7. 3 Solving Equations Using Multiplication or Division **ESSENTIAL QUESTION:**

3 TYPES OF EQUATIONS

1.
$$3x = 27$$

$$2. \quad \frac{w}{7} = 9$$

$$1.\frac{w}{7} = 9.7$$
 $w = 63$

3.
$$\frac{2}{3}x = 12$$

$$\frac{\text{ON YOUR OWN}}{1. \quad \frac{w}{4} = 12}$$

4.
$$14 = \frac{2}{5}y$$

7.
$$p \cdot 3 = 18$$

To solve a multiplication, you need to do the

To solve a division equation, you need to do the invested of division. (multiply on both sides)

To solve a multiplication equation when there is a $\frac{f_{rac} + rac}{r}$ on you need to $\frac{mu + rac}{r}$ both sides by the $\frac{rac}{r}$

2.
$$\frac{2}{7}x = 12$$

5.
$$3z \div 2 = 9$$

8.
$$12q = 60$$

3.
$$\frac{a}{8} = 12$$

6.
$$5b = 65$$

9.
$$81 = 9r$$

$$\frac{9}{9} = \frac{18}{9}$$