

11-2-17

Aim: SWBAT continue to illustrate fraction, decimal, and percentage values.

HW: [Fractions Decimals Percentages WS](#)

Do Now: Write the decimal and percent representations for the following fractions.

1. three tenths
2. five eighths
3. four fifths

Do Now: Write the decimal and percent representations for the following fractions.

1. three tenths

$$\frac{1}{10} = 0.1 = 10\%$$

$$0.1 + 0.1 + 0.1 = 0.3$$

$$10\% + 10\% + 10\% = 30\%$$

2. five eighths

$$\frac{1}{8} = 0.125 = 12\frac{1}{2}\%$$

0.125	$12\frac{1}{2}$
0.125	$12\frac{1}{2}$
0.125	$12\frac{1}{2}$
0.125	$12\frac{1}{2}$
+ 0.125	+ $12\frac{1}{2}$
0.625	$62\frac{1}{2}\%$

3. four fifths

$$\frac{1}{5} = 0.2 = 20\%$$

$$0.2 + 0.2 + 0.2 + 0.2 = 0.8$$

$$20\% + 20\% + 20\% + 20\% = 80\%$$

Name Key

Date _____

Equivalent Fractions, Decimals, and Percents

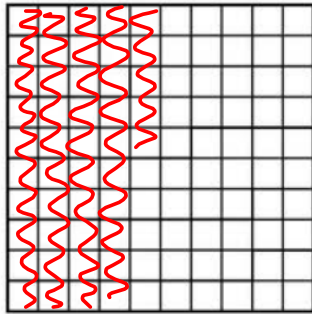
Period _____

Match the left and right column values to their equivalent value in the middle column.

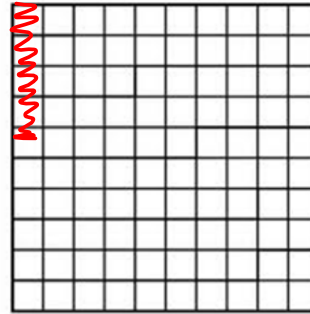
$\frac{1}{10}$		$\frac{3}{4}$		100%
0.125		60%		$0.\bar{3}$
25%		$33\frac{1}{3}\%$		$\frac{2}{3}$
$\frac{2}{5}$		0.1		50%
0.6		40%		0.75
75%		$66\frac{2}{3}\%$		12.5%
1		0.5		$\frac{1}{4}$
$\frac{1}{3}$		0.25		$\frac{3}{5}$
$0.\bar{6}$		$\frac{1}{8}$		0.4
$\frac{1}{2}$		1		10%

Illustrating A Percent

Shade squares to represent the given percent. Then write the decimal and fraction equivalent.



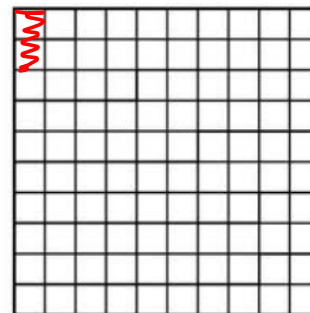
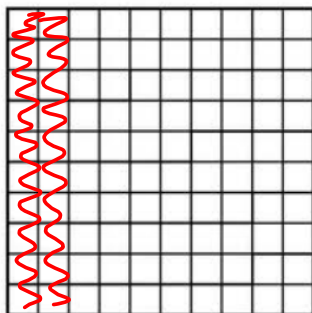
$$4.5 \times 10 = 45$$



Percent	Decimal	Fraction
45%	0.45	$\frac{45 \div 5}{100 \div 5} = \frac{9}{20}$

Percent	Decimal	Fraction
4.5%	0.045	$\frac{4.5 \div 5}{100 \div 5} = \frac{9}{200}$

$$\frac{4.5 \times 10}{100 \times 10} = \frac{45}{1000}$$



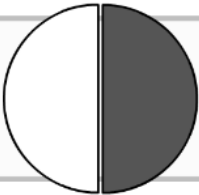
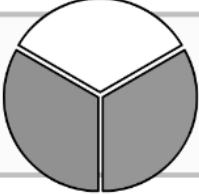
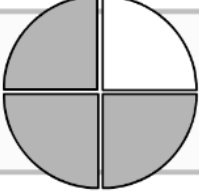
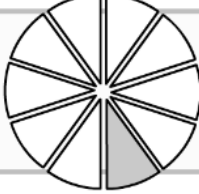
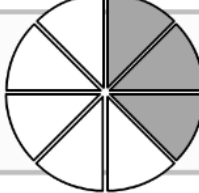
Percent	Decimal	Fraction
20%	0.20 0.2	$\frac{20}{100} = \frac{1}{5}$

Percent	Decimal	Fraction
2%	0.02	$\frac{2}{100} = \frac{1}{50}$

FRACTIONS DECIMALS PERCENTAGES ①

	FRACTION	DIVIDE NUMERATOR BY DENOMINATOR	DECIMAL	MULTIPLY BY 100	PERCENTAGE		
		CONVERT TO FRACTION		DIVIDE BY 100			
			F	D	P		
1			<input type="text"/>	=	<input type="text"/>	=	<input type="text"/>
2			<input type="text"/>	=	<input type="text"/>	=	<input type="text"/>
3			$\frac{1}{4}$	=	0.25	=	25%
4			<input type="text"/>	=	<input type="text"/>	=	<input type="text"/>
5			<input type="text"/>	=	<input type="text"/>	=	<input type="text"/>

FRACTIONS DECIMALS PERCENTAGES ②

	FRACTION		DECIMAL		PERCENTAGE	
		DIVIDE NUMERATOR BY DENOMINATOR		MULTIPLY BY 100		
		CONVERT TO FRACTION		DIVIDE BY 100		
		F		D	P	
6		<input style="width: 40px; height: 40px;" type="text"/>	=	<input style="width: 40px; height: 40px;" type="text"/>	=	<input style="width: 40px; height: 40px;" type="text"/>
7		<input style="width: 40px; height: 40px;" type="text"/>	=	<input style="width: 40px; height: 40px;" type="text"/>	=	<input style="width: 40px; height: 40px;" type="text"/>
8		<input style="width: 40px; height: 40px;" type="text"/>	=	<input style="width: 40px; height: 40px;" type="text"/>	=	<input style="width: 40px; height: 40px;" type="text"/>
9		<input style="width: 40px; height: 40px;" type="text"/>	=	<input style="width: 40px; height: 40px;" type="text"/>	=	<input style="width: 40px; height: 40px;" type="text"/>
10		<input style="width: 40px; height: 40px;" type="text"/>	=	<input style="width: 40px; height: 40px;" type="text"/>	=	<input style="width: 40px; height: 40px;" type="text"/>