



#1

Ethan has a family of 17 people. 7 of them are female. If Ethan was to randomly choose one with their eyes closed, what probability will it be that the chosen person is female? Simplify your answer and write it as a fraction or whole number.

$$P(\text{female}) = ?$$

$\frac{7}{17}$

$\frac{7}{8}$

$\frac{7}{10}$

$\frac{1}{8}$

Show your work

#2

Of 5 shirts, 1 of them are black. If Cameron randomly chooses a shirt, what is the probability that it will be black? Simplify your answer and write it as a fraction or whole number.

$$P(\text{black}) = ?$$

$\frac{1}{5}$

$\frac{7}{10}$

$\frac{1}{8}$

$\frac{4}{5}$

Show your work

#3

In a statistics class there are 17 students, 9 of them are repeating the class. If you were to randomly sit beside someone, what is the probability they are repeating the class?

$$P(\text{repeating}) = \boxed{}$$

Show your work



#4

On a cheese platter there are 14 slices of cheese. The host tells you that 8 of those slices are of your favorite cheese. Sadly all the cheese looks the same, and it will be up to chance. What is the probability you will choose a slice of your favorite cheese? Simplify your answer and write it as a fraction or whole number.

$$P(\text{favorite cheese}) = \boxed{}$$

Show your work

#5

It is jacket seasons and you're thrilled to have another layering choice. Out of your 11 jackets 4 of them are stuffed with goose feathers. If you randomly choose a jacket to wear, what is the probability it will be stuffed with goose feathers? Simplify your answer and write it as a fraction or whole number.

$$P(\text{goose}) = \boxed{}$$

Show your work

#6

In a statistics class there are 10 students, 6 of them are repeating the class. If you were to randomly sit beside someone, what is the probability they are repeating the class?

$$P(\text{repeating}) = \boxed{}$$

Show your work



#7

In a fruit drawer of 16 fruits, only 8 are plums. Makayla wants a plum. What is the probability she will pick a plum if it is done randomly? Simplify your answer and write it as a fraction or whole number.

$$P(\text{plum}) = ?$$

$\frac{1}{9}$

$\frac{5}{7}$

$\frac{3}{10}$

$\frac{1}{2}$

Show your work

#8

You want to rock a pair of your sweet kicks. Out of 14 pairs of shoes, 6 are high-tops. If you randomly choose a pair, what is the probability they will be high-tops? Simplify your answer and write it as a fraction or whole number.

$$P(\text{high-tops}) = \boxed{}$$

Show your work

#9

Of 17 shirts, 2 of them are black. If Lauren randomly chooses a shirt, what is the probability that it will be black? Simplify your answer and write it as a fraction or whole number.

$$P(\text{black}) = ?$$

$\frac{2}{17}$

$\frac{1}{8}$

$\frac{9}{10}$

$\frac{1}{3}$

Show your work



#10

You want to rock a pair of your sweet kicks. Out of 11 pairs of shoes, 6 are high-tops. If you randomly choose a pair, what is the probability they will be high-tops? Simplify your answer and write it as a fraction or whole number.

$$P(\text{high-tops}) = \boxed{}$$

Show your work

#11

It is jacket season and you're thrilled to have another layering choice. Out of your 7 jackets 5 of them are stuffed with goose feathers. If you randomly choose a jacket to wear, what is the probability it will be stuffed with goose feathers? Simplify your answer and write it as a fraction or whole number.

$$P(\text{goose}) = ?$$

$\frac{5}{7}$

$\frac{1}{2}$

$\frac{4}{7}$

$\frac{1}{5}$

Show your work

#12

You want to rock a pair of your sweet kicks. Out of 17 pairs of shoes, 2 are high-tops. If you randomly choose a pair, what is the probability they will be high-tops? Simplify your answer and write it as a fraction or whole number.

$$P(\text{high-tops}) = \boxed{}$$

Show your work

Question	Answer
#1	$7/17$
#2	$1/5$
#3	$9/17$
#4	$4/7$
#5	$4/11$
#6	$3/5$
#7	$1/2$
#8	$3/7$
#9	$2/17$
#10	$6/11$
#11	$5/7$
#12	$2/17$