

CHAPTER

11

Quiz

Lessons 11-1 to 11-4

Select the best answer.

- A bank requires that its customers create a PIN to access their account. The PIN must be 2 letters followed by 2 numbers. How many unique PINs are there?
A 520 **C** 67,600
B 10,000
- When making a fruit salad, a chef chooses 4 fruits from 8 that are in season. How many different fruit salads can the chef create?
F 70 **H** 10,080
G 1680
- A debate team surveyed its members' ages, resulting in the data set: 15, 16, 15, 17, 15, 16, 14, 16, 14, 17, 15, 15, 16, 16, 17. What is the experimental probability that a member chosen at random is younger than 16?
A 0.200 **C** 0.467
B 0.333
- Jillene wrapped 5 gifts for her 5 cousins. If she gives them out randomly, what is the probability that every cousin gets the right present?
F $\frac{1}{120}$ **H** $\frac{1}{5}$
G $\frac{1}{25}$
- A circle with a radius of 1 in. is inscribed in a right triangle with legs of 3 in. and 4 in. If a point is randomly chosen within the triangle, what is the probability that the point is NOT also in the circle?
A $\frac{\pi}{12}$ **C** $1 - \frac{\pi}{6}$
B $\frac{\pi}{6}$
- Using a fair coin and a fair six-sided number cube, what is the probability of tossing tails and rolling a multiple of 3?
F $\frac{1}{6}$ **H** $\frac{1}{2}$
G $\frac{3}{8}$
- A DJ for a school dance has a CD with 6 slow songs and 5 fast songs on it. As he plays each song he removes it from the play list. What is the probability that the first two songs he plays are slow?
A $\frac{3}{11}$ **C** $\frac{36}{121}$
B $\frac{30}{121}$
- If 6 friends go out for dinner and order from a menu of 8 different sandwiches what is the probability that at least 2 of the group order the same sandwich?
F 0.0769 **H** 0.9231
G 0.7500
- A movie company surveyed 1000 people. Of these, 229 people said they went to see the new movie on Friday, and 256 said they went on Saturday. If 24 people saw the movie both nights, what is the probability that a person chosen at random saw the movie on Friday or Saturday?
A 0.437 **C** 0.485
B 0.461
- Every human has blood type A, B, O or AB. $\frac{1}{10}$ have type B and $\frac{23}{50}$ have type O. What is the probability that someone has blood type A or AB?
F 0.44 **H** 0.56
G 0.48

CHAPTER 11

Section Quiz Lessons 11-1 Through 11-4

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|------|-------|
| 1. C | 6. F |
| 2. F | 7. A |
| 3. C | 8. H |
| 4. F | 9. B |
| 5. C | 10. F |