

Unit 1

Fractions, Decimals, and Percents

(Calculators will NOT be used)

Homework

6.2 The student will

- a) investigate and describe fractions, decimals, and percents as ratios;**
- b) identify a given fraction, decimal, or percent from a representation;**
- c) demonstrate equivalent relationships among fractions, decimals, and percents; and**
- d) compare and order fractions, decimals, and percents.**

Long Division & Fraction → Decimal Homework

Solve the following long division problems.

1) $8\overline{)240}$	2) $9\overline{)864}$
3) $8\overline{)688}$	4) $6\overline{)234}$
5) $9\overline{)7533}$	6) $7\overline{)1225}$
7) $4\overline{)288}$	8) $5\overline{)841}$

Convert the following fractions to decimals.

9) $\frac{6}{11}$	10) $\frac{4}{7}$
11) $9\frac{4}{5}$	12) $4\frac{2}{10}$
13) $\frac{48}{5}$	14) $\frac{20}{6}$
15) $\frac{23}{11}$	16) $\frac{41}{10}$

Don't forget to check your HW online!

My score is _____/16

This image shows a blank sheet of lined paper. It features a vertical red margin line on the left side, creating a narrow margin. The rest of the page is filled with horizontal black lines, providing a grid for writing. The lines are evenly spaced and extend across the width of the page.

Fractions → Decimals → Percents Homework

Convert the following fractions to decimals:

1) $\frac{1}{2}$	2) $1\frac{3}{5}$	3) $\frac{3}{4}$
4) $3\frac{3}{8}$	5) $\frac{2}{3}$	6) $\frac{4}{5}$

Convert the following decimals to a percent:

7) 0.38	8) 0.16	9) 4.45
10) 2.39	11) 0.54	12) 4.12

Complete the Table

#	Draw It	Fraction	Decimal	Percent
13)		$2\frac{1}{10}$		
14)		$\frac{7}{8}$		
15)		$3\frac{1}{8}$		

Directions: Compare the following using $>$, $<$, or $=$

16) 0.15 ○ $\frac{1}{5}$

17) $1\frac{3}{4}$ ○ 0.75

Don't forget to check your HW online!

My score is _____/20

This image shows a blank sheet of lined paper. It features a vertical red margin line on the left side, creating a narrow margin. The rest of the page is filled with horizontal black lines, providing space for writing. The lines are evenly spaced and extend across the width of the page.

FDP Mixed Conversions Homework

Convert the following fractions to a decimals:

1) $\frac{1}{2}$	2) $1\frac{3}{5}$	3) $\frac{3}{4}$
------------------	-------------------	------------------

Convert the following decimals to a percent:

4) 0.38	5) 0.16	6) 4.45
---------	---------	---------

Convert the following percents to a decimal:

7) 45%	8) 50%	9) 5%
--------	--------	-------

Convert the following decimals to a fraction (and simplify):

10) 0.25	11) 0.7	12) 0.15
----------	---------	----------

Complete and fill in each blank box:

#	Draw It	Fractions	Decimals	Percent
13)				25%
14)				40%
15)				8%
16)				6%
17)				30%
18)				203%

Don't forget to check your HW online!

My score is _____/18

This image shows a blank sheet of lined paper. On the left side, there is a vertical red line that serves as a margin. The rest of the page is filled with horizontal black lines, providing a grid for writing. The lines are evenly spaced and extend across the width of the page.

FDP Test Study Guide

Complete the FDP Graphic Organizer

F D P

FRACTIONS → DECIMALS → PERCENTS

Changing a FRACTION/MIXED NUMBER into a PERCENT:

- 1) Change the fraction into a decimal by changing it into an improper fraction, if necessary, and dividing the numerator by the denominator.
- 2) Multiply the decimal by 100 to make a percent. Hint: moving the decimal point *TWO places to the RIGHT* is the same as multiplying the decimal by 100.

****Mixed numbers will result in percentages over 100****

$$\frac{73}{100} \quad 73 \div 100 = 0.73 = 73\%$$

PERCENTS → DECIMALS → FRACTIONS

Changing a PERCENT into a FRACTION/MIXED NUMBER:

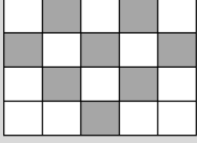
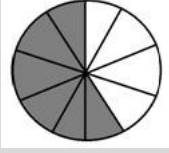
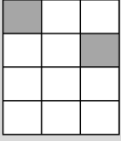
- 1) Change the percent into a decimal first. Remember, we “swoop” to the LEFT two times!
- 2) Then identify the place value of the right-most digit and place the number over that place value. (The numbers to the left of the decimal stay the whole number; numbers to the right make the numerators)
- 3) Simplify the fraction.

$$12.5\% = 0.125 = \frac{125}{1000} \div 25 = \frac{5}{40} \div 5 = \frac{1}{8}$$

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

Unit 1: Fractions, Decimals, and Percents HOMEWORK Page 41

Use the table to answer each un-shaded square.

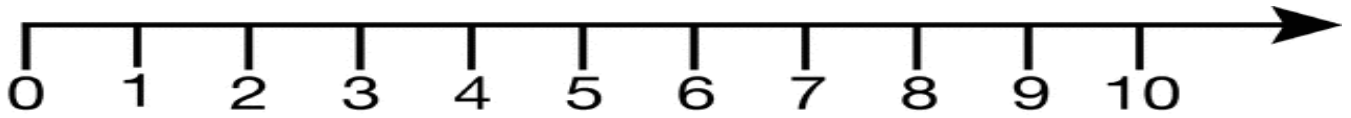
Model	Fraction	Decimal	Percent
	1)	2)	40%
	3)	0.6	4)
	5) Simplify $\frac{2}{12}$	6)	7)
8)	9)	0.45	45%
10)	$\frac{7}{10}$	11)	70%

Compare using >, <, or =

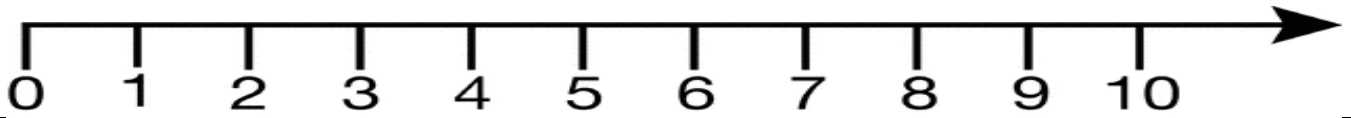
12) 1.8 ○ 180%	13) $1\frac{1}{2}$ ○ 125%	14) $\frac{2}{3}$ ○ 70%	15) 45 ○ 45%
16) Order the following from least to greatest : $\frac{73}{100}$, 1.456, 10.5%		17) Order the following from greatest to least : 47.5%, $\frac{11}{12}$, 4.456	

Place each fraction, decimal, or percent in its correct location on the number line.

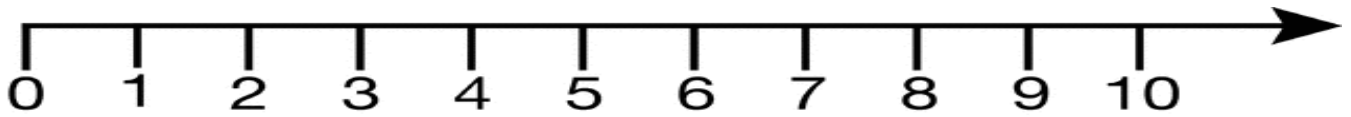
18) 175% $\frac{4}{5}$ 4.65



19) $\frac{6}{12}$ 9.35 $7\frac{3}{5}$



20) 236% $\frac{450}{100}$ 8.23



Complete the following word problems:

21) There are 25 students in math class. Yesterday, 6 students were absent. What percent of the students were absent?

22) Albert spends 2 hours per day working on his homework and an hour playing video games. What percent of the day does he spend playing video games and working on his homework?

23) Lathy received \$0.54 in change. Express this as a fraction of a dollar.

24) Ragu ran the first 3 miles of a 5 mile race in 24 minutes. What percent of the race has he run?

Don't Forget to Check your Homework Online!

My score is _____/27

This image shows a blank sheet of lined paper. It features a vertical red margin line on the left side, creating a narrow margin. The rest of the page is filled with horizontal black lines, providing a grid for writing. The lines are evenly spaced and extend across the width of the page.

This image shows a blank sheet of lined paper. It features a vertical red margin line on the left side, creating a narrow left margin. The rest of the page is filled with horizontal black lines, providing a grid for writing. The lines are evenly spaced and extend across the width of the page.

This image shows a blank sheet of lined paper. It features a vertical red margin line on the left side, approximately one-fifth of the way across the page. The rest of the page is filled with horizontal black lines, creating a series of rows for writing. There are 20 horizontal lines in total, including the top and bottom edges of the page.

This image shows a blank sheet of lined paper. It features a vertical red margin line on the left side, creating a narrow left margin. The rest of the page is filled with horizontal black lines, providing space for writing. The lines are evenly spaced and extend across the width of the page.

This image shows a blank sheet of lined paper. It features a vertical red margin line on the left side, creating a narrow margin. The rest of the page is filled with horizontal black lines, providing a grid for writing. The lines are evenly spaced and extend across the width of the page.

This image shows a blank sheet of lined paper. It features a vertical red margin line on the left side, creating a narrow margin. The rest of the page is filled with horizontal black lines, providing a grid for writing. The lines are evenly spaced and extend across the width of the page.