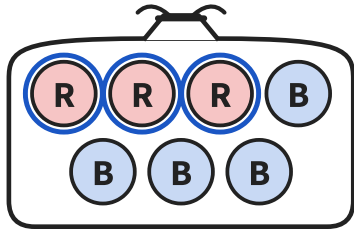


Probability of a Single Event

ANSWERS

1

One counter is taken at random.
Find $P(\text{red})$.

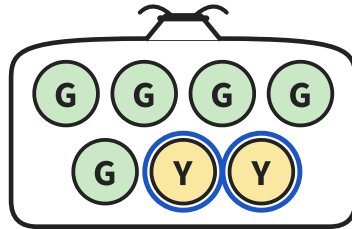


$$P(\text{red}) = \frac{3}{7}$$

counters that are red
all the counters

2

One counter is taken at random.
Find $P(\text{yellow})$.

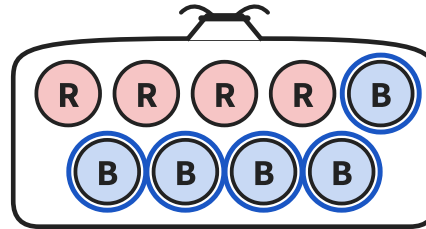


$$P(\text{yellow}) = \frac{2}{7}$$

counters that are yellow
all the counters

3

One counter is taken at random.
Find $P(\text{blue})$.

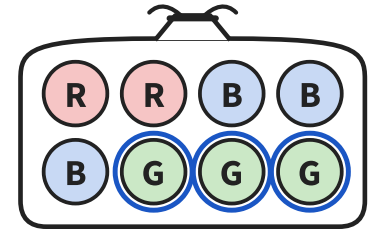


$$P(\text{blue}) = \frac{4}{9}$$

counters that are blue
all the counters

4

One counter is taken at random.
Find $P(\text{green})$.

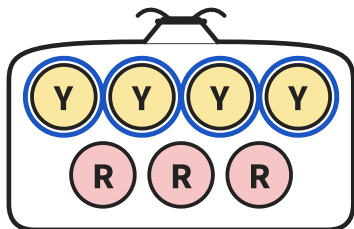


$$P(\text{green}) = \frac{3}{8}$$

counters that are green
all the counters

5

One counter is taken at random.
Find $P(\text{yellow})$.

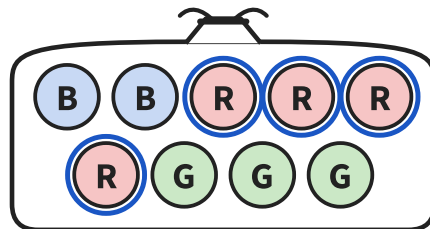


$$P(\text{yellow}) = \frac{4}{7}$$

counters that are yellow
all the counters

6

One counter is taken at random.
Find $P(\text{red})$.

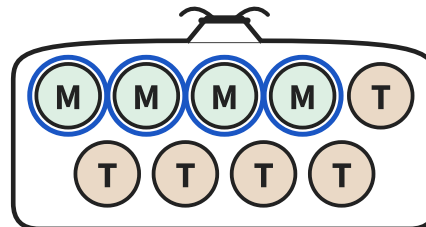


$$P(\text{red}) = \frac{3}{9}$$

counters that are red
all the counters

7

A bag has mints (M) and toffees (T).
Sam takes one at random.
Find $P(\text{mint})$.

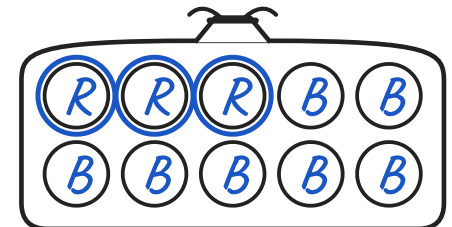


$$P(\text{mint}) = \frac{4}{9}$$

sweets that are mints
all the sweets

8

Write R or B on each counter to make
 $P(\text{red}) = \frac{3}{10}$.



$$P(\text{red}) = \frac{3}{10}$$

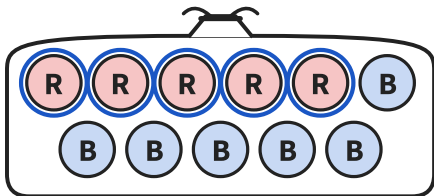
counters that are red
all the counters

Probability of a Single Event *further practice*

ANSWERS

9

One counter is taken at random.
Find $P(\text{red})$.

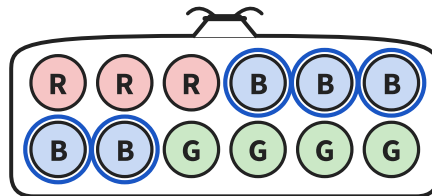


$$P(\text{red}) = \frac{\boxed{5}}{\boxed{11}}$$

counters that are red
all the counters

10

One counter is taken at random.
Find $P(\text{blue})$.

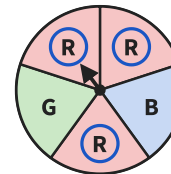


$$P(\text{blue}) = \frac{\boxed{5}}{\boxed{12}}$$

counters that are blue
all the counters

11

This fair spinner is spun once.
Find $P(\text{red})$.

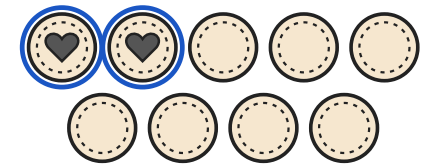


$$P(\text{red}) = \frac{\boxed{2}}{\boxed{5}}$$

sections that are red
all the sections

12

Jo takes one biscuit at random from this tin. Find $P(\text{jam})$.



$$P(\text{jam}) = \frac{\boxed{2}}{\boxed{9}}$$

biscuits that are jam
all the biscuits

13

A fair dice is rolled. Find $P(5)$.



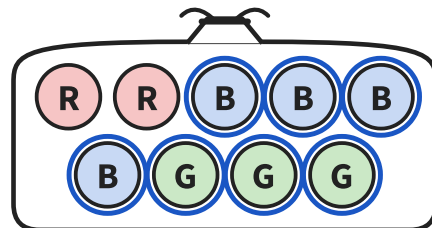
All: 6

Ones you want: 1

Answer $\frac{1}{6}$

14

One counter is taken at random.
Find $P(\text{not red})$.



All: 9

Not red: $4 + 3 = 7$

Answer $\frac{7}{9}$

15

Kim picks one of these cards at random. Find $P(\text{heart})$.



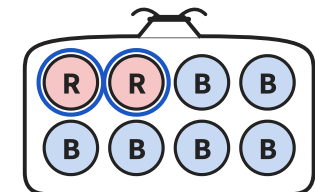
All: 8

Hearts: 5

Answer $\frac{5}{8}$

16

Sam says $P(\text{red}) = \frac{2}{6}$. What has Sam done wrong?



The bottom should be

all 8 counters, not 6.

Right answer $\frac{2}{8}$ or $\frac{1}{4}$