Warm Up Grade 8
Date:



Copy and complete the chart

	Out of 100	Percent	Fraction	n Decin	al
a	11	11%	100	0.11	
b	29	29 %	100	0.29	
C	75	75%	15×15/20 = 75	0.75	
d	6	6 %	$\frac{6}{100} = \frac{3}{50}$	0.06	
e	200	200%	200 ÷ 100 2 100 ÷ 100	2.00	
f	117	117%	100	1-17	

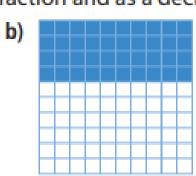
	Out of 100	Percent	Fraction		
a	25	25%	25/100=1/4	0.25	
b	92	92 %	外心工器、登	0.92	
c	64	64%	64/60 = 145	0.64	
d	9	9%	9/100	0.09	
e	84	84 %	42/50	0.84	
f	18	18.8	18/100 = 9/50	0.18	
g	12.5	12.5%	1/8	→ O.125	
h	3	3%	3/100	0.03	
i	40	40%	2/5	0.40	
j	15	15%	15/100	0.15	
k	73	73%	73/100	0.73	
$\overline{\mathbf{l}}$	140	140%	140	1.4	
m	2.5	2.5%	2.5/NO = 25/00	和 0.025	
n	123	123%	123/00	1.23	

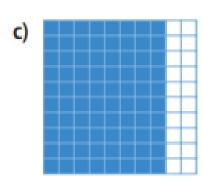
$$\frac{25}{1000} = \frac{2.5}{100} =$$

WS Solutions

1. What percent of each hundred chart is shaded? Write each percent as a fraction and as a decimal.



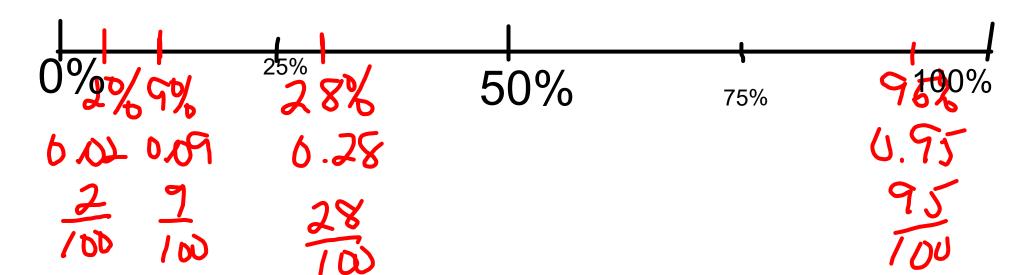




$$1200 = 16\% = 0.15$$
 $140 = 40\% = 0.40$
 $1500 = 40\% = 0.40$
 $1500 = 40\% = 0.80$

- Write each percent as a fraction and a decimal. Sketch number lines to show how the numbers are related.
 - a) 2%
- b) 9%
- c) 28%
- d) 95%

- c) 28% 0.28
- 28
- d) 95% 0.95
- 95



WS Solutions

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

a)
$$\frac{2}{10} = \frac{1}{100}$$

b)
$$\frac{3}{50} = \frac{100}{100}$$

c)
$$\frac{4}{25} = 70^{\circ}$$

a)
$$\frac{2}{10} = \frac{1}{100}$$
 b) $\frac{3}{50} = \frac{1}{100}$ c) $\frac{4}{25} = \frac{1}{100}$ d) $\frac{13}{20} = \frac{1}{100}$ e) $\frac{4}{5} = \frac{1}{100}$

e)
$$\frac{4}{5}$$

$$3 \approx \frac{2}{10} = 0.2$$

b)
$$\frac{3}{50} = \frac{6}{100}$$

$$e) \frac{4}{5} = \frac{80}{100}$$

Fred had 8 out of 10 on a test. Janet had 82% on the test. Who did better? How do you know?



Jonet 82%

0.82

Janet did better since 82780 JINCE 0.8270.8

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

a)
$$32\%$$

$$\frac{32}{100} = \frac{16}{50} \cdot \frac{8}{25}$$

$$0.32$$

$$0.06$$

$$= 0.97$$

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

$$\frac{127}{100}$$
= $\frac{27}{100}$

$$\frac{12}{100} = \frac{240}{100}$$

$$= \frac{240}{100} = \frac{240}{100$$

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

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

Ex) Convert the % to Fraction

Work Period

Ws Grade 8 Extra practice Fraction decimal percent

Finish sheet from yesterday

Ws Grade 8 Extra practice Fraction decimal percent Calculator Decimal \rightarrow Top: Bottom 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) $\frac{32}{40}$ j) $\frac{9}{50}$ 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 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?

Grade – 4	Department of Matl	nternational School nematics 2021 - Fractions Decimals and	
Grade – 4	(Term-2 WS-4	ri actions Decimais and	i i ercentage)
Name:			Sec:
1) Conver	t Percent to Fracti	on	
a) 64%	=	b) 17% =	
c) 9 %	=	d) 88 % =	
2) Conver	t Decimal to Perce	nt	
a) 0.12	=	b) 0.96 =	
c) 0.45	=	d) 0.3 =	
3) Convert	Percent to Decima	al	
a) 22 %	=	b) 38 % =	
c) 5 %	=	d) 3 % =	
4) Convert	Fraction to Perce	nt	
a) $\frac{27}{100}$	=	b) $\frac{56}{100}$ =	
c) $\frac{14}{100}$	=	d) $\frac{7}{100}$ =	

BILIVEWORKSHEETS

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

$$\frac{1}{2} = 2 \cdot \frac{.5}{1} = .5$$
 $8\frac{1}{5} \Rightarrow 5 \cdot \frac{.2}{1} = 8.2$

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

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

$$2.6 = 2\frac{.6}{10} = 2\frac{6}{10} = 2\frac{3}{5}$$

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

.27 = 27.%

1.4 = 140.%

7 = 700.%

.005 = .5%

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

30% = .30 .57% = .0057
$$8\frac{1}{5}\% \Rightarrow 5)1 = 8.2\% = .082$$
Note: place a decimal point even if you don't see one

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
1/2		
	.336	
		72%
3/5		
		1/2 %
	1.23	
7/8		
		3 1/4 %
	426.2	
82/3		
	.01	
57/8		