Lesson 6- Probability

What do you need?

Pen and Paper

Blue Zone	Green Zone	Yellow Zone	Red Zone
Going slow	Good to go	Caution Starting to lose control	Stop! Out of control
E.g. sad, sick, tired, bored	E.g. happy, calm, focused, ok	E.g. worried, excited, annoyed	E.g. angry, terrified, elated

Probabilities can be written as fractions using this simple method

Probability = $\dfrac{\text{Number of successful outcomes}}{\text{Total Possible number of outcomes}}$
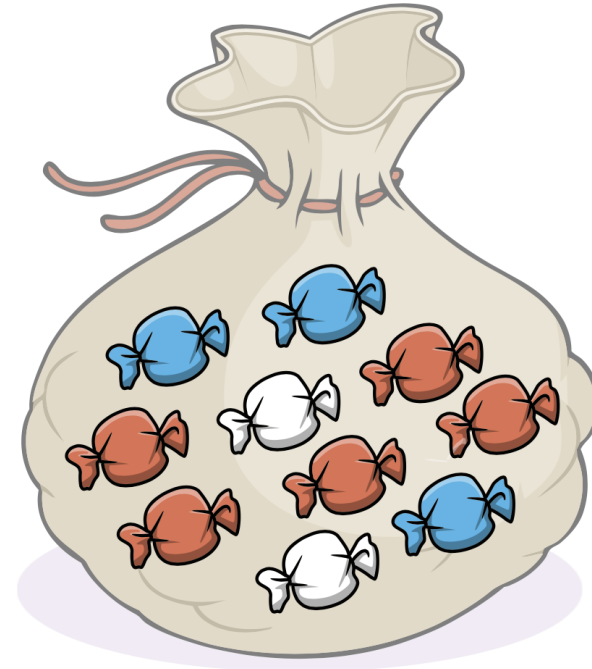

For example:
There are 6 red circles, and 3 blue circles.
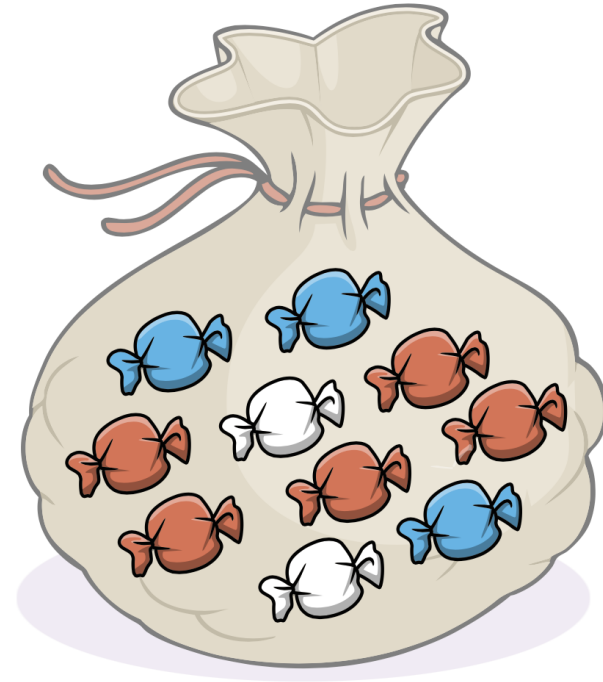The probability of choosing a red is $\dfrac{6}{9}$

In this bag there are 10 sweets.
Ryan takes one out and eats it.
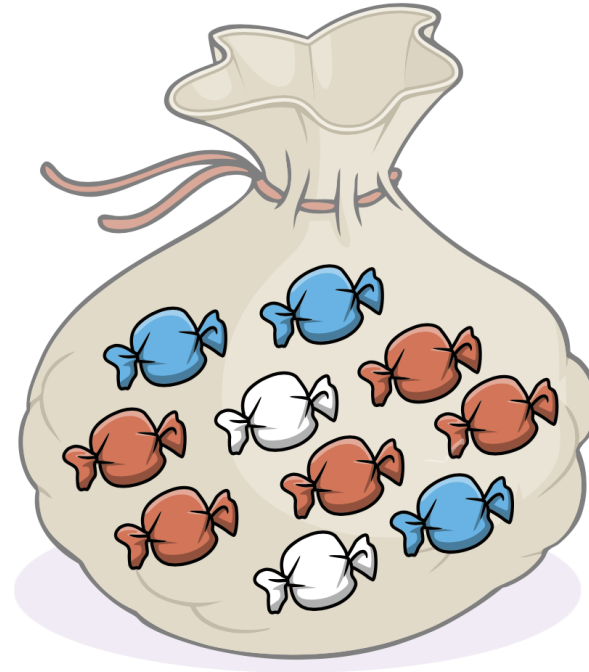
What is the probability that it is red?

In this bag there are 10 sweets.
Ryan takes one out and eats it.

What is the probability that it is blue?

In this bag there are 10 sweets.
Ryan takes one out and eats it.

What is the probability that it is white?

A fair, six-sided dice is rolled.

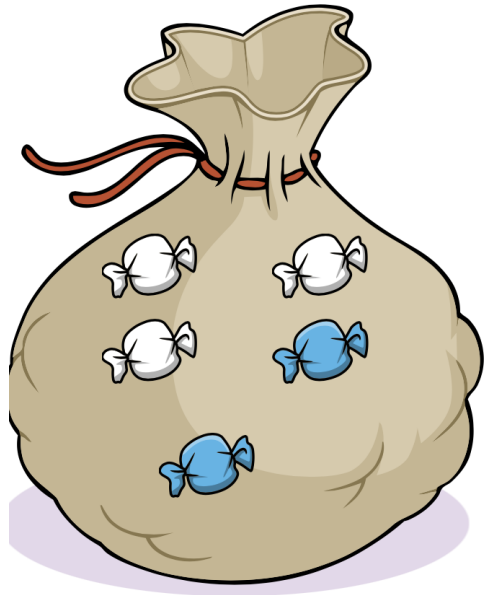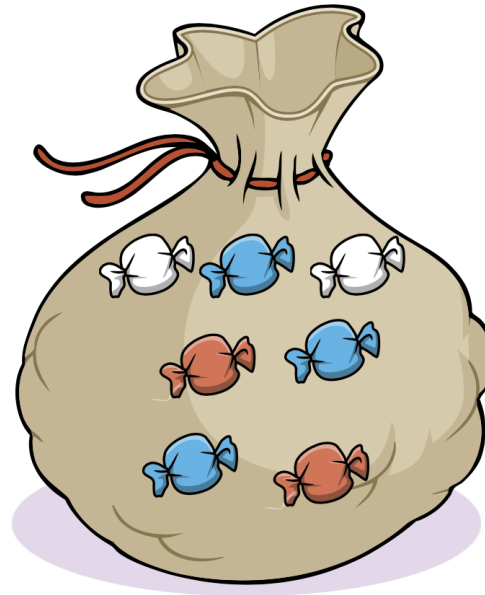What is the probability of rolling:

A three

C less than 5

What is the probablity of getting
each colour in these bags of sweets?

white = —
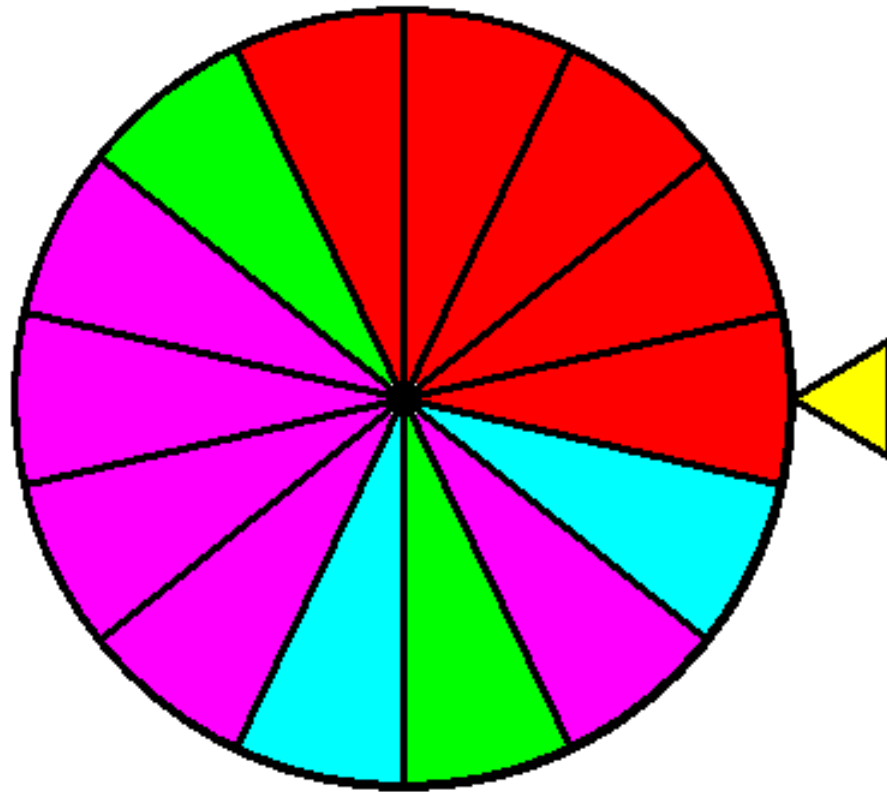
blue = —

white = —

blue = —

red = —

1

What is the probability of the spinner landing on RED?

a: $\dfrac{6}{14}$

b: $\dfrac{9}{14}$

c: $\dfrac{12}{14}$

d: $\dfrac{5}{14}$

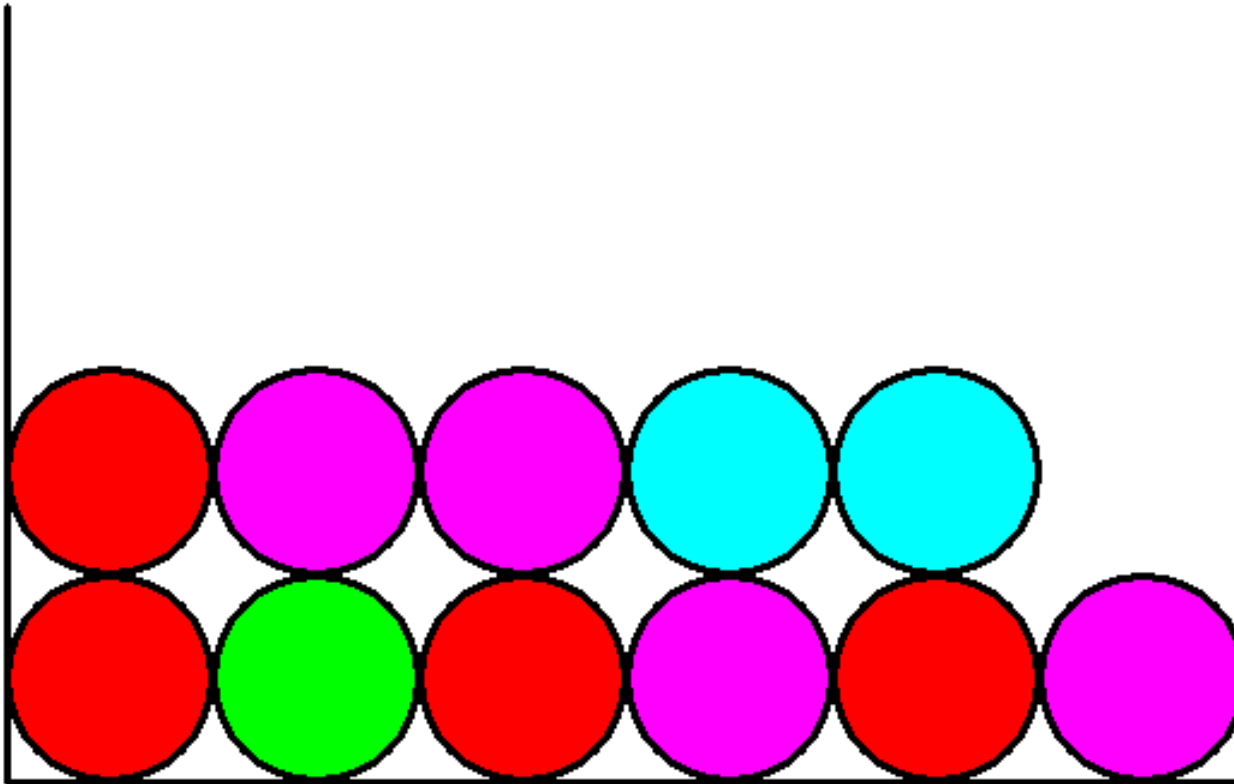What is the probablitiy of picking a RED counter?

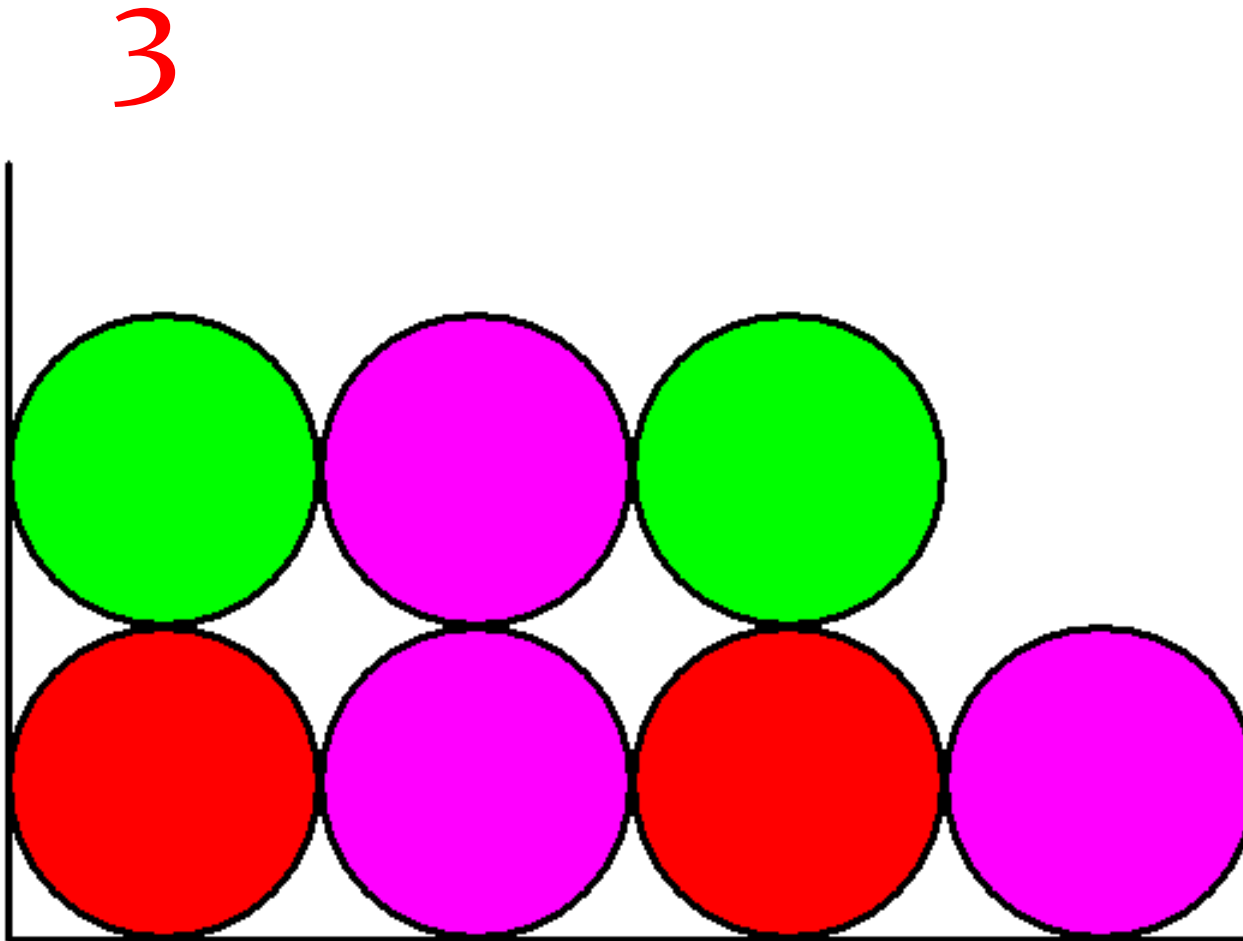**2**

a: $\dfrac{4}{11}$

b: $\dfrac{2}{11}$

c: $\dfrac{12}{14}$

d: $\dfrac{8}{11}$

What is the probability of picking a GREEN counter?
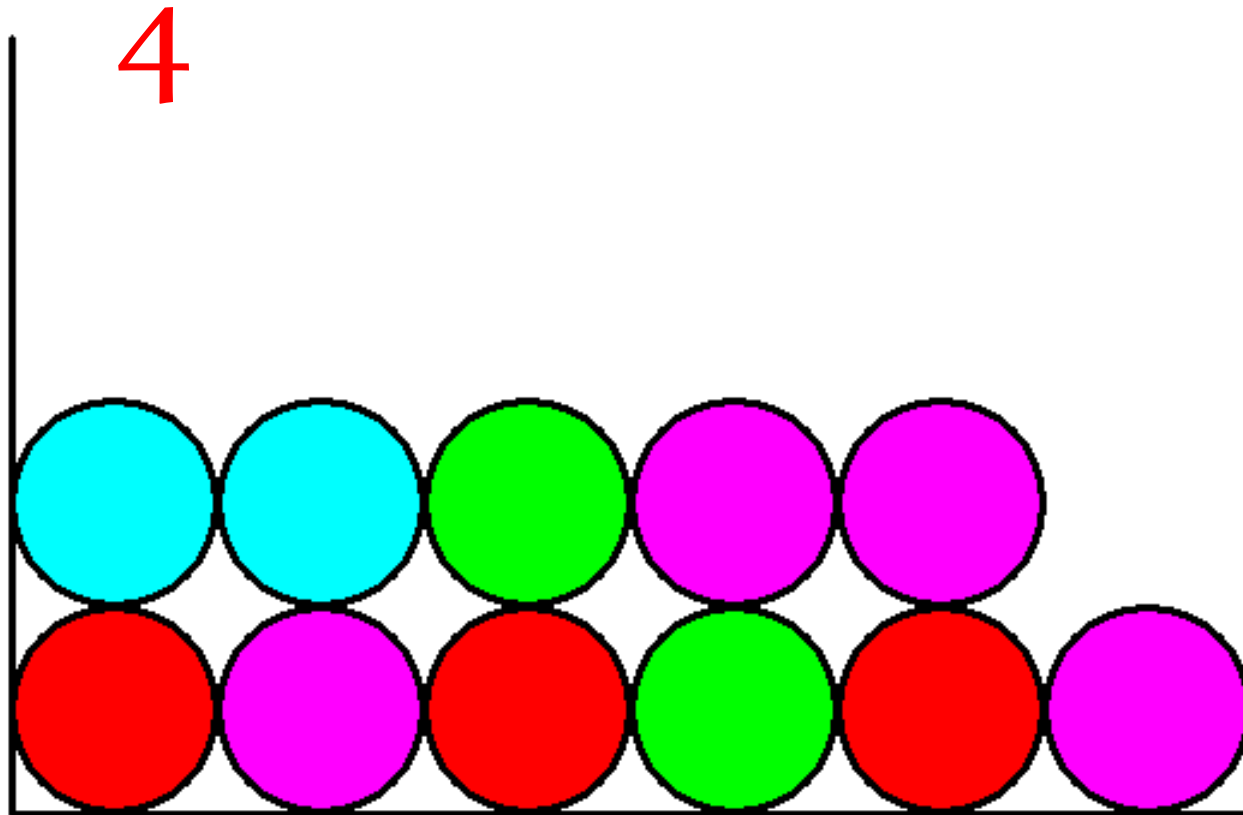
3

a: $\dfrac{4}{7}$

b: $\dfrac{2}{7}$

c: $\dfrac{3}{7}$

d: $\dfrac{6}{7}$

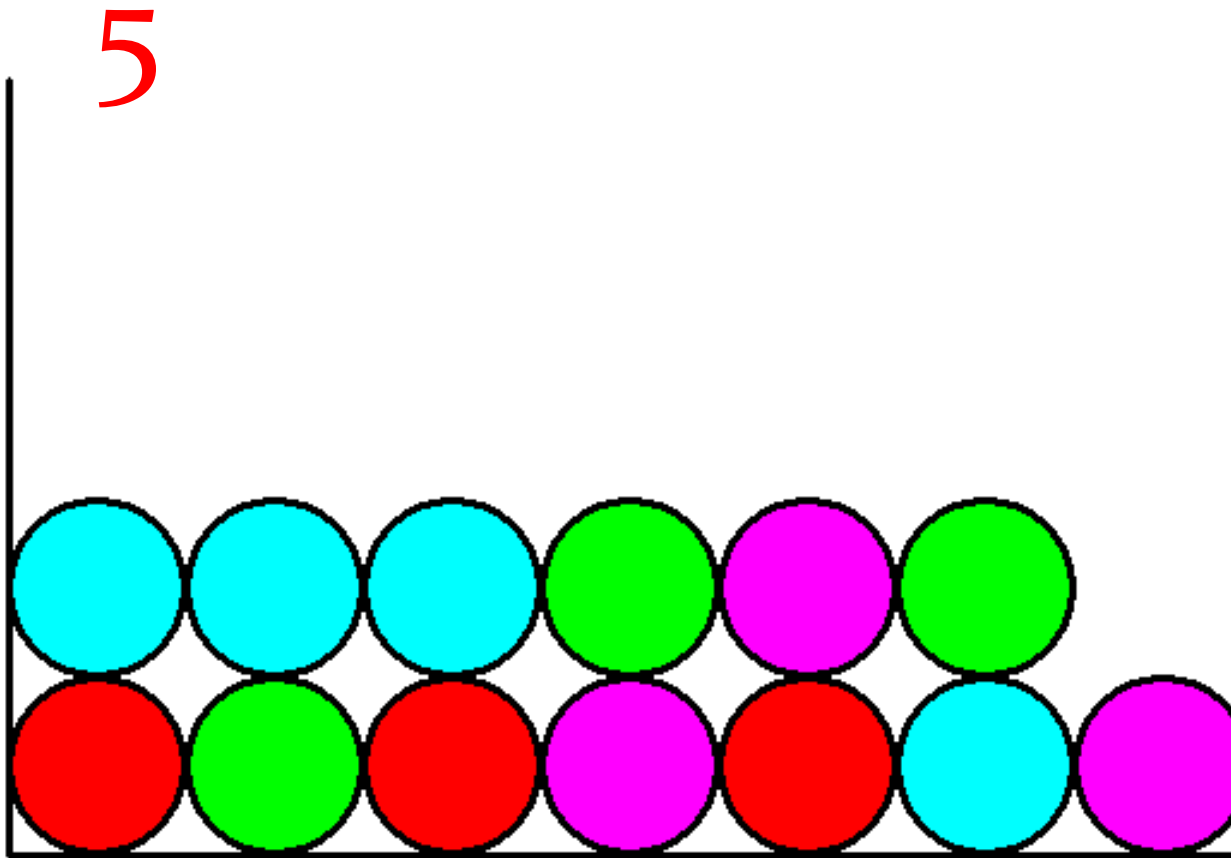What is the probablitiy of picking a RED counter?

4

a: $\dfrac{4}{11}$

b: $\dfrac{2}{11}$

c: $\dfrac{12}{14}$

d: $\dfrac{3}{11}$

What is the probability of picking pink counter?
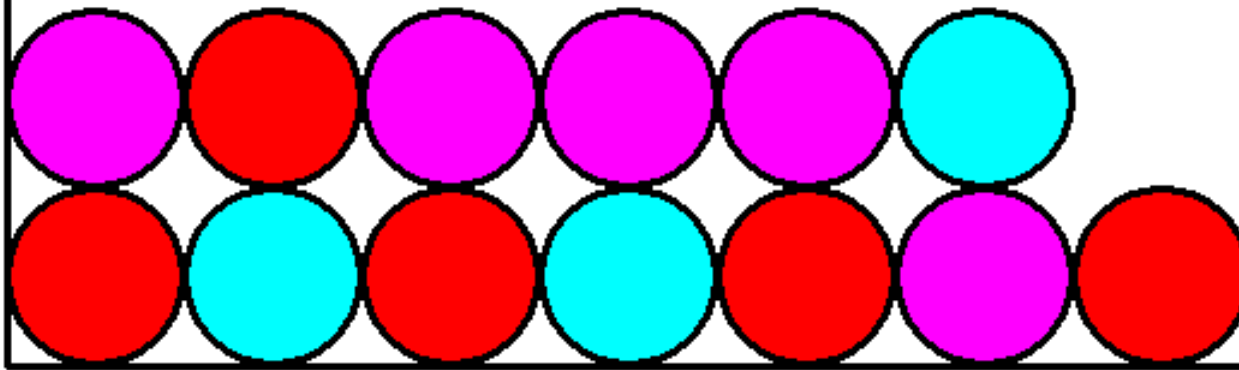
5

a: $\dfrac{3}{13}$

b: $\dfrac{4}{13}$

c: $\dfrac{12}{14}$

d: $\dfrac{8}{13}$

What is the probability of picking a **RED OR PINK** counter?
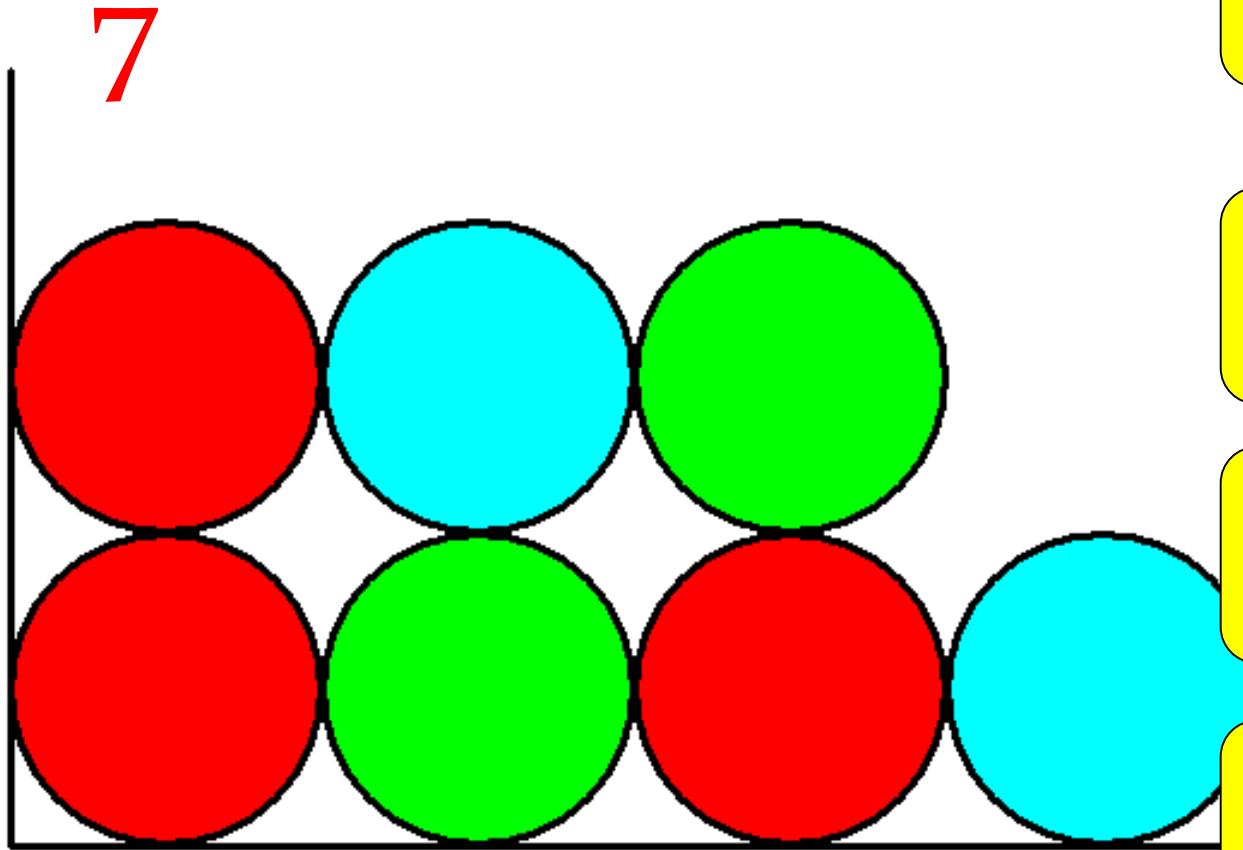
6

a: $\dfrac{4}{13}$

b: $\dfrac{8}{13}$

c: $\dfrac{10}{13}$

d: $\dfrac{5}{13}$

What is the probability of picking a **BLUE or GREEN** counter?
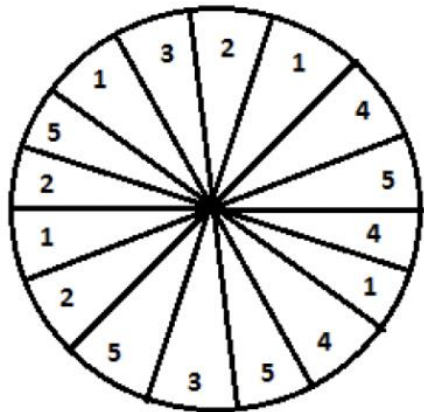

a: $\dfrac{3}{11}$
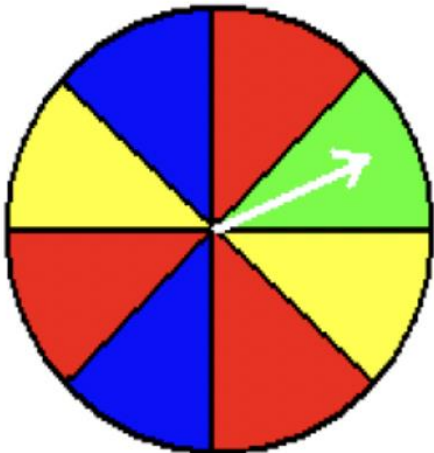
b: $\dfrac{5}{7}$

c: $\dfrac{2}{7}$

d: $\dfrac{4}{7}$

Your go! ☺

Probability - Spinner

How many sections?...................

Chance of getting a	How many?	Probability (written as a fraction)
0		
1	4	4/16
2		
3		
4		
5		
6		
2 or 3		

How many sections?...................

Chance of getting a	How many?	Probability (written as a fraction)
Red		
Blue		
Yellow		
Green		
Orange		
Red or blue		
Not a green		

Your go! ☺

MATHEMATICS

How many letters?..................

Chance of getting the letter	How many?	Probability (written as a fraction)
M		
A		
T		
B		
M or T		
C		
Vowel (AEIOU)		
Not a vowel		
S or T		
Not an M		
Not a T		

My Learning
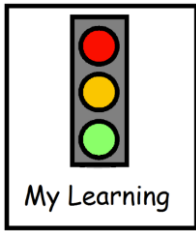
Traffic light your work today.

Thumbs down- I don't understand it
Thumbs across- I understand some of it
Thumbs up- I understand all of it

A further task will be on the website for you to complete later today – one merit for all who do ☺