Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Solving One Step Equations- Multiplication & Division**

|  |  |
| --- | --- |
| $$+$$ | $$- $$ |
| $$×$$ | $$÷$$ |

The opposite of addition is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The opposite of subtraction is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The opposite of multiplication is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The opposite of division is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**What is being done to ‘*x*’ in each case?**

1. $x+14=20$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. $x-7=100$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. $-4x=20$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. $\frac{x}{10}=60$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Let’s look at how we can ‘undo’ what is being done to x.

 \*You will do the opposite of what is being done to undo it.

 \*Whatever you do to one side, you will do to the other side (math is fair)

**Multiplication and Division Algebra Equations**

1. $2x=16$ 6. $\frac{x}{5}=40$

Some problems that are just a little different:

8. – $\frac{d}{7}$= –13

7. –7*t* = 49