Using Probability

Math

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

5

7

B 2
C 3
D 6

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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