TH-PA Pre-Algebra Week 5 10/3

1.) $8 + (-4)$ (4)

Different signs → difference

$8 + (-4)$

$8 - 4 = 4$

2.) $-8 + (-4) = -12$

same signs → sum

$8 + 4 = 12$

3.) $-8 + 4 = -4$

Different signs → difference

$8 - 4 = 4$

4.) $8 + 4$ (12)

5.) $5 + (-7) = -2$

Different signs → difference

$7 - 5 = 2$

6.) $-5 + (-7) = -12$

same signs → sum

$5 + 7 = 12$

7.) $5 + 7 = 12$

8.) $-5 + 7 = 2$

Different signs → difference

$7 - 5 = 2$

9.) $-(-5) + 7$

opposite $5 + 5 + 2$

$5 + 7 = 12$

1.) $4 - 6 = -2$

$4 + (-6)$

2.) $-4 - 6 = -10$

$-4 + (-6)$

3.) $4 - (-6)$

$4 + 6 = 10$

4.) $-4 - (-6) = 2$

$-4 + 6$

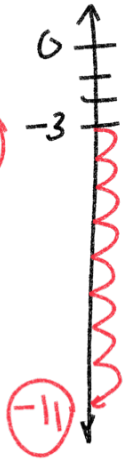
different → difference

$6 - 4 = 2$

5.) $-3 - 8 = -11$

$-3 + (-8)$

-11



6.) $3 - 8 = -5$

$3 + (-8)$

7.) $-3 - (-8)$

$-3 + 8$ (5)

8.) $3 - (-8)$

$3 + 8 = 11$

Multiply & Divide Real Numbers

Field Trip: Public School

You	Everyone Else	Outcome
Happy	Happy	Good
Sad	Happy	Bad
Happy	Sad	Bad
Sad	Sad	Good!!

CONFORMITY!!

$-7 * 8 = -56$ (⊖ ⊕)

$7 * -8 = -56$

} Different signs → Negative

$7 * 8 = 56$

$-7 * (-8) = 56$

} Same signs → Positive!

1.) $4 * (-12)$ -48

2.) $4 * 12$ 48

3.) $(-4) * (-12)$ 48

4.) $-4 * 12$ -48

1.) $\frac{-36}{9}$ -4

2.) $\frac{-36}{-9}$ 4

3.) $\frac{36}{9}$ 4

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

$(-2)(-2)(2)(-2)(-2) = 32$

Even number of negatives → positive

$(-2)(-2)(2)(2)(-2) = -32$

odd number of negatives → negative

7-1

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

Day 30? start $8 + 4(30-1)$

$8 + 4(29)$

$8 + 116 = 124$

Day 7 $8 + 4(7-1)$

$8 + 4(6)$

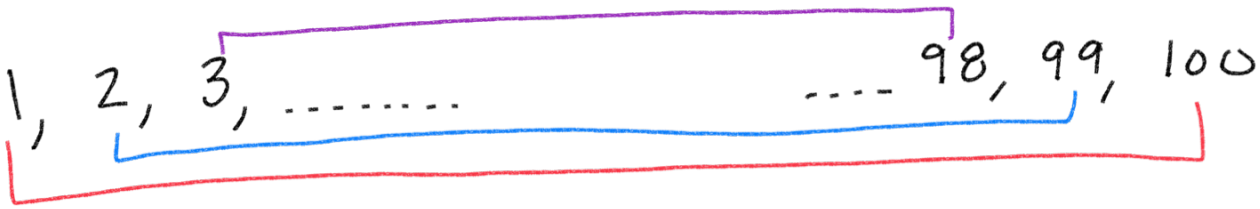
$8 + 24 = 32$

On Day 160? $8 + 4(160-1)$

$8 + 4(159) = \boxed{644}$

Premise: Add all of the numbers together

From 1 to 100



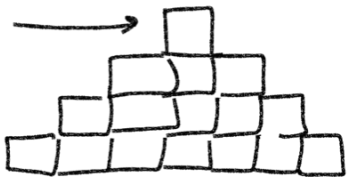
$1 + 100 = 101$ $2 + 99 = 101$ $3 + 98 = 101$

50 pairs of 101 $101 * 50$

$$\begin{array}{r} 101 \\ \times\ 50 \\ \hline 000 \\ 5050 \\ \hline 5050 \end{array}$$

$\boxed{5050}$

Nate Funko Pop 1 →



Row	1	2	3	4	5	6	7
Boxes in Row	1	3	5	7	9	11	13
Total # of Boxes	1	4	9	16	25	36	49

Row 40

How many total boxes?