



Name _____ Class _____ Date _____

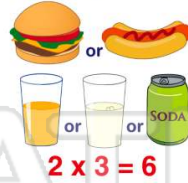
1 There are two main dishes: beef or chicken; three vegetables: corn, carrots or beans; and three desserts: cake, pie, or ice cream. **How many meal combinations are there?**

- A 8
- B 15
- C 18
- D 27



2 Using the **counting principle** means to take the number of different choices of items and multiply them together to get the total number of combinations.

- A true
- B false




3 You want to bake a cake. Your options are chocolate, vanilla, lemon, or carrot. Frosting choices are chocolate, vanilla, lemon, cream cheese, or whipped cream. Decorations can be sprinkles or **How many different**

4 In high school, you need to pick your schedule for the next year. You have a choice of 4 Science classes, 2 Math classes, 3 English classes, and 2 History classes. **How many different schedules**



PREVIEW

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7  A $\frac{1}{3}$ B $\frac{2}{3}$ C $\frac{1}{4}$ D $\frac{1}{6}$

- A true
- B false



9 You are picking from a deck of cards. **What is the probability of drawing a heart or a queen?**

- A $\frac{13}{52}$
- B $\frac{14}{52}$
- C $\frac{16}{52}$
- D $\frac{17}{52}$



10 When the **probability** of an event occurring is 1, it is **certain** to happen.

- A true
- B false



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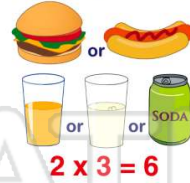
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(C)

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- A true
- B false



(A)

3 You want to bake a cake. Your options are chocolate, vanilla, lemon, or carrot. Frosting choices are chocolate, vanilla, lemon, cream cheese, or whipped cream. Decorations can be sprinkles or ~~red, white, and blue.~~

(D)

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(C)



(D)

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7

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B true B false

(B)

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(A)