

CONVERTING PERCENTS TO DECIMALS

To convert a percent to a decimal, place the number in front of the % symbol over 100 and simplify.

Example Convert 83.5% to a decimal.

$$\frac{83.5}{100} = .835$$

Convert to a decimal.

1. 75%

2. 7%

3. 93%

4. 105%

5. 3%

6. 18%

7. 64%

8. 240%

9. 43%

10. 22%

11. 50%

12. 3%

13. 377%

14. 59%

15. 8%

16. 119%

17. 71%

18. 1

CONVERTING PERCENTS TO DECIMALS

To convert a percent to a decimal, place the number in front of the % symbol over 100 and simplify.

OR - recognizing the pattern, move the decimal point 2 places to the left

Example Convert 83.5% to a decimal.

$$\frac{83.5}{100} = .835$$

Convert to a decimal.

6.13%

52%

7.04%

94%

9.67%

3.76%

71%

86%

41%

19%

1.25%

69%

30%

3.13%

1.29%

96%

24%

1.03%

29%

64%

1%

1.43%

1.11%

80%

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Example Convert 83.5% to a decimal.

$$\frac{83.5}{100} = .835$$

Convert to a decimal.

52%

6.54%

32%

43%

19%

1.87%

7.34%

32%

.4%

8.61%

2.52%

64%

5.0%

83%

78%

25%

5.06%

4.32%

49%

92%

53%

1.57%

21%

1.36%

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OR - recognizing the pattern, move the decimal point 2 places to the left

Example Convert 83.5% to a decimal.

$$\frac{83.5}{100} = .835$$

Convert to a decimal.

42%

91%

1/10 %

3/8 %

1.83%

6/10 %

20%

94%

28%

1/8 %

55%

7.09%

.03%

37%

7.95%

28%

1.13%

2/6 %

4.99%

51%

3/4 %

49%

50%

84%