



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 In this pattern, what number comes **next**?

4, 8, 12, 16, 20,



2 How can the following pattern be **described**?

5 15 45 135

- A Multiply by 5
- B Add 15
- C Multiply by 3
- D Add 10, 30, 50, etc.

3 In the pattern, what are the **next two numbers**?

2 3 6 11 18 ? ?

- A 23, 29
- B 27, 36

4 In this number series, the pattern is "each number is one and a half times larger than the previous one."

1, 2, 4, 7, 11, 16



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7 The number of people getting on the subway at the last stop?

- A 8      C 12
- B 9      D 16



- A 6, 9, 12
- B 5, 9, 14
- C 5, 8, 13
- D 7, 14, 21

9 The rule for this pattern is "add the next consecutive number starting with one."

2, 3, 5, 8, 12, 17...

- A true
- B false

10 A pattern of numbers is described as "each number is produced by adding the next consecutive even number to the previous number, starting at 2." What are the **first four numbers** in the pattern if the pattern starts at 7?





- A 7, 9, 11, 13      C 7, 9, 12, 16
- B 7, 9, 13, 19      D 7, 10, 13, 16



## ANSWER KEY

In this pattern, what number comes **next**?

4, 8, 12, 16, 20,

- A  16      C  24      (C)
- B  23      D  32

How can the following pattern be **described**?

5 15 45 135

- A Multiply by 5  
B Add 15  
C Multiply by 3  
D Add 10, 30, 50, etc.

(C)

In the pattern, what are the **next two numbers**?

2 3 6 11 18 ? ?

- A 23, 29  
B 27, 36  
C 23, 30

(d)

In this number series, the pattern is "each number is one and a half times larger than the previous one."

1, 2, 4, 7, 11, 16

- A  TRUE      B  FALSE

(b)



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- A 8      C 12  
B 9      D 16



- B 5, 9, 14  
C 5, 8, 13  
D 7, 14, 21

The rule for this pattern is "add the **next consecutive number starting with one**."

2, 3, 5, 8, 12, 17...

- A true  
B false

(b)

A pattern of numbers is described as "each number is produced by adding the **next consecutive even number** to the **previous number**, starting at 2." What are the **first four numbers** in the pattern if the pattern starts at 7?

- A 7, 9, 11, 13      C 7, 9, 12, 16  
B 7, 9, 13, 19      D 7, 10, 13, 16

(b)