The Percent Equation   Lesson 2-4

- Another way to find the missing part (p), percent (%), or whole (w) besides the percent proportion is to use **the percent equation**.

: part = percent • whole : ⇨

Type of question	Example	Equation
Find the <u>Percent</u>	"4 is **what percent** of 5?"	4 = % • 5
Find the <u>Part</u>	"**What number is** 80% of 5?"	p = 80% • 5
Find the <u>Whole</u>	"4 is 80% **of** what number?"	4 = 80% • w

| 1) Find 72% of 50.

 % =

 p =

 w = | 2) 39 is 84% of what number?

 **Remember to change the Percent to its Decimal or Fraction Form

 % =

 p =

 w = | 3) What percent of 40 is 9?
 *****Make sure to write the decimal as a percent for your <u>final answer</u> by multiplying the decimal by 100.

 % =

 p =

 w = |

How well do you know Florida? Take this 6 question quiz to find out!

DIRECTIONS: Circle the letter that you choose for your answer.

1. What is Florida's state Flower? **A.** Camellia **B.** Sunflower **C.** Orange Blossom	**2.** What is Florida's state Bird? **A.** Northern Mockingbird **B.** Mountain Bluebird **C.** Wild Turkey	**3.** What is Florida's state Gem? **A.** Diamond **B.** Moonstone **C.** Isle Royale Greenstone
4. What is Florida's state Sales Tax? **A.** 6% **B.** 7% **C.** 8%	**5.** What is the name of the Longest River in Florida? **A.** Matanzas River **B.** Salt Springs River **C.** St. Johns River	**6.** What is Florida's state Marine Mammal? **A.** Manatee **B.** Gray whale **C.** Orca whale

DIRECTIONS: After the correct answers are given, use the <u>Percent Equation</u> to find your percentage score.

Total number of questions (whole) = _____

Number of questions you got Correct (part) = _____

Percentage Score (%) = _____

<u>Show your work here:</u>

Equation: _____