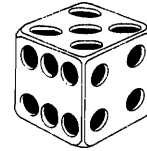


When the Boy Tire Maker Married the Girl Tire Maker, What Did Everyone Say?

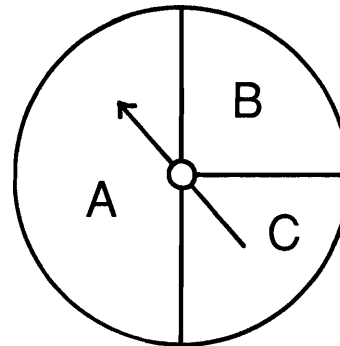
Do each exercise and find your answer at the bottom of the page. Write the letter of the exercise in the box above the answer.

1. Suppose you roll a regular 6-faced die.



- (A) How many equally likely outcomes are there?
- (E) If you roll the die once, what is the probability of rolling a 3?
- (H) If you roll the die 60 times, about how many times would you expect to get a 1?
- (I) If you roll the die 300 times, about how many times would you expect to get a 5?

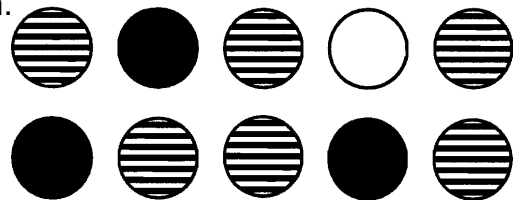
2. A spinner is shown at the right for which each outcome is **not** equally likely.



- (E) If you spin the spinner once, what is the probability that it will stop on A?
- (A) If you spin the spinner once, what is the probability that it will stop on B?
- (T) If you spin the spinner 50 times, about how many times would you expect it to stop on A?
- (Y) If you spin the spinner 80 times, about how many times would you expect it to stop on C?

3. Find each probability if you choose one marble at random.

- (E) P(black)
- (S) P(striped)
- (A) P(not black)
- (E) P(not white)
- (R) P(black or white)
- (M) P(yellow)



4. Solve.

- (N) If you flip a coin 150 times, about how many times would you expect to get heads?
- (K) If you randomly pick a date in April, how many equally likely outcomes are there?
- (C) The letters a, e, i, o, u, and y are vowels. If one letter of the alphabet is chosen at random, what is the probability it is a vowel?
- (P) A magician asks you to pick a card, any card, from a standard deck of 52 cards. What is the probability of picking an ace?

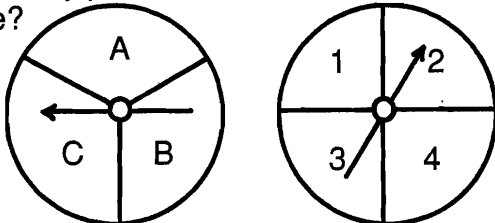
25	10	$\frac{9}{10}$	20	$\frac{1}{8}$	0	6	30	$\frac{1}{2}$	$\frac{2}{13}$	$\frac{7}{10}$	$\frac{1}{5}$	75	50	$\frac{3}{13}$	$\frac{1}{6}$	32	$\frac{3}{5}$	$\frac{1}{13}$	$\frac{1}{4}$	$\frac{2}{5}$	$\frac{3}{10}$
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Why Was Jesse James In the Hospital?



Find each answer in the code at the bottom of the page. Write the letter of the problem above the answer each time it appears.

- (I) If you spin each of these spinners once, how many possible outcomes are there?



- (E) The students at Melmac Middle School are trying to choose a school mascot and a school color. The suggestions for mascot are lion, bear, and porpoise. The suggestions for color are red, blue, and gold. How many different combinations are there?

- (R) Mr. and Mrs. Quagmire are trying to decide on a name for their new baby girl. For a first name, they like either Melissa, Jennifer, Karen, Lisa, or Susan. For a middle name, they like either Anne or Jean. How many different choices do they have?

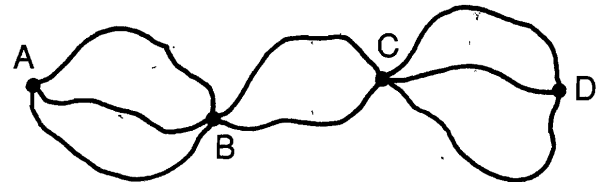
- (A) Elmo decided to take two classes during summer school. For first period, he can choose either math or English. For second period, he can choose either art, music, drama, or cooking. How many different schedules of two classes are possible?

- (C) If a baseball team has 5 pitchers and 3 catchers, how many different pitcher-catcher combinations can be used?

- (H) Glitzy just bought 4 blouses, 5 skirts, and 2 blazers. If all the patterns and colors match, how many outfits can she make?

- (T) Pizza Mind Pizza Parlor has 8 kinds of pizza, 3 kinds of salad, and 4 kinds of beverage. If you order one item from each category, how many different meals can be ordered?

- (W) According to the map, how many different routes are there from A to D?



- (O) Shoe World sells shoes in 20 different styles. Each style comes in 4 colors and 9 sizes. If the store manager wants to have every possible combination, how many pairs must he keep in stock?

- (K) In Cornville, bicycle license plates have 2 letters followed by a 1-digit number. How many different license plates are possible?

- (S) When you order a sandwich at Nelly's Deli, you can choose from 4 kinds of bread and 7 kinds of meat. On any sandwich, you can have mayonnaise or mustard or both or neither. How many different sandwiches can be ordered?

CODED ANSWER

40 9 92 18 8 112 880 8 24 112 12 15 6,760 6 112 40 720 720 96 9 10