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?

25 , 21 , 17 , 13 , 9

A. 22 , 18 , 14 , 10 , 6
B. 43 , 33 , 23 , 13 , 3
C. 42 , 34 , 26 , 18 , 10
D. 28 , 23 , 18 , 13 , 8

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

24 , 19 , 14 , 9 , 4

A. 18 , 15 , 12 , 9 , 6
B. 29 , 23 , 17 , 11 , 5
C. 25 , 20 , 15 , 10 , 5
D. 13 , 11 , 9 , 7 , 5

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

39 , 31 , 23 , 15 , 7

A. 29 , 24 , 19 , 14 , 9
B. 38 , 29 , 20 , 11 , 2
C. 40 , 32 , 24 , 16 , 8
D. 11 , 9 , 7 , 5 , 3

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

22 , 18 , 14 , 10 , 6

A. 48 , 38 , 28 , 18 , 8
B. 39 , 31 , 23 , 15 , 7
C. 26 , 22 , 18 , 14 , 10
D. 24 , 19 , 14 , 9 , 4

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

1 , 9 , 17 , 25 , 33

A. 3 , 11 , 19 , 27 , 35
B. 7 , 10 , 13 , 16 , 19
C. 4 , 13 , 22 , 31 , 40
D. 8 , 15 , 22 , 29 , 36

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

34 , 26 , 18 , 10 , 2

A. 33 , 25 , 17 , 9 , 1
B. 13 , 10 , 7 , 4 , 1
C. 21 , 18 , 15 , 12 , 9
D. 19 , 15 , 11 , 7 , 3

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

1 , 7 , 13 , 19 , 25

A. 4 , 9 , 14 , 19 , 24
B. 5 , 11 , 17 , 23 , 29
C. 9 , 11 , 13 , 15 , 17
D. 9 , 17 , 25 , 33 , 41

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

23 , 19 , 15 , 11 , 7

A. 15 , 12 , 9 , 6 , 3
B. 41 , 33 , 25 , 17 , 9
C. 33 , 26 , 19 , 12 , 5
D. 25 , 21 , 17 , 13 , 9

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

36 , 28 , 20 , 12 , 4

A. 33 , 25 , 17 , 9 , 1
B. 23 , 19 , 15 , 11 , 7
C. 19 , 15 , 11 , 7 , 3
D. 48 , 38 , 28 , 18 , 8

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

1 , 4 , 7 , 10 , 13

A. 6 , 12 , 18 , 24 , 30
B. 7 , 10 , 13 , 16 , 19
C. 7 , 13 , 19 , 25 , 31
D. 3 , 7 , 11 , 15 , 19

Answers

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

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

Determining Pattern Rule

Name: **Answer Key**

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

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

25 , 21 , 17 , 13 , 9

A. 22 , 18 , 14 , 10 , 6
B. 43 , 33 , 23 , 13 , 3
C. 42 , 34 , 26 , 18 , 10
D. 28 , 23 , 18 , 13 , 8

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

24 , 19 , 14 , 9 , 4

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B. 29 , 23 , 17 , 11 , 5
C. 25 , 20 , 15 , 10 , 5
D. 13 , 11 , 9 , 7 , 5

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A. 29 , 24 , 19 , 14 , 9
B. 38 , 29 , 20 , 11 , 2
C. 40 , 32 , 24 , 16 , 8
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4) Which choice uses the same addition rule as the pattern shown?

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A. 48 , 38 , 28 , 18 , 8
B. 39 , 31 , 23 , 15 , 7
C. 26 , 22 , 18 , 14 , 10
D. 24 , 19 , 14 , 9 , 4

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

1 , 9 , 17 , 25 , 33

A. 3 , 11 , 19 , 27 , 35
B. 7 , 10 , 13 , 16 , 19
C. 4 , 13 , 22 , 31 , 40
D. 8 , 15 , 22 , 29 , 36

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

34 , 26 , 18 , 10 , 2

A. 33 , 25 , 17 , 9 , 1
B. 13 , 10 , 7 , 4 , 1
C. 21 , 18 , 15 , 12 , 9
D. 19 , 15 , 11 , 7 , 3

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

1 , 7 , 13 , 19 , 25

A. 4 , 9 , 14 , 19 , 24
B. 5 , 11 , 17 , 23 , 29
C. 9 , 11 , 13 , 15 , 17
D. 9 , 17 , 25 , 33 , 41

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

23 , 19 , 15 , 11 , 7

A. 15 , 12 , 9 , 6 , 3
B. 41 , 33 , 25 , 17 , 9
C. 33 , 26 , 19 , 12 , 5
D. 25 , 21 , 17 , 13 , 9

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

36 , 28 , 20 , 12 , 4

A. 33 , 25 , 17 , 9 , 1
B. 23 , 19 , 15 , 11 , 7
C. 19 , 15 , 11 , 7 , 3
D. 48 , 38 , 28 , 18 , 8

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

1 , 4 , 7 , 10 , 13

A. 6 , 12 , 18 , 24 , 30
B. 7 , 10 , 13 , 16 , 19
C. 7 , 13 , 19 , 25 , 31
D. 3 , 7 , 11 , 15 , 19

Answers

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

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