#1

Kaitlyn has a family of 12 people. 7 of them are female. If Kaitlyn 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.

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

- $\frac{8}{9}$
- $\frac{7}{12}$
- $\frac{9}{10}$
- $\frac{3}{4}$

Show your work

#2

As a punishment for hitting her brother, Lily must let him choose one of her toys at random. If Lily has 11 toys, and only likes 2 of them, what is the probability her brother will choose a toy Lily likes? Simplify your answer and write it as a fraction or whole number.

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

- $\frac{4}{7}$
- $\frac{2}{11}$
- $\frac{2}{7}$
- $\frac{1}{4}$

Show your work

#3

In a statistics class there are 7 students, 7 of them are repeating the class. If you were to randomly sit beside someone, what is the probability they are repeating the class?

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

- 1
- 13
- 0
- 2

Show your work

#4

Sydney has a container of 13 marbles, 7 of which are silver. If Sydney shakes the bag until one marble randomly falls out, what is the probability that marble will be silver? Simplify your answer and write it as a fraction or whole number.

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

- ○ $\frac{1}{9}$
- ○ $\frac{2}{3}$
- ○ $\frac{2}{9}$
- ○ $\frac{7}{13}$

Show your work

#5

As a punishment for hitting her brother, Madison must let him choose one of her toys at random. If Madison has 18 toys, and only likes 2 of them, what is the probability her brother will choose a toy Madison likes? Simplify your answer and write it as a fraction or whole number.

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

- ○ $\frac{4}{9}$
- ○ $\frac{1}{9}$
- ○ $\frac{1}{7}$
- ○ $\frac{3}{10}$

Show your work

#6

Ryan has a container of 19 marbles, 9 of which are silver. If Ryan shakes the bag until one marble randomly falls out, what is the probability that marble will be silver? Simplify your answer and write it as a fraction or whole number.

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

- ○ $\frac{7}{10}$
- ○ $\frac{1}{8}$
- ○ $\frac{4}{5}$
- ○ $\frac{9}{19}$

Show your work

#7

You want to rock a pair of your sweet kicks. Out of 15 pairs of shoes, 5 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.

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

- ○ $\frac{2}{7}$
- ○ $\frac{1}{3}$
- ○ $\frac{2}{5}$
- ○ $\frac{2}{9}$

Show your work

#8

It is jacket seasons and you're thrilled to have another layering choice. Out of your 18 jackets 6 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.

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

- ○ $\frac{1}{8}$
- ○ $\frac{2}{7}$
- ○ $\frac{3}{10}$
- ○ $\frac{1}{3}$

Show your work

#9

On a cheese platter there are 14 slices of cheese. The host tells you that 7 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.

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

- ○ $\frac{1}{8}$
- ○ $\frac{1}{2}$
- ○ $\frac{8}{9}$
- ○ $\frac{3}{4}$

Show your work

#10

You want to rock a pair of your sweet kicks. Out of 12 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.

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

- ○ $\frac{1}{9}$
- ○ $\frac{1}{2}$
- ○ $\frac{5}{6}$
- ○ $\frac{2}{9}$

Show your work

#11

Addison has a container of 6 marbles, 4 of which are silver. If Addison shakes the bag until one marble randomly falls out, what is the probability that marble will be silver? Simplify your answer and write it as a fraction or whole number.

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

- ○ $\frac{1}{3}$
- ○ $\frac{1}{4}$
- ○ $\frac{1}{5}$
- ○ $\frac{2}{3}$

Show your work

#12

Owen covers his favorite backpack in colourful buttons. Out of the 19 buttons 5 of them are sparkly. If one randomly fell off on the way to school, what is the probability it would be a sparkly button? Simplify your answer and write it as a fraction or whole number.

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

- ○ $\frac{1}{8}$
- ○ $\frac{2}{3}$
- ○ $\frac{5}{19}$
- ○ $\frac{3}{8}$

Show your work

Question	Answer
#1	7/12
#2	2/11
#3	1
#4	7/13
#5	1/9
#6	9/19
#7	1/3
#8	1/3
#9	1/2
#10	1/2
#11	2/3
#12	5/19