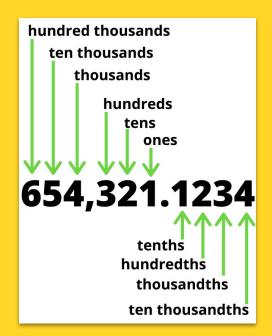
Learning About Decimals, Fractions, and Percentages!



What is a Decimal?

A decimal is a dot that separates a whole number and a fraction!

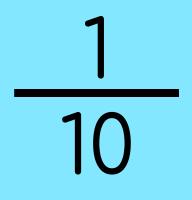


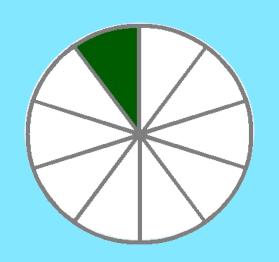




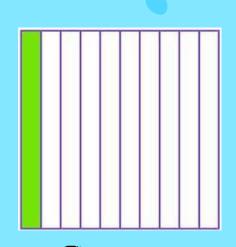


Decimals are Fractions!



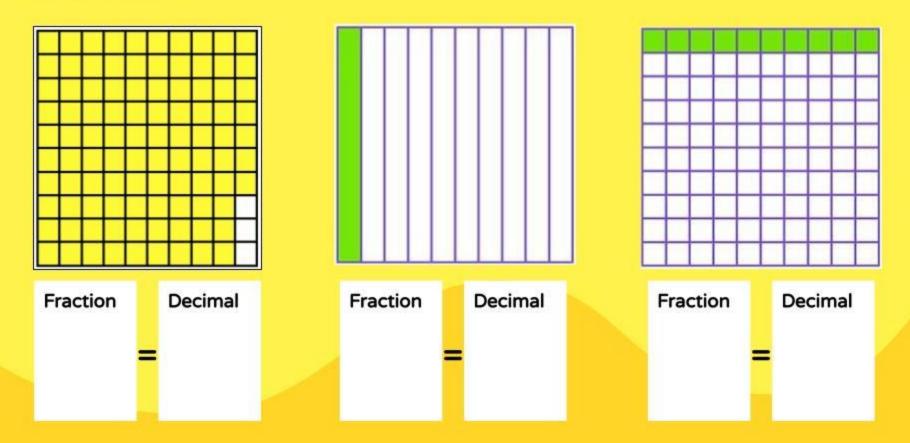


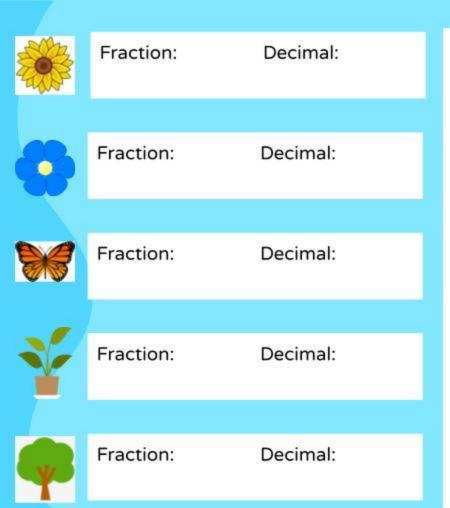
0.10

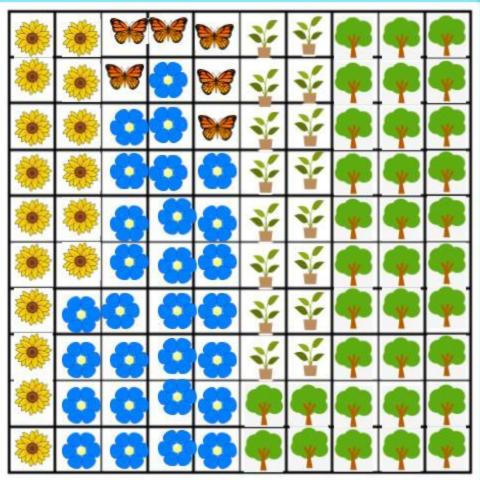




Fractions with denominators of 10 and 100 can be written as decimals.









	7			

- Create your own garden using these pictures.
- Describe the part of your garden with each vegetable in <u>fractions</u> and <u>decimals</u>.

eg, carrots: 20/100 and 0.20

	250
	Ph
4	

Fraction:

Decimal:



Fraction:

Decimal:



Fraction:

Decimal:



Fraction:

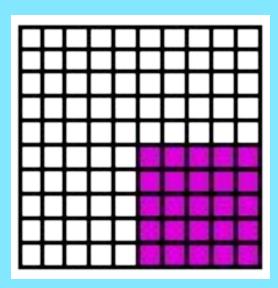
Decimal:



How do you know when you can turn a fraction into a decimal???

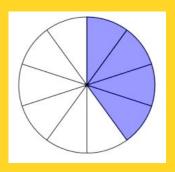
How do we know ¼ can be changed to a decimal?

Hint: Think about equivalent fractions!

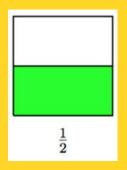


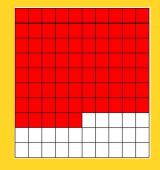
Practice!

Let's use equivalent fractions to turn these fractions into decimals!



<u>4</u> 8

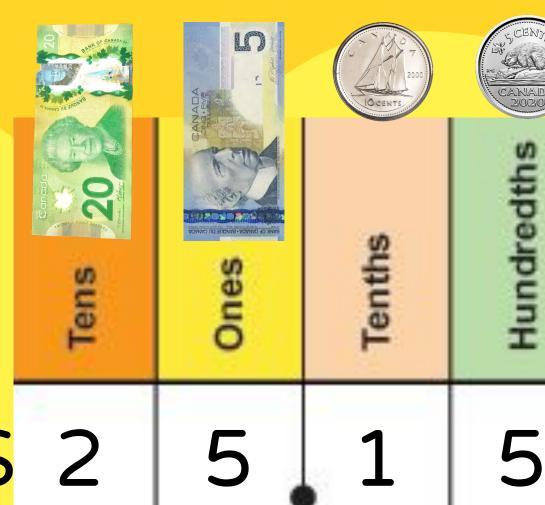


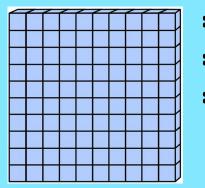


25 100

We See Decimals in Our Money!







= 1 dollar= 10 dimes= 100 pennies



1 penny = $\frac{1}{100}$ of a dollar

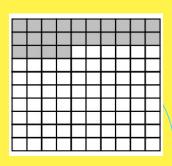
24 cents

Money: \$ 0.24 or 24 ¢

Decimal: 0.24

Fraction: 24

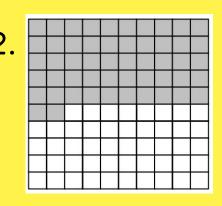
100

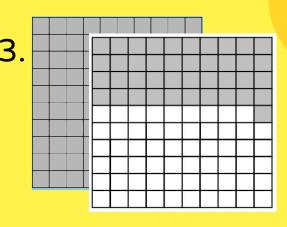


Express these hundreds flats as money, decimals and a fraction

Money	Decimals	Fraction

1.





Match the decimals and money with their matching fraction!

Decimal	Money	Fraction	
0.5			

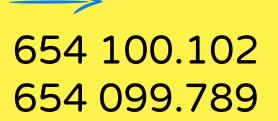
Ordering Decimals!

To compare decimals:

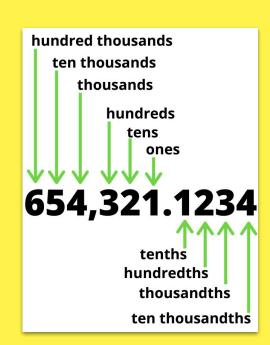
- 1. Look left to right
- 2. Find the first digit that is different.



3. The bigger digit = the larger number

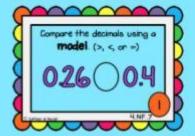


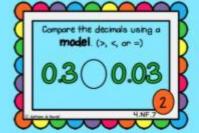


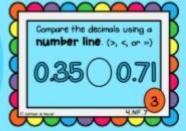


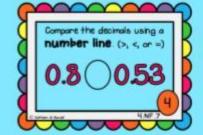


Let's Compare!

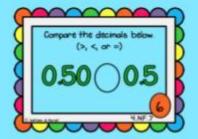


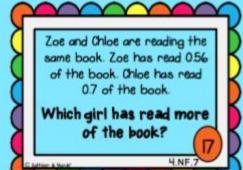




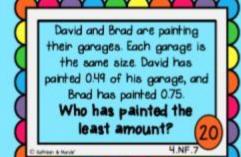














David

Brad

Ordering Decimals!

Order the following numbers from <u>LEAST</u> to <u>GREATEST.</u>

1) (

0.4

0.45

0.5

2)

0.79

0.7

0.47

3)

In a school survey of favourite activities, 0.44 students voted for soccer, 0.4 voted for art, and 0.52 voted for track and field.

Place these votes from <u>Greatest</u> to <u>Least</u>.

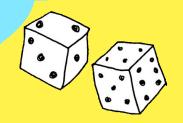
0.44

0.4

0.5

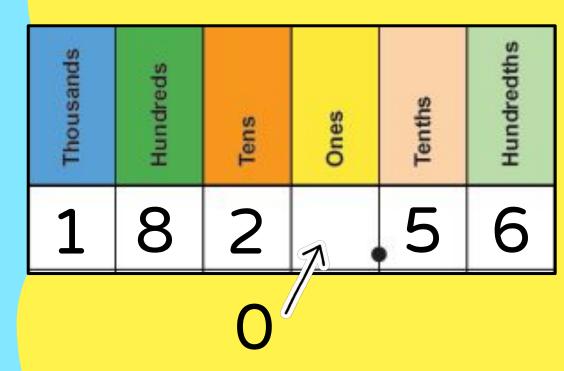
2

Decimal Challenge!



- 1. Roll a dice 5 times.
- 2. Place each number in one of the place values.
- 3. The remaining spot is a zero.

Winner is the person with the largest decimal number!



Did You Know Fractions can be Percentages too?

Percentages express rates out of 100. "Percent" means "per hundred"

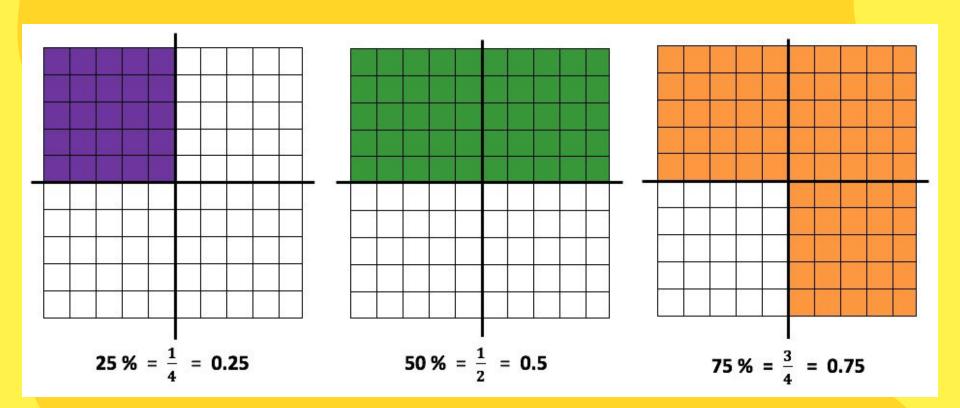
Examples:

You can make any fraction with a denominator of 100 into a percentage!

When would I need to find a percent???

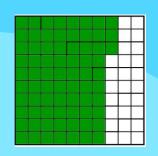


Let's Check Out Some Percentages!

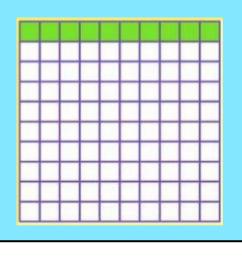


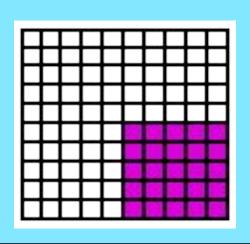
Converting Decimals to Percentages

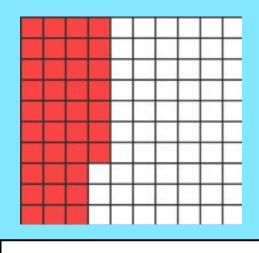
Count the number of shaded squares out of the 100s flat. That number is your percentage!



73/100 = 73%







Let's Practice

- 1. Spin the spinner and write your decimal in the box.
- 2. Then convert it to a fraction out of 100 and a percentage.
- 3. Repeat this 4 times with different decimals.

Decimal	Fraction	Percent