

W-PA Pre-Algebra Week 5 10/5

$$1.) \downarrow 8 + (-4) = \boxed{4}$$
$$8 - 4 = 4$$

$$2.) \downarrow -8 + (-4) = \boxed{-12}$$
$$8 + 4 = 12$$

$$3.) \downarrow -8 + 4 = \boxed{-4}$$
$$8 - 4 = 4$$

$$4.) 8 + 4 = \boxed{12}$$

$$5.) 5 + (-7) = \boxed{-2}$$
$$7 - 5 = 2$$

$$6.) -5 + (-7) = \boxed{-12}$$

$$7.) 5 + 7 = \boxed{12}$$

$$8.) \downarrow -5 + 7 = \boxed{2}$$
$$7 - 5 = 2$$

$$9.) -(-5) + 7$$
$$\downarrow$$
$$5 + 7 = \boxed{12}$$

$$1.) \downarrow 4 - 6 = \boxed{-2}$$
$$4 + (-6)$$
$$6 - 4 = 2$$

$$2.) -4 - 6 = \boxed{-10}$$
$$\downarrow$$
$$-4 + (-6)$$

$$3.) 4 - (-6) = \boxed{10}$$
$$4 + (+6)$$

$$4.) -4 - (-6) = \boxed{2}$$
$$-4 + +6$$
$$-4 + 6$$

$$5.) -3 - 8 = \boxed{-11}$$
$$-3 + (-8)$$

$$6.) 3 - 8 = \boxed{-5}$$
$$3 + (-8)$$
$$8 - 3 = 5$$

$$7.) -3 - (-8) = \boxed{5}$$
$$-3 + 8 =$$

$$8.) 3 - (-8) = \boxed{11}$$
$$3 + 8 =$$

Mult/Dividing Real Numbers

Public School

<u>You</u>	<u>Everyone</u>	<u>Situation</u>
Happy	Happy	Good
Sad	Happy	Bad
Happy	Sad	Bad
Sad	Sad	Good!!

$$(-7) * 8 = -56$$

$$7 * (-8) = -56$$

$$7 * 8 = 56$$

$$(-7) * (-8) = 56$$

different signs \rightarrow 😞

same signs \rightarrow 😊

1.) $4 * (-12) =$
 $\boxed{-48}$

2.) $4 * 12$
 $\boxed{48}$

3.) $-4 * 12$
 $\boxed{-48}$

4.) $-4 * (-12)$
 $\boxed{48}$

5.) $\frac{-36}{9} \boxed{-4}$

6.) $\frac{-36}{-9} \boxed{4}$

7.) $\frac{36}{9} \boxed{4}$

8.) $\frac{36}{-9} \boxed{-4}$

$(-2)(-2)(2)(-2)(-2)$ 32
 $\uparrow \uparrow \uparrow \uparrow \uparrow$
 $- \quad + \quad + \quad - \quad (+)$
 even # of negative
 numbers \rightarrow positive

$(-2)(-2)(2)(2)(-2) = \boxed{-32}$
 odd # of negative
 numbers \rightarrow negative

Day	1	2	3	4	5	6	7
Cupcakes Eaten	8	12	16	20	24	28	32
More than the Day Before	8	4	4	4	4		

12-8

- ~~T 130~~
- ~~L 144~~
- ~~W 412~~
- ~~D 120~~
- ~~F 164~~

Day 30

$$4(n-1) + \text{start}$$

$$4(30-1) + \text{start}$$

$$4(29) = 116 + 8$$

124

Premise:

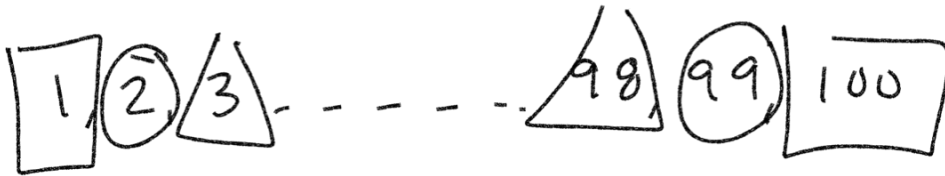
Add all the numbers together
from 1 to 100

T 10,000

L 5050 ✓

F 547

W 300



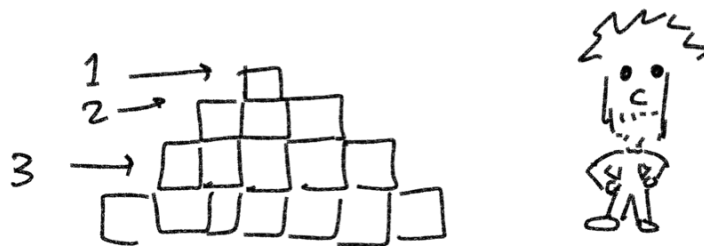
$$1 + 100 = 101$$

$$2 + 99 = 101$$

$$3 + 98 = 101$$

50 pairs

$$50(101) = 5050$$



Row Number	1	2	3	4	5	6
Boxes in Row	1	3	5	7	9	11
Total Number of Boxes in display	1	4	9	16	25	36

Describe pattern: Add 2 to each increment
Add consecutive odd numbers

How many boxes in 9 rows: 81

Row 40 $40 \cdot 40 = 1600$

$9 \times 9 = 81$

