Lesson 8.1 – Equations and Mental Math

**Standard:** *A.F. 1.1*– Write and solve linear equations in one variable

**Content Objective (Know):** I will know how to multiply decimals.

**Language Objective (Do):** I will write on my white board then orally describe the steps to multiply decimals to my shoulder partner and in mix-pair share.

**Vocabulary:**

1. **Equation** – A mathematical statement indicating two expressions are equal.

**Example** – *n*-10 = 5

1. **Solution –** A number that you substitute for a variable.

**Example –** *n*-10 = 5, ***n* = 15**

|  |  |
| --- | --- |
| **Equation** | **Solution** |
| *n*+ 2 = 12 | *n* = 10 |
| 3p = 12 |  |
| $$\frac{21}{b}=7$$ |  |
| 9 $÷h=3$ |  |

**Whiteboard – CFU**

**Find the solution**

1. **) 5 *x* = 35**
2. **) 16 + *y* = 22**
3. **) 9 = *z* – 12**

**Tell whether the number is a solution or not a solution**

1. **) 40 = 8*r*; 5**
2. **) *s* + 5 = 11; 7**
3. **) 24 – *a* = 13; 9**

**Write the verbal sentence as an equation. Let *n* represent the number.**

1. **) The sum of a number and -9 equals 24**
2. **) The quotient of 3 and a number is twice 23.**