**Percent and Proportional Relationships**

**Formula:**  **A = P x W** (part of the whole = % in fraction or decimal x whole)

**A** – part of the whole **P** - % in fraction or decimal  **W** – whole

**Finding a Part of a Number:**

Whatnumber is 35% of 75?

**A = P x W** 🡪 **A** = (35/100) x 75 🡪 **A** = 0.35 x 75 🡪 **A = 26.25**

CFU:

What number is 47.5% of 208?

**Finding a Percent:**

16.7 is what **percent** of 60?

**A = P x W** 🡪 16.7 = **P** x 60 🡪 16.7 =  **P** x 60 🡪 **0.28 = P**

60 60

CFU:

14 is what percent of 87?

**Finding a Whole:**

23 is 45% of what number?

**A = P X W** 🡪 23 = 45/100 x **W** 🡪 23 = 0.45 x  **W** 🡪 **51 = W**

0.45 0.45

CFU:

54 is 78% of what number?