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Convert decimals to fractions to percents worksheets

Name _____ Date _____
 Percent and Decimals

Convert the following:

1. $60\frac{8}{10}\%$ = _____
2. $48\frac{2}{4}\%$ = _____
3. $36\frac{4}{5}\%$ = _____

4. $61\frac{1}{4}\%$ = _____
5. $64\frac{3}{5}\%$ = _____
6. $18\frac{2}{5}\%$ = _____

7. 78% = _____
8. 57% = _____
9. $98\frac{2}{5}\%$ = _____

10. 16% = _____
11. $43\frac{9}{10}\%$ = _____
12. $7\frac{1}{4}\%$ = _____

13. 46% = _____
14. $56\frac{1}{4}\%$ = _____
15. 36% = _____

16. $1\frac{8}{10}\%$ = _____
17. 41% = _____
18. 27% = _____

19. $39\frac{6}{10}\%$ = _____
20. $63\frac{8}{10}\%$ = _____
21. $29\frac{1}{4}\%$ = _____

22. $87\frac{1}{2}\%$ = _____
23. $68\frac{1}{5}\%$ = _____
24. $70\frac{3}{4}\%$ = _____

25. $88\frac{1}{2}\%$ = _____
26. 83% = _____
27. $77\frac{1}{2}\%$ = _____

28. 67% = _____
29. $69\frac{3}{4}\%$ = _____
30. $43\frac{3}{5}\%$ = _____

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Converting Between Fractions,
Decimals and Percents
NO calculators!!

Name: _____
Date: _____ Section: _____

1-10. Convert each fraction to a decimal and percent.

Decimal	Percent	Decimal	Percent
1. $\frac{1}{2}$	_____	2. $\frac{7}{20}$	_____
3. $\frac{7}{8}$	_____	4. $\frac{6}{25}$	_____
5. $\frac{3}{10}$	_____	6. $\frac{5}{8}$	_____
7. $\frac{47}{100}$	_____	8. $\frac{13.5}{100}$	_____
9. $\frac{2}{5}$	_____	10. $\frac{8}{10}$	_____

11-20. Convert each percent to a decimal and a fraction in lowest terms.

Decimal	Fraction	Decimal	Fraction
11. 20%	_____	12. 8%	_____
13. 30%	_____	14. 67%	_____
15. 2%	_____	16. 54%	_____



Convert the fraction to a percentage:

$$\frac{19}{20} = \frac{19}{20} \rightarrow 19 \div 20 \rightarrow 95\%$$

$$\frac{8}{25} = \frac{8}{25} \rightarrow 8 \div 25 \rightarrow 32\%$$

$$\frac{14}{20} = \frac{14}{20} \rightarrow 14 \div 20 \rightarrow 70\%$$

$$\frac{16}{25} = \frac{16}{25} \rightarrow 16 \div 25 \rightarrow 64\%$$

$$\frac{10}{25} = \frac{10}{25} \rightarrow 10 \div 25 \rightarrow 40\%$$

$$\frac{2}{20} = \frac{2}{20} \rightarrow 2 \div 20 \rightarrow 10\%$$

$$\frac{4}{20} = \frac{4}{20} \rightarrow 4 \div 20 \rightarrow 20\%$$

$$\frac{17}{20} = \frac{17}{20} \rightarrow 17 \div 20 \rightarrow 85\%$$

$$\frac{1}{25} = \frac{1}{25} \rightarrow 1 \div 25 \rightarrow 4\%$$

$$\frac{12}{20} = \frac{12}{20} \rightarrow 12 \div 20 \rightarrow 60\%$$

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Fraction/Decimal/Percent Conversions 15

Note: please talk to your instructor for other conversions

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

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

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

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

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)

$$30\% = .30 \quad 57\% = .0057 \quad 8\frac{1}{5}\% \Rightarrow 8\frac{1}{5} \cdot \frac{1}{100} = 8.2\% = .082$$

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	33.6%
$\frac{3}{5}$		72%
$\frac{7}{8}$	1.23	123%
$\frac{8}{3}$		333%
$\frac{5}{8}$.4262	42.62%
$\frac{8}{3}$.01	1%

Fraction Decimal Percent Conversion
Revised 02 2009 MLC page 1 of 2

LIVEWORKSHEETS

Name _____ Date _____

CONVERT FRACTION TO PERCENT 1 ANSWERS

Convert these fractions to percentages using the denominator method.



- | | |
|---|---|
| 1) $\frac{1}{2} = \frac{50}{100} = 50\%$ | 10) $\frac{4}{5} = \frac{80}{100} = 80\%$ |
| 2) $\frac{3}{10} = \frac{30}{100} = 30\%$ | 11) $\frac{7}{20} = \frac{35}{100} = 35\%$ |
| 3) $\frac{7}{10} = \frac{70}{100} = 70\%$ | 12) $\frac{7}{50} = \frac{14}{100} = 14\%$ |
| 4) $\frac{1}{4} = \frac{25}{100} = 25\%$ | 13) $\frac{4}{25} = \frac{16}{100} = 16\%$ |
| 5) $\frac{1}{5} = \frac{20}{100} = 20\%$ | 14) $\frac{9}{20} = \frac{45}{100} = 45\%$ |
| 6) $\frac{3}{4} = \frac{75}{100} = 75\%$ | 15) $\frac{11}{50} = \frac{22}{100} = 22\%$ |
| 7) $\frac{2}{5} = \frac{40}{100} = 40\%$ | 16) $\frac{6}{5} = \frac{120}{100} = 120\%$ |
| 8) $\frac{9}{10} = \frac{90}{100} = 90\%$ | 17) $\frac{5}{2} = \frac{250}{100} = 250\%$ |
| 9) $\frac{1}{20} = \frac{5}{100} = 5\%$ | 18) $\frac{7}{4} = \frac{175}{100} = 175\%$ |

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Eighteen problems are provided. Students will convert the given fractions to decimals and percentages. The lower number of a fraction is called denominator, and this number indicates the total number of parts that make up the whole. Students will write the decimals and mixed fractions or numbers that illustrate the images. Students will review how to convert decimals to fractions and then to the percentages. Click on "Calculate" to reach the decimal equivalent. The mixed number of mixed number is an entire number and a fraction. Then, multiply one for 25 equal to 25. Your response will have an entire number as part of the decimal. Preview of the images of the first and second (if there is one) pages are shown. Students will determine the numerator or denominator missing to change each decimal in a fraction. Students will practice decimal conversion for both fractions and percentages. Teachers can use mathematics work sheets such as testing, practicing assignments or teaching tools (for example, in group work, for scaffolding or at a learning center). Students will convert each decimal to a percentage. The versions of the students, if present, include only the page page. Students will convert the decimals provided to both fractions and percentages. Twenty problems are provided. All problems have a repeat pattern or decimal ends. The conversion of fractions to decimals, percentages and proportions to all the entirety (only end only decimals) (A) Mathematical worksheet Page 1 The conversion of fractions to decimals, percentages and proportions to whole (only end decimals) (A) Mathematical worksheet Page 2 Other versions: More fractions Working sheets Students will learn how to turn a decimal to a fraction and reduce it to their lower terms. Students will convert each decimal to a fraction and the by filling in the blank numerator or denominator. A sample problem is resolved and two practice problems are provided. Use the buttons below to print, open or download the PDF version of the fraction conversion to Percentages and partial relations to whole (only end decimal) (A) Mathematical worksheet. Ten problems are given. The use of a calculator is the easiest way to perform this division. Two practical problems are included. The answer will be written as a decimal and a fraction. Students write the fraction, the mixed number or the decimal that describes each image. The Download button initiates a download of the PDF Math worksheet. Converting a mixed number is almost the same as converting a fraction, except that it will add the entire number after it finishes converting the fraction. For example, to convert the incorrect eight/fifth fractions, divide eight to five equal to 1.6. More than the questionnairesWeredit Welcome to the conversion of fractions to decimals, percentages and proportions to all the entirety (only ending decimals) (A) Mathematics worksheet of the fractions work sheets page at Math-DRILLS.com. Students will determine the correct fraction to match the decimal provided and complete the missing part. At some moment, it is likely that you will face the prospect of working with numbers both in the fraction and in the decimal format. Format.

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