



Name _____ Class _____ Date _____

1 A **permutation** is an arrangement of objects where **order does not matter**.

True or false?

- A true
- B false

2 There are **4 chairs** in a room and **4 visitors**. How many **permutations** can be made?

- A 8
- B 16
- C 24
- D 256

3 **Six** students need to go to the nurse. The teacher has them walk in a line. How many **permutations**, or possible orders, will there be?

4 What is the number of **permutations** that can be made from the letters in the word **TABLE**?

- A 3125



PREVIEW

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- B 2
- C 3
- D 6

CAI

- B 4
- C 5
- D 6

9 Rory wants a snack. He can choose from an **apple**, an **orange**, **cookies**, **chips**, or **pretzels**. If he picks **2** items, how many possible **combinations** are there?

- A 7
- B 10
- C 25
- D 50

10 D.J. can choose **cereal**, **eggs**, **pancakes** and **bagels** for breakfast. Since he is starving, he chooses **two** items. What is the **probability** that he chooses **eggs and pancakes**.

- A $\frac{1}{6}$
- B $\frac{1}{8}$
- C $\frac{1}{12}$
- D $\frac{1}{16}$



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(B)

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(C)

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(D)

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(B)

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5

(B)

7

(D)

B 2
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(B)

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(A)