Special Case Equations

Name ______ Date _____

Each of these scales is balanced. Choose a number to fill into the boxes in each problem that will keep the scale balanced. You may only choose one number per problem and must plug the <u>same</u> number into <u>all</u> of the boxes

I. Any # will work to make this true. 15

2. 8 8 The only # that works is 16

8 8 16

One Socution

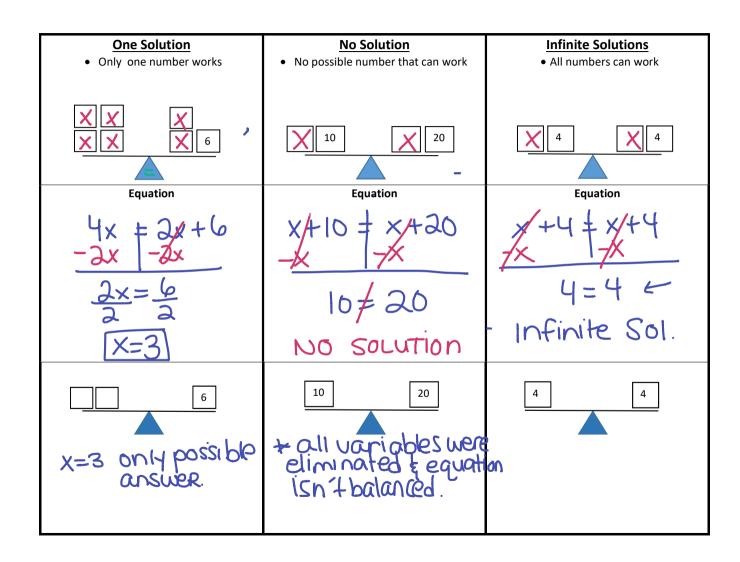
3. 20 NOT 13
POSSIBLE
NO SOLUTION

Infinite solutions

4. 7 Anythwill 7 work. 7

5. 10 30
The #that works is 10

6. 20 Not Possible



$$\frac{7x + 3 + 7x + 3}{-7x} = \frac{7x + 3}{3} = \frac{3}{3} \ln f.$$

$$\frac{4x + 2 + 3x + 4}{-2x + 2 - 2x}$$

$$x + x + 3 = 2(x + 3)$$

 $2x+3 = 2x+6$
No Sol.