7
- B. 32, 25, 18, 11, 4
- C. 26, 20, 14, 8, 2
- D. 14, 11, 8, 5, 2

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

9, 19, 29, 39, 49

- A. 10, 17, 24, 31, 38
- B. 7, 14, 21, 28, 35
- C. 5, 15, 25, 35, 45
- D. 3, 6, 9, 12, 15

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

17, 15, 13, 11, 9

- A. 9, 7, 5, 3, 1
- B. 41, 32, 23, 14, 5
- C. 26, 21, 16, 11, 6
- D. 25, 20, 15, 10, 5

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

35, 27, 19, 11, 3

- A. 25, 19, 13, 7, 1
- B. 38, 30, 22, 14, 6
- C. 35, 28, 21, 14, 7
- D. 15, 13, 11, 9, 7

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

33, 27, 21, 15, 9

- A. 15, 13, 11, 9, 7
- B. 28, 23, 18, 13, 8
- C. 27, 21, 15, 9, 3
- D. 44, 35, 26, 17, 8

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

3, 9, 15, 21, 27

- A. 1, 11, 21, 31, 41
- B. 10, 12, 14, 16, 18
- C. 2, 6, 10, 14, 18
- D. 9, 15, 21, 27, 33

Answers

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



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

Answers

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

21, 16, 11, 6, 1

- A. 31, 24, 17, 10, 3
- B. 16, 13, 10, 7, 4
- C. 17, 14, 11, 8, 5
- D. 29, 24, 19, 14, 9

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

7, 13, 19, 25, 31

- A. 2, 11, 20, 29, 38
- B. 10, 14, 18, 22, 26
- C. 1, 7, 13, 19, 25
- D. 5, 7, 9, 11, 13

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

10, 16, 22, 28, 34

- A. 1, 9, 17, 25, 33
- B. 1, 11, 21, 31, 41
- C. 1, 10, 19, 28, 37
- D. 2, 8, 14, 20, 26

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

28, 23, 18, 13, 8

- A. 11, 9, 7, 5, 3
- B. 25, 20, 15, 10, 5
- C. 30, 23, 16, 9, 2
- D. 23, 19, 15, 11, 7

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

27, 22, 17, 12, 7

- A. 17, 15, 13, 11, 9
- B. 22, 17, 12, 7, 2
- C. 41, 33, 25, 17, 9
- D. 14, 12, 10, 8, 6

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

42, 32, 22, 12, 2

- A. 30, 24, 18, 12, 6
- B. 48, 38, 28, 18, 8
- C. 33, 27, 21, 15, 9
- D. 18, 15, 12, 9, 6

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

6, 11, 16, 21, 26

- A. 8, 15, 22, 29, 36
- B. 4, 13, 22, 31, 40
- C. 10, 12, 14, 16, 18
- D. 10, 15, 20, 25, 30

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

3, 8, 13, 18, 23

- A. 6, 12, 18, 24, 30
- B. 9, 12, 15, 18, 21
- C. 4, 9, 14, 19, 24
- D. 7, 13, 19, 25, 31

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

45, 36, 27, 18, 9

- A. 38, 30, 22, 14, 6
- B. 32, 26, 20, 14, 8
- C. 41, 32, 23, 14, 5
- D. 35, 27, 19, 11, 3

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

3, 5, 7, 9, 11

- A. 10, 12, 14, 16, 18
- B. 10, 13, 16, 19, 22
- C. 6, 9, 12, 15, 18
- D. 4, 9, 14, 19, 24

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



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

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- C. 4, 9, 14, 19, 24
- D. 7, 13, 19, 25, 31

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

3, 5, 7, 9, 11

- A. 10, 12, 14, 16, 18
- B. 10, 13, 16, 19, 22
- C. 6, 9, 12, 15, 18
- D. 4, 9, 14, 19, 24

Answers

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