

If you have 4 red marbles, 3 green marbles and 7 yellow ones, what is the probability that you will draw a red marble?

May 7-8:14 AM

What is the probability when rolling one dice two times that you get a 2 the first time and a 5 the second time?

May 7-8:15 AM

If you roll a dice three times, what is the probability that you will roll a 1 all three times?

May 7-8:16 AM

A bag of marbles contains 3 red, 5 orange, and 4 blue marbles. What is the probability of randomly selecting a marble that is not blue?

May 7-8:17 AM

If 3 out of 5 people prefer pizza over chicken, how many people out of 100 would prefer pizza?

May 7-8:27 AM

If you have 4 shirts, 3 pairs of pants and 5 pairs of shoes, how many outfits can you make?

May 7-8:28 AM

Using a regular number cube:
 $P(\text{rolling an even number; then rolling a number } > 4)$

May 7-8:30 AM

Using a coin and a dice.
 $P(\text{heads, tails, then a 5})$

May 7-11:19 AM

Draw a tree diagram to show all of the possible outcomes of spinning a 4 section spinner with red, blue, green and yellow and flipping a coin?

May 7-12:06 PM

How many possible dinner choices are there if you select one from each category? 4 entrees, 3 drinks, and 4 desserts

May 7-2:54 PM

If you have a red pen, a blue pen and a green pen and you randomly select one from your backpack 6 times and get the red pen twice, how do the experimental and theoretical probabilities of getting a red pen compare?

May 7-2:56 PM

At Hightower $\frac{3}{4}$ of all students have a music class and $\frac{1}{2}$ of all students are in PE. If a student is picked at random, what is the probability that they will have music and PE?

May 7-2:59 PM

Make a table showing all the possible outcomes of rolling two dice.

May 7-3:09 PM

If Debra has 4 skirts, 10 shirts, and 5 scarves how many possible combinations of outfits can she create?

May 7-3:33 PM

A bag of m & m's contains red, green, blue and orange candies. $\frac{3}{5}$ of the bag is red and green and $\frac{1}{3}$ of the bag is blue, what is the probability of picking an orange m&m?

May 7-3:36 PM

ANSWER KEY

1. $\frac{2}{7}$
2. $\frac{1}{36}$
3. $\frac{1}{216}$
4. $\frac{2}{3}$
5. 60 people
6. 60 outfits
7. $\frac{1}{6}$
8. $\frac{1}{24}$

9. R..H,T
B..H,T
G..H,T
Y..H,T
10. 48 choices
11. the probabilities are the same $\frac{1}{3}$
12. $\frac{3}{8}$
13. see table on study guide question #20
14. 200 outfits
15. $\frac{1}{15}$ orange

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