math Antics Worksheets

Name:

Date:

Percents Are Fractions

P-WAP 1

Instructions: For these percentages and their fraction form, fill in whichever number is missing.

Examples

$25\% = \frac{25}{100}$ Missing Top

$7\% = \frac{7}{100}$ Missing Bottom

$105\% = \frac{105}{100}$ Missing Percent

1. $32\% = \frac{\square}{100}$
2. $8\% = \frac{8}{\square}$
3. $14\% = \frac{14}{\square}$
4. $215\% = \frac{\square}{100}$
5. $\frac{\square}{} = \frac{4}{100}$
6. $33\% = \frac{33}{\square}$
7. $70\% = \frac{\square}{100}$
8. $\frac{\square}{} = \frac{150}{100}$
9. $\frac{\square}{} = \frac{55}{100}$
10. $17\% = \frac{\square}{100}$
11. $134\% = \frac{134}{\square}$
12. $\frac{\square}{} = \frac{64}{100}$
13. $29\% = \frac{\square}{100}$
14. $\frac{\square}{} = \frac{82}{100}$

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Decimal Form of a Percent

P-WAP 2

Instructions: Write these percent in their decimal form by moving the decimal point two places to the left.

1. 25% = 0.25
2. 10% = _____
3. 14% = _____
4. 75% = _____
5. 30% = _____
6. 100% = _____
7. 67% = _____
8. 135% = _____
9. 82% = _____
10. 8% = _____
11. 50% = _____
12. 47% = _____
13. 33% = _____
14. 250% = _____
15. 5% = _____
16. 21% = _____
17. 7% = _____
18. 327% = _____
19. 99% = _____
20. 109% = _____

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Converting Decimals to Percents

P-WAP 3

Instructions: Re-write the decimal number in percent form by moving the decimal two places to the right and then using the percent symbol.

1. $0.25 =$ 25%
2. $0.10 =$ _____
3. $0.09 =$ _____
4. $0.70 =$ _____
5. $0.32 =$ _____
6. $2.65 =$ _____
7. $0.46 =$ _____
8. $0.11 =$ _____
9. $0.03 =$ _____
10. $0.5 =$ _____
11. $0.87 =$ _____
12. $1.01 =$ _____
13. $1.00 =$ _____
14. $0.99 =$ _____
15. $1.15 =$ _____
16. $0.61 =$ _____
17. $0.75 =$ _____
18. $0.2 =$ _____
19. $0.20 =$ _____
20. $0.38 =$ _____

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Name:

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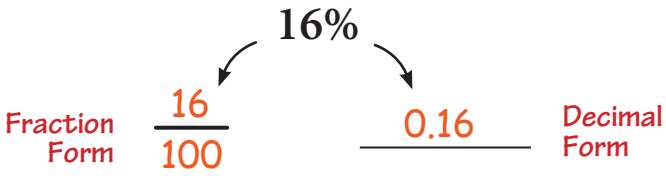
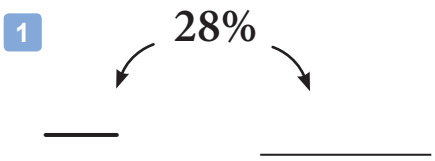
Fraction Form OR Decimal Form

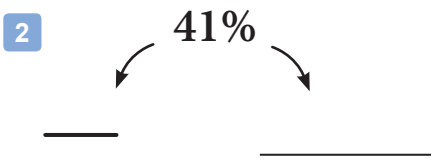
P-WAP 4

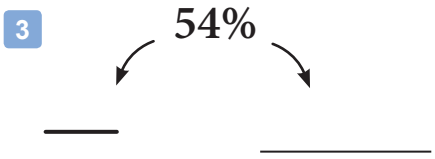
Instructions: Write the fraction form and decimal form of each percent.

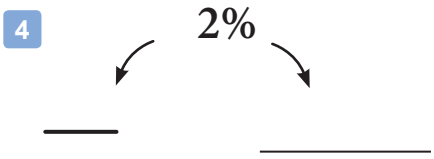
Example

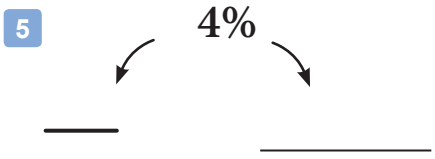


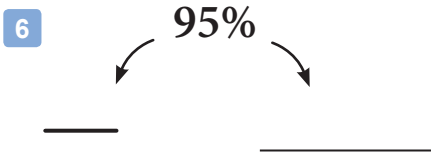
1 

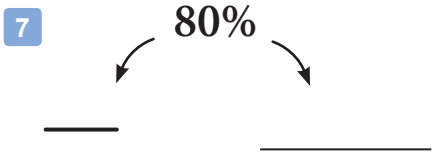
2 

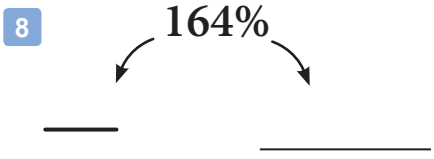
3 

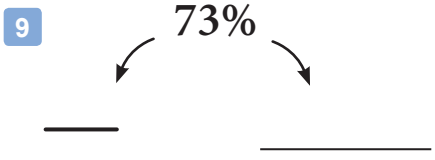
4 

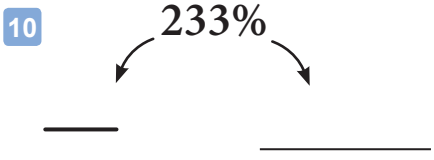
5 

6 

7 

8 

9 

10 

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Percents That Are Also Decimals

P-WAP 5

Instructions: The rules for percents and decimals apply the same way even if the numbers are already decimals. Convert each percent to decimal form and convert each decimal to percent form.

Example

35.2% = 0.352

Move the decimal two places to the left to get the decimal form of a percent.

0.045 = 4.5%

Move the decimal two places to the right to turn a decimal into a percent.

1	22.5% = _____	2	0.185 = _____
3	10.6% = _____	4	0.757 = _____
5	5.1% = _____	6	0.025 = _____
7	56.3% = _____	8	0.012 = _____
9	85.5% = _____	10	1.548 = _____
11	6.4% = _____	12	0.499 = _____
13	125.8% = _____	14	0.081 = _____
15	100.5% = _____	16	0.1065 = _____
17	30.25% = _____	18	2.253 = _____
19	4.33% = _____	20	1.354 = _____

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Exercises

Name:

Date:

What Are Percentages?

1 Re-write these percentages as fractions.

15%

42%

73%

2 Re-write these percentages as decimals.

23%

60%

8%

3 Re-write these decimals as percentages.

0.59

0.37

0.9

4 Re-write these decimals as percentages.

1.25

0.317

0.005

5 Re-write these fractions as percentages.

$\frac{50}{100}$

$\frac{7}{100}$

$\frac{31}{50}$

6 Re-write these fractions as percentages.

$\frac{6}{25}$

$\frac{3}{10}$

$\frac{5}{8}$

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Name:

Date:

Percents Are Fractions

P-WAP 1

Instructions: For these percentages and their fraction form, fill in whichever number is missing.

Examples

$25\% = \frac{25}{100}$ Missing Top

$7\% = \frac{7}{100}$ Missing Bottom

$105\% = \frac{105}{100}$ Missing Percent

1. $32\% = \frac{32}{100}$
2. $8\% = \frac{8}{100}$
3. $14\% = \frac{14}{100}$
4. $215\% = \frac{215}{100}$
5. $4\% = \frac{4}{100}$
6. $33\% = \frac{33}{100}$
7. $70\% = \frac{70}{100}$
8. $150\% = \frac{150}{100}$
9. $55\% = \frac{55}{100}$
10. $17\% = \frac{17}{100}$
11. $134\% = \frac{134}{100}$
12. $64\% = \frac{64}{100}$
13. $29\% = \frac{29}{100}$
14. $82\% = \frac{82}{100}$

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Name:

Date:

Decimal Form of a Percent

P-WAP 2

Instructions: Write these percent in their decimal form by moving the decimal point two places to the left.

1	25% =	0.25	2	10% =	0.10
3	14% =	0.14	4	75% =	0.75
5	30% =	0.30	6	100% =	1.00
7	67% =	0.67	8	135% =	1.35
9	82% =	0.82	10	8% =	0.08
11	50% =	0.50	12	47% =	0.47
13	33% =	0.33	14	250% =	2.50
15	5% =	0.05	16	21% =	0.21
17	7% =	0.07	18	327% =	3.27
19	99% =	0.99	20	109% =	1.09

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Name:

Date:

Converting Decimals to Percents

P-WAP 3

Instructions: Re-write the decimal number in percent form by moving the decimal two places to the right and then using the percent symbol.

1. $0.25 =$ 25%
2. $0.10 =$ 10%
3. $0.09 =$ 9%
4. $0.70 =$ 70%
5. $0.32 =$ 32%
6. $2.65 =$ 265%
7. $0.46 =$ 46%
8. $0.11 =$ 11%
9. $0.03 =$ 3%
10. $0.5 =$ 50%
11. $0.87 =$ 87%
12. $1.01 =$ 101%
13. $1.00 =$ 100%
14. $0.99 =$ 99%
15. $1.15 =$ 115%
16. $0.61 =$ 61%
17. $0.75 =$ 75%
18. $0.2 =$ 20%
19. $0.20 =$ 20%
20. $0.38 =$ 38%

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Name:

Date:

Fraction Form OR Decimal Form

P-WAP 4

Instructions: Write the fraction form and decimal form of each percent.

Example

16%

Fraction Form: $\frac{16}{100}$ — Decimal Form: 0.16

1. 28% → $\frac{28}{100}$ → 0.28
2. 41% → $\frac{41}{100}$ → 0.41
3. 54% → $\frac{54}{100}$ → 0.54
4. 2% → $\frac{2}{100}$ → 0.02
5. 4% → $\frac{4}{100}$ → 0.04
6. 95% → $\frac{95}{100}$ → 0.95
7. 80% → $\frac{80}{100}$ → 0.80
8. 164% → $\frac{164}{100}$ → 1.64
9. 73% → $\frac{73}{100}$ → 0.73
10. 233% → $\frac{233}{100}$ → 2.33

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Name:

Date:

Percents That Are Also Decimals

P-WAP 5

Instructions: The rules for percents and decimals apply the same way even if the numbers are already decimals. Convert each percent to decimal form and convert each decimal to percent form.

Example

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Move the decimal two places to the left to get the decimal form of a percent.

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Move the decimal two places to the right to turn a decimal into a percent.

1	22.5% =	0.225	2	0.185 =	18.5%
3	10.6% =	0.106	4	0.757 =	75.7%
5	5.1% =	0.051	6	0.025 =	2.5%
7	56.3% =	0.563	8	0.012 =	1.2%
9	85.5% =	0.855	10	1.548 =	154.8%
11	6.4% =	0.064	12	0.499 =	49.9%
13	125.8% =	1.258	14	0.081 =	8.1%
15	100.5% =	1.005	16	0.1065 =	10.65%
17	30.25% =	0.3025	18	2.253 =	225.3%
19	4.33% =	0.0433	20	1.354 =	135.4%

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Exercises

Name:

Date:

What Are Percentages?

1 Re-write these percentages as fractions.

$15\% = \frac{15}{100}$

$42\% = \frac{42}{100}$

$73\% = \frac{73}{100}$

2 Re-write these percentages as decimals.

$23\% = 0.23$

$60\% = 0.60$ or 0.6

$8\% = 0.08$

3 Re-write these decimals as percentages.

$0.59 = 59\%$

$0.37 = 37\%$

$0.9 = 90\%$

4 Re-write these decimals as percentages.

$1.25 = 125\%$

$0.317 = 31.7\%$

$0.005 = 0.5\%$

5 Re-write these fractions as percentages.

$\frac{50}{100} = 50\%$

$\frac{7}{100} = 7\%$

$\frac{31}{50} \times \frac{2}{2} = \frac{62}{100} = 62\%$

6 Re-write these fractions as percentages.

$\frac{6}{25} \times \frac{4}{4} = \frac{24}{100} = 24\%$

$\frac{3}{10} \times \frac{10}{10} = \frac{30}{100} = 30\%$

$\frac{5}{8} = 0.625 = 62.5\%$

See Video for step-by-step solutions to each problem.

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