



Name _____ Class _____ Date _____

1 A **sequence** is an ordered list of numbers.

True or false?

- A true
- B false

3 What is the **pattern** of the sequence, **1, 4, 9, 16, 25, 36...**?

- A Add a multiple of 3 to each number.
- B Double the number plus one.
- C Square the numbers 1, 2, 3, 4, 5, 6....
- D Multiply the numbers 1, 2, 3... by 2.5.

2 What is the **pattern** of the sequence, **1, 2.5, 4, 5.5, 7...**?

- A Every other number is listed.
- B Add 2.5 to every number.
- C The sum of the previous two numbers.
- D Add 1.5 to every number.

4 What is the **pattern** of the sequence, **3, 6, 11, 18...**?

- A Twice the numbers 1, 2, 3... plus one.
- B The numbers 1, 2, 3... squared plus two.
- C Three times the numbers 1, 2, 3...

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- B 28, 36, 44
- C 35, 48, 63
- D 30, 42, 56

- A 28
- B 56
- C 112
- D 224

9 A sequence starts at **100** and each number is **12** less than the one before. What is the **seventh** number in the sequence?

- A 16
- B 28
- C 52
- D 88

10 The sequence, **1, 1, 2, 3, 5, 8, 13, 21...** is called the **Fibonacci Sequence**. True or false?

- A true
- B false



ANSWER KEY

A **sequence** is an ordered list of numbers.

True or false?

- A true
- B false

(a)

What is the **pattern** of the sequence, **1, 2.5, 4, 5.5, 7...**?

- A Every other number is listed.
- B Add 2.5 to every number.
- C The sum of the previous two numbers.
- D Add 1.5 to every number.

(d)

What is the **pattern** of the sequence, **1, 4, 9, 16, 25, 36...**?

- A Add a multiple of 3 to each number.
- B Double the number plus one.
- C Square the numbers 1, 2, 3, 4, 5, 6....
- D Multiply the numbers 1, 2, 3... by 2.5.

(c)

What is the **pattern** of the sequence, **3, 6, 11, 18...**?

- A Twice the numbers 1, 2, 3... plus one.
- B The numbers 1, 2, 3... squared plus two.
- C Three times the numbers 1, 2, 3... minus 3.
- D Add the previous two numbers together.

(b)



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A sequence starts at **100** and each number is **12** less than the one before. What is the **seventh** number in the sequence?

- A 16
- B 28
- C 52
- D 88

(b)

The sequence, **1, 1, 2, 3, 5, 8, 13, 21...** is called the **Fibonacci Sequence**.

True or false?

- A true
- B false

(a)