



Name _____ Class _____ Date _____

- 1 What does ${}_7P_4$ equal?
- A 0
 - B 3^5
 - C 840
 - D 5040

- 2 How many arrangements can a 4-digit number be made from the numbers 2, 3, 4, 5, 6 using each number **once**?
- A 120
 - B 256
 - C 1024
 - D 3125

- 3 How many arrangements of a 6-subject schedule can be made from 8 subjects?
- A 48
 - B 720

- 4 How many different combinations can be made from picking 2 snacks out of chips, pretzels, nachos, and popcorn?
- A 2



PREVIEW

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- B 720
- C 5040
- D 30,240

- 12 36
- B $\frac{2}{12}$
 - D $\frac{2}{36}$

- 9 There are 7 green and 8 yellow marbles in a bag. If one is picked, replaced and then another one is picked, what is the probability of picking two greens?
- A $\frac{7}{15}$
 - B $\frac{7}{30}$
 - C $\frac{14}{30}$
 - D $\frac{49}{225}$
-

- 10 If a six-sided die is rolled and a coin is flipped, what is the probability getting a 2 or 4 and a head?
- A $\frac{1}{4}$
 - B $\frac{1}{5}$
 - C $\frac{1}{6}$
 - D $\frac{1}{8}$
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(C)

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(A)

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(D)

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(C)

5



(B)

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(D)

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