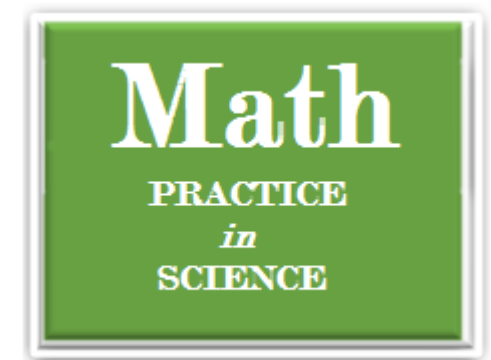


071 Math Practice

Decimals and Percents



You can write a decimal as a percent by moving the decimal point two places to the right.

Examples: $.48 = 48\%$ $.236 = 23.6\%$ $2.4 = 240\%$

Rename each decimal as a percent.

- | | | | |
|---|--|---|---|
| 1. $.72 = \underline{\hspace{2cm}}\%$ | 2. $.39 = \underline{\hspace{2cm}}\%$ | 3. $.07 = \underline{\hspace{2cm}}\%$ | 4. $.54 = \underline{\hspace{2cm}}\%$ |
| 5. $.26 = \underline{\hspace{2cm}}\%$ | 6. $1.12 = \underline{\hspace{2cm}}\%$ | 7. $1.4 = \underline{\hspace{2cm}}\%$ | 8. $.81 = \underline{\hspace{2cm}}\%$ |
| 9. $1.65 = \underline{\hspace{2cm}}\%$ | 10. $.43 = \underline{\hspace{2cm}}\%$ | 11. $.02 = \underline{\hspace{2cm}}\%$ | 12. $.746 = \underline{\hspace{2cm}}\%$ |
| 13. $.026 = \underline{\hspace{2cm}}\%$ | 14. $1.1 = \underline{\hspace{2cm}}\%$ | 15. $.01 = \underline{\hspace{2cm}}\%$ | 16. $.103 = \underline{\hspace{2cm}}\%$ |
| 17. $1.24 = \underline{\hspace{2cm}}\%$ | 18. $.33 = \underline{\hspace{2cm}}\%$ | 19. $7 = \underline{\hspace{2cm}}\%$ | 20. $.034 = \underline{\hspace{2cm}}\%$ |
| 21. $2.04 = \underline{\hspace{2cm}}\%$ | 22. $0.23 = \underline{\hspace{2cm}}\%$ | 23. $1.2 = \underline{\hspace{2cm}}\%$ | 24. $2.2 = \underline{\hspace{2cm}}\%$ |
| 25. $0.03 = \underline{\hspace{2cm}}\%$ | 26. $0.111 = \underline{\hspace{2cm}}\%$ | 27. $11.2 = \underline{\hspace{2cm}}\%$ | 28. $0.25 = \underline{\hspace{2cm}}\%$ |

You can also write a percent as a decimal. To write a percent as a decimal, move the decimal point two places to the left.

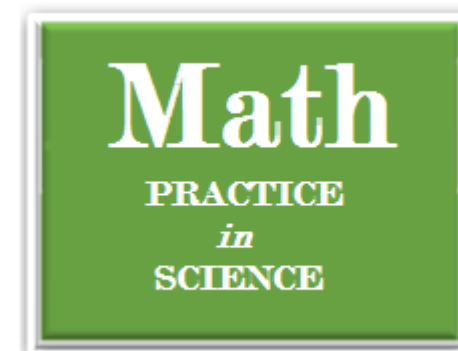
Examples: $42\% = .42$ $6\% = .06$ $132\% = 1.32$ $20\% = .20$ or $.2$
(final zeros may be dropped)

Rename each percent as a decimal.

- | | | | |
|---|---|---|--|
| 29. $46\% = \underline{\hspace{2cm}}$ | 30. $60\% = \underline{\hspace{2cm}}$ | 31. $8\% = \underline{\hspace{2cm}}$ | 32. $56\% = \underline{\hspace{2cm}}$ |
| 33. $80\% = \underline{\hspace{2cm}}$ | 34. $254\% = \underline{\hspace{2cm}}$ | 35. $1\% = \underline{\hspace{2cm}}$ | 36. $183\% = \underline{\hspace{2cm}}$ |
| 37. $92\% = \underline{\hspace{2cm}}$ | 38. $1.2\% = \underline{\hspace{2cm}}$ | 39. $120\% = \underline{\hspace{2cm}}$ | 40. $17.5\% = \underline{\hspace{2cm}}$ |
| 41. $2\% = \underline{\hspace{2cm}}$ | 42. $.021\% = \underline{\hspace{2cm}}$ | 43. $2.2\% = \underline{\hspace{2cm}}$ | 44. $352\% = \underline{\hspace{2cm}}$ |
| 45. $5\% = \underline{\hspace{2cm}}$ | 46. $3.11\% = \underline{\hspace{2cm}}$ | 47. $.11\% = \underline{\hspace{2cm}}$ | 48. $96\% = \underline{\hspace{2cm}}$ |
| 49. $1.3\% = \underline{\hspace{2cm}}$ | 50. $12.3\% = \underline{\hspace{2cm}}$ | 51. $41\% = \underline{\hspace{2cm}}$ | 52. $1.023\% = \underline{\hspace{2cm}}$ |
| 53. $2.22\% = \underline{\hspace{2cm}}$ | 54. $0.03\% = \underline{\hspace{2cm}}$ | 55. $0.01\% = \underline{\hspace{2cm}}$ | 56. $0.019\% = \underline{\hspace{2cm}}$ |

072 Math Practice

Renaming Percents



Percents are also like fractions. Both percents and fractions are parts of a whole. You can change a percent to a fraction. All you have to do is multiply the percent times $\frac{1}{100}$. Always simplify your answers if possible.

% means "times one-hundredth" or " $\times \frac{1}{100}$."

Example: Change each percent to a common fraction. Write your answers in lowest terms.

$$64\% = \frac{64}{100} = \frac{16}{25}$$

$$5\% = \frac{5}{100} = \frac{1}{20}$$

$$8\frac{1}{3}\% = \frac{1}{12}$$

$$64\% \times \frac{1}{100} = \frac{64}{100} = \frac{16}{25}$$

$$5 \times \frac{1}{100} = \frac{5}{100} = \frac{1}{20}$$

$$8\frac{1}{3} \times \frac{1}{100} = \frac{25}{3} \times \frac{1}{100} = \frac{25}{300} = \frac{1}{12}$$

**Rename each percent as a common fraction.
Write your answers in the lowest terms.**

- | | | | |
|-----------------------------|----------------|------------------------------|------------------------------|
| 1. 28% = ____ | 2. 8% = ____ | 3. 11% = ____ | 4. 44% = ____ |
| 5. 105% = ____ | 6. 85% = ____ | 7. 72% = ____ | 8. $2\frac{1}{2}\%$ = ____ |
| 9. $33\frac{1}{3}\%$ = ____ | 10. 14% = ____ | 11. 7% = ____ | 12. $18\frac{1}{3}\%$ = ____ |
| 13. 120% = ____ | 14. 48% = ____ | 15. $12\frac{1}{2}\%$ = ____ | 16. 2% = ____ |

Fractions, decimals, and percents can all be used to express the Same quantity. Fill in the missing values on these two charts.

	Fraction =	Decimal	= Percent
17.	$\frac{3}{4}$		
18.		.36	
19.			16%
20.	$\frac{2}{3}$		
21.			8%
22.	$\frac{13}{20}$		
23.		.4	
24.		.148	
25.	$\frac{7}{40}$		

	Fraction =	Decimal	= Percent
26.			50%
27.		2.6	
28.	$\frac{5}{6}$		
29.			48%
30.		.05	
31.			55%
32.		.26	
33.	$\frac{3}{5}$		
34.			35%