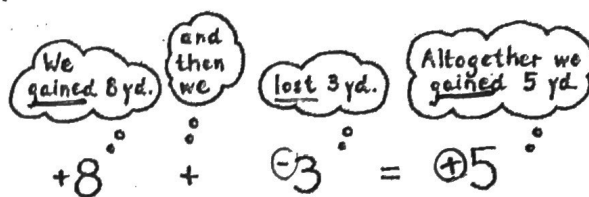
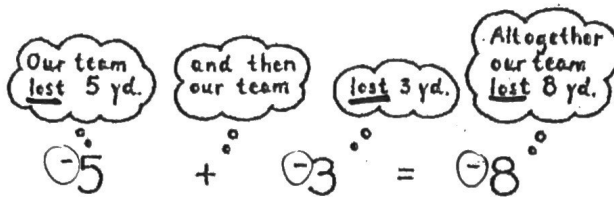


lost = -
gained = +

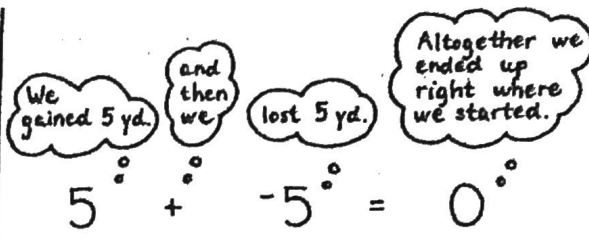
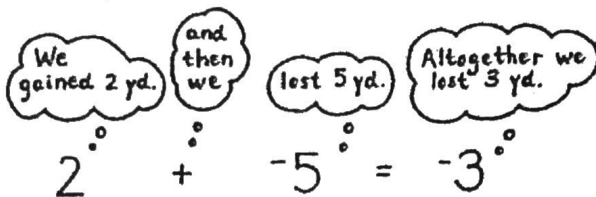
Name: Key

To add integers we can think of a football game. A positive number stands for ground gained by our team; a negative number shows ground lost. Zero is used when there is no gain or loss. Here are some examples:



1) $-12 + (-5) = -17$

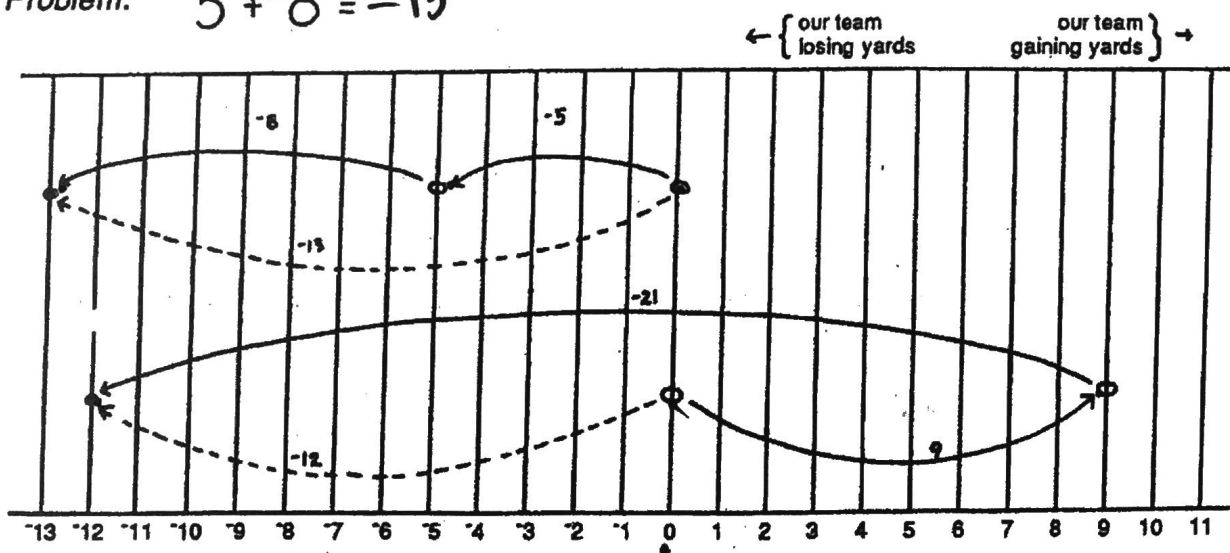
2) $12 + (-5) = 7$



3) $5 + (-12) = -7$

4) $-12 + 12 = 0$

Problem: $-5 + -8 = -13$

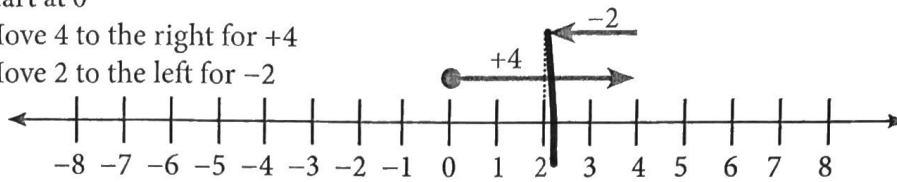


Problem: $9 + -21 = -12$

Number lines are another way to model integer addition. Look at these integer sums on a number line:

Find the value of $4 + (-2)$ using a number line.

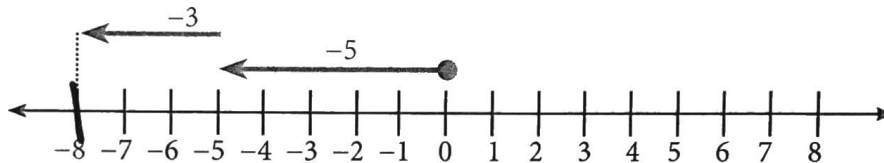
- ◆ Start at 0
- ◆ Move 4 to the right for +4
- ◆ Move 2 to the left for -2



so, $4 + (-2) = 2$

Find the value of $-5 + (-3)$ using a number line.

- ◆ Start at 0
- ◆ Move 5 to the left for -5
- ◆ Move 3 to the left for -3



so, $-5 + (-3) = -8$

Determine the sign of the answer:

- ◆ If both integers are positive, the sum is positive.

$$\boxed{+} + \boxed{+} = \boxed{+}$$

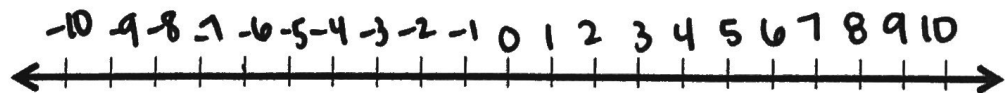
- ◆ If both integers are negative, the sum is negative.

$$\boxed{-} + \boxed{-} = \boxed{-}$$

- ◆ If one integer is negative and the other is positive, the sum is the sign of the number with the greater absolute value.

$$\boxed{-} + \boxed{+} = \boxed{?} + \text{or } -$$

Same Sign:



1) $-3 + (-5) = -8$

2) $3 + 5 = +8$

3) $6 + 4 = +10$

4) $-6 + (-4) = -10$

5) $15 + 15 = +30$

6) $-15 + (-15) = -30$

Different Signs:

7) $13 + (-4) = 9$

8) $8 + (-9) = -1$

9) $-8 + 2 = -6$

10) $-3 + 5 = 2$

11) $+7 + (-7) = 0$

12) $-14 + 6 = -8$

Solve:

13) $-36 + 36 = 0$

14) $13 + (-13) = 0$

15) $-6 + (-6) = -12$

16) $10 + (-20) = -10$

17) $-4 + (-2) = -6$

18) $-8 + 16 = +8$

19) $(6) + (-13) + (8) =$
 $+14 - 13 = (1)$

20) $(-12) + 25 + (-3) =$
 $+13 - 3 = 10$
 $-15 + 25 = (10)$

21) Maria is in a two-day golf tournament. She scored -3 on the first day. On the second day, her score is -5. What is her overall score for the entire tournament?

$(-3) + (-5) = (-8)$

22) Ishmael's stock went up \$17 on Thursday and then down \$13 on Friday. What was the total change in the value of the stock?

$+17 - 13 = (4)$

up = +
down = -