Warm Up Grade 8

Date: _____



Copy and complete the chart

% → Decimal (÷ by 100)

	Out of 100	Percent	Fraction	Decimal	
a	11	11 % ←	$\frac{11}{100}$	0.11	
b	29	29% ←	$\frac{29}{100}$ ← place values	0.29	
c	75	75%	15/20 $\frac{15}{20} \times\frac{5}{5} = \frac{75}{100}$	0.75	75% ÷100
d	6	6 %	$\frac{6}{100} = \frac{\div 2}{\div 2} = \frac{3}{50}$	0.06	6%
e	200	200%	$\frac{200}{100} = \frac{2}{1}$	2	
f	117	117%	$\frac{117}{100} = 1\frac{17}{100}$	1.17	

Ex) Write each percent as a fraction and a decimal. Sketch a number line to show how the numbers relate.

a) 32% b) 6% c) 97% d) 120%

$\frac{32}{100} = \frac{16}{50} = \frac{8}{25}$ $\frac{6}{100} = \frac{3}{50}$ $\frac{97}{100}$ $\frac{120}{100} \div 10 = \frac{12}{10} \div 2 = \frac{6}{5} = 1\frac{1}{5}$

improper

$= 0.32$ 0.06 0.97



Ex) Write each percent as a mixed fraction (Reduce)

a) 127% b) 240% c) 115%

$\Rightarrow \frac{127}{100}$

$\boxed{1\frac{27}{100}}$

$\frac{240}{100}$

$2\frac{40}{100}$ $\div 10$ $\div 10$

Reduce fraction

$2\frac{4}{10}$ $\div 2$ Reduce $\div 2$ again

$\boxed{2\frac{2}{5}}$

$\frac{115}{100} = 1\frac{15}{100}$ $\div 5$ $\div 5$

$= \boxed{1\frac{3}{20}}$

Work Period

Finish sheet from yesterday

Then

Ws Grade 8 Extra practice Fraction decimal percent

Ws Grade 8 Extra practice Fraction decimal percent

1. Write each fraction as a decimal and a percent.

a) $\frac{21}{35}$ **b)** $\frac{14}{20}$ **c)** $\frac{28}{56}$ **d)** $\frac{12}{16}$ **e)** $\frac{18}{200}$

f) $\frac{19}{20}$ **g)** $\frac{16}{25}$ **h)** $\frac{32}{40}$ **i)** $\frac{9}{50}$ **j)** $\frac{9}{10}$

2. Ruth's test scores were: $\frac{17}{20}$, $\frac{21}{28}$, and $\frac{40}{50}$.

Write each test score as a percent.

Order the test scores from greatest to least.

Which was Ruth's best test? How do you know?

3. Write each percent as a fraction and a decimal.

Sketch number lines to show how the numbers are related.

a) 18% **b)** 37% **c)** 86% **d)** 99%

4. In 5 min, Benjamin completed 27 of 30 multiple-choice questions.
Madison completed 83% of the questions.
Who completed more questions?
How do you know?

5. Barney created a design on a grid.
He coloured $\frac{1}{8}$ of the grid red.
He coloured 0.375 of the grid green.
He coloured 40% of the grid blue.
He coloured the rest of the grid purple.
What percent of the grid is purple?
How do you know?

Merryland International School
Department of Mathematics 2021 – 22
Grade – 4 (Term-2 WS-4 Fractions Decimals and Percentage)

Name:_____ Sec: _____

1) Convert Percent to Fraction

a) 64% = b) 17% =

c) 9 % = d) 88 % =

2) Convert Decimal to Percent

a) 0.12 = b) 0.96 =

c) 0.45 = d) 0.3 =

3) Convert Percent to Decimal

a) 22 % = b) 38 % =

c) 5 % = d) 3 % =

4) Convert Fraction to Percent

a) $\frac{27}{100}$ = b) $\frac{56}{100}$ =

c) $\frac{14}{100}$ = d) $\frac{7}{100}$ =

LIVEWORKSHEETS

15

Fraction/Decimal/Percent Conversions

Note: please talk to your instructor for other conversions

Changing fractions to decimals: divide the bottom number into the top number

$\frac{1}{2} = 2\overline{)1.5} = .5$ $\quad 8\frac{1}{5} \Rightarrow 5\overline{)1.2} = 8.2$

Changing decimals to fractions: place a one under the point and a zero under the digits

$.7 = \frac{.7}{10} = \frac{7}{10}$ $\quad 3.73 = 3\frac{.73}{100} = 3\frac{73}{100}$ $\quad 2.6 = 2\frac{.6}{10} = 2\frac{6}{10} = 2\frac{3}{5}$

Changing Decimals to Percents: move decimal point two places to right (add zeros)

.27 = 27.% $\quad$ 1.4 = 140.% $\quad$ 7 = 700.% $\quad$ .005 = .5%

Changing Percents to Decimals: move the decimal point two places to the left (add zeros)

30% = .30 $\quad$ .57% = .0057 $\quad 8\frac{1}{5}\% \Rightarrow 5\overline{)1.2} = 8.2\% = .082$

Note: place a decimal point even if you don't see one

Practice **Read and follow all directions**

Directions: Fill in the blanks in the following table. **Reduce fractions** to lowest terms. ***Round decimals to hundredths.*** **Round percents to hundredths.**

Mixed number or fraction	Decimal Number	Percent
$\frac{1}{2}$		
	.336	
		72%
$\frac{3}{5}$		
		$\frac{1}{2}\%$
	1.23	
$\frac{7}{8}$		
		$3\frac{1}{4}\%$
	426.2	
$8\frac{2}{3}$		
	.01	
$5\frac{7}{8}$		

Fractions/Decimal/Percent Conversions
Revised @ 2009 MLC page 1 of 2

LIVEWORKSHEETS