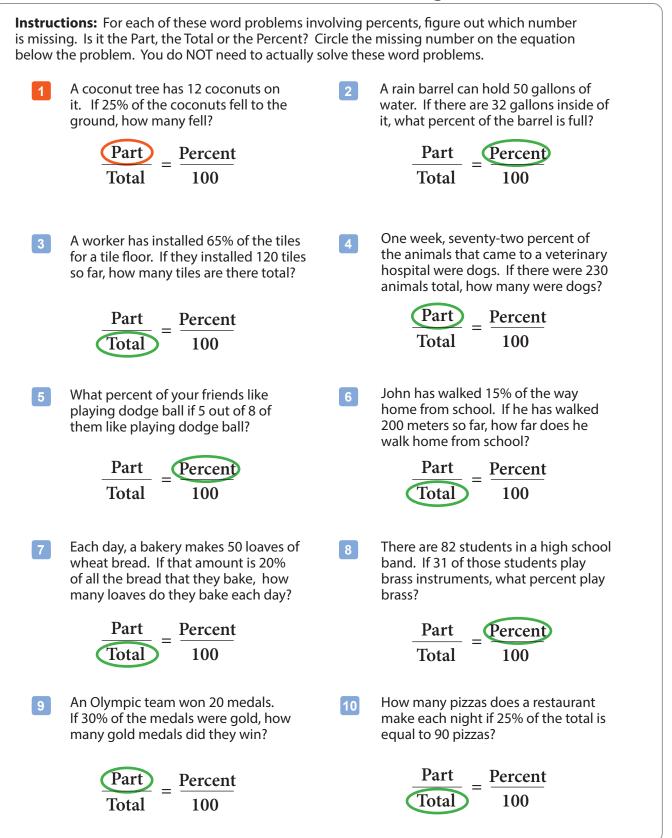


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WP 1

Percent Word Problems: What Number is Missing?



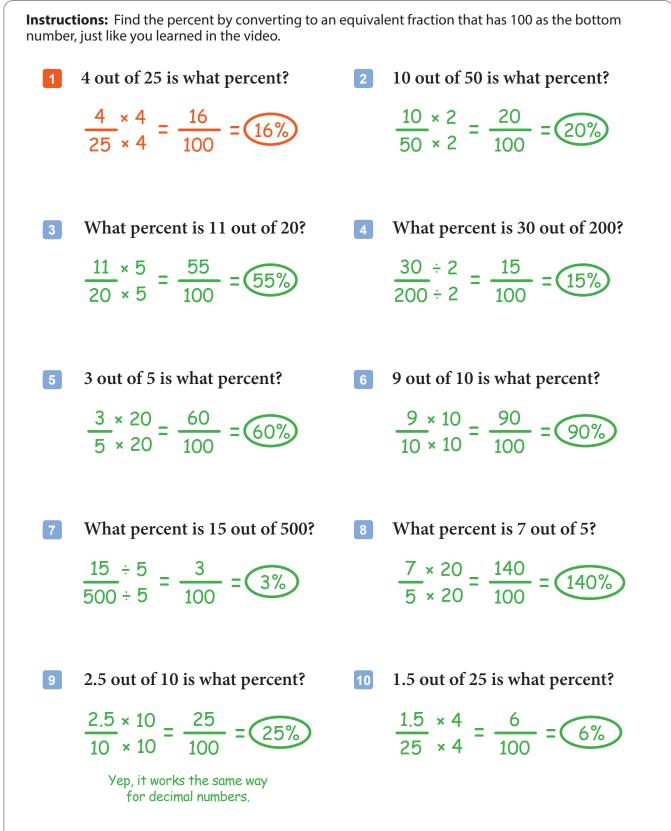


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WP 2

Date:

What Percent Is It? - Equivalent Fraction Method





Name:

Date:

WP 3

What Percent Is It? - Division Method

Instructions: The formula for finding a percent by the division method is shown below. First, divide the top number by the bottom number to get the decimal value of the fraction. Then, just move the decimal point two places to the right (which is exactly the same as multiplying by 100). You can use a calculator to do the division if you need to. Some percents will still have decimal digits (like 12.5%) Formula: **Example** 6 out of 8 is what percent? divide $\frac{b}{a} = 0.75$ $\frac{\text{Part}}{\text{Total}} \times 100 = \text{Percent}$ $0.75 \times 100 = (75)$ then multiply by 100 (or move the decimal point) 6 out of 30 is what percent? What percent is 8 out of 32? 1 2 $\frac{8}{32}$ = 0.25 0.25 x 100= 25% $\frac{6}{30} = 0.2$ 0.2 × 100 = 20% 9 out of 25 is what percent? 45 out of 60 is what percent? 3 4 $\frac{9}{25} = 0.36$ 0.36 × 100= 36% $\frac{45}{60} = 0.75$ 0.75 × 100= 75% What percent is 3 out of 8? What percent is 7 out of 8? 6 5 $\frac{1}{8} = 0.875$ $\frac{3}{8} = 0.375$ 0.375 × 100 = (37.5% 0.875 × 100 = (87.5%) 5 out of 15 is what percent? 5 out of 16 is what percent? 7 8 $\frac{5}{16}$ = 0.3125 $\frac{5}{15} = 0.33\overline{3}$ 0.333 × 100 = (33.3%) 0.3125 × 100 = (31.3%) rounded off rounded off

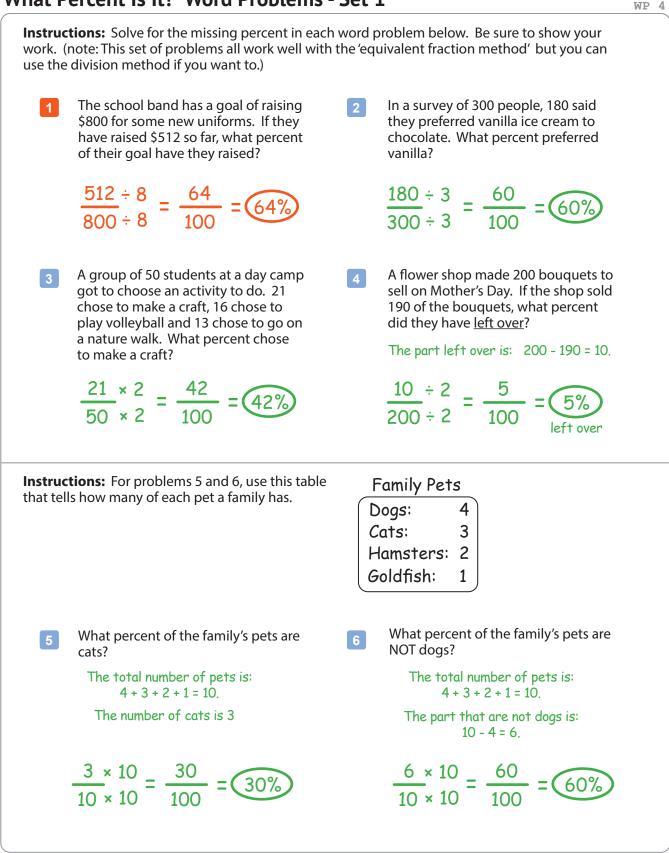
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What Percent Is It? Word Problems - Set 1



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What Percent Is It? Word Problems - Set 2

WP 5 **Instructions:** Solve each word problem below. Use the division method for these problems. You can use a calculator to do the division. If the percent has decimal digits, round it off to one decimal place (like 12.5%). If there are 5 gallons of gas in a car's A salt water fish tank has 24 fish in it. 2 fuel tank, and the tank can hold a If 3 of those fish are Clown Fish, what total of 18 gallons. What percent of percent are Clown Fish? the tank is full? $\frac{5}{18} = 0.277\overline{7}$ $0.277\overline{7} \times 100 = (27.8\%)$ $\frac{3}{24} = 0.125$ $0.125 \times 100 = (12.5\%)$ A battery that lasts for 12 hours A marathon is a 26 mile run. If a 3 4 has been in use for 7 hours. What marathon runner has run 19 miles percent of the battery life has been so far, what percent of the marathon used up? has she completed? $\frac{7}{12} = 0.583\overline{3}$ $\frac{19}{26} = 0.7308$ $0.583\overline{3} \times 100 = (58.3\%)$ $0.7308 \times 100 = (73.1\%)$ Instructions: For problems 5 thru 8, Pies Made Daily use this table that tells how many pies Blueberry: Apple: 80 30 a bakery makes each day. 50 Cherry: Banana Cream: 25 Peach: 40 Key Lime: 15 **Total Pies Made Daily: 240** What percent of the pies are apple? What percent of the pies are blueberry? 5 6 The total number of pies is 240 $\frac{30}{240}$ = 0.125 = (12.5%) $\frac{80}{100}$ = 0.333 = 33.3% What percent of the pies are key lime? What percent of the pies are NOT peach? 5 6 The part that are not peach is $\frac{15}{240}$ = 0.0625 = 6.3% 240 - 40 = 200 $\frac{200}{240}$ = 0.833 = 83.3%

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