

Percents

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Example: One percent of 8 is $1/100^{th}$ of 8 or

$$1\% \text{ of } 8 \text{ is: } \frac{1}{100} \cdot 8 = \frac{8}{100} = 0.08$$

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Percentages other than 1 are defined as the *number of hundredths* of the whole.

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Example: 10 percent of 200 is $10/100^{ths}$ of 200 or

$$10\% \text{ of } 200 \text{ is: } \frac{10}{100} \cdot 200 = \frac{10 \cdot 200}{100} = \frac{2000}{100} = 20$$

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Example: 35 percent of 80 is $35/100^{ths}$ of 80 or

$$35\% \text{ of } 80 \text{ is: } \frac{35}{100} \cdot 80 = \frac{35 \cdot 80}{100} = \frac{2800}{100} = 28$$

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Example: 15 percent of 140 is $15/100^{ths}$ of 140 or

$$15\% \text{ of } 140 \text{ is: } \frac{15}{100} \cdot 140 = \frac{15 \cdot 140}{100} = \frac{2100}{100} = 21$$

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Example: 25 percent of 60 is $25/100^{ths}$ of 60 or

$$25\% \text{ of } 60 \text{ is: } \frac{25}{100} \cdot 60 = \frac{25 \cdot 60}{100} = \frac{1500}{100} = 15$$

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Example: 68 percent of 20 is $68/100^{th}$ s of 20 or

$$68\% \text{ of } 20 \text{ is: } \frac{68}{100} \cdot 20 = \frac{68 \cdot 20}{100} = \frac{1360}{100} = 13.6$$

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Example: 68 percent of 20 is $68/100^{ths}$ of 20 or

$$68\% \text{ of } 20 \text{ is: } \frac{68}{100} \cdot 20 = \frac{68 \cdot 20}{100} = \frac{1360}{100} = 13.6$$

Example: 42 percent of 130 is $42/100^{ths}$ of 130 or

$$42\% \text{ of } 130 \text{ is: } \frac{42}{100} \cdot 130 = \frac{42 \cdot 130}{100} = \frac{5460}{100} = 54.6$$

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Example: 30 percent of 90 is $30/100^{ths}$ of 90 or

$$30\% \text{ of } 90 \text{ is: } \frac{30}{100} \cdot 90 = \frac{30 \cdot 90}{100} = \frac{2700}{100} = 27$$

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Example: 30 percent of 90 is $30/100^{ths}$ of 90 or

$$30\% \text{ of } 90 \text{ is: } \frac{30}{100} \cdot 90 = \frac{30 \cdot 90}{100} = \frac{2700}{100} = 27$$