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| **MODULE:** 8 | **LESSON:** 3 | SOLVING PERCENT PROBLEMS |

***To find the percent of a number:***

**30% of 50**

Step 1: Change the percent into a decimal. (Move the decimal 2 places to the left)

30% = 0.3

Step 2: Multiply ( ***of*** means multiply).

0.3 • 50 = 15.0

So, 30% of 50 is 15

Finding a percent when given a part and a whole…

**The school principal spent $2000 to buy some new computer equipment. Of this money, $120 was used to buy some new keyboards. What percent of the money was spent on keyboards?**

Step 1: Set up a proportion using $\frac{\%}{100}= \frac{ part (is)}{whole (of)}$

$$\frac{\%}{100}= \frac{120}{2000}$$

Step 2: Solve.

$$\frac{6}{100}= \frac{120}{2000}$$

**So, the principal spent 6% of the money on keyboards.**

Finding a whole given a part and a percent…

**12 of the students in the school choir like to sing solos. These 12 students make up 24% of the choir. How many students are in the choir?**

$\frac{\%}{100}= \frac{ part}{whole}$

$\frac{24}{100}= \frac{12}{x}$

X = 50

There are 50 students in the choir.