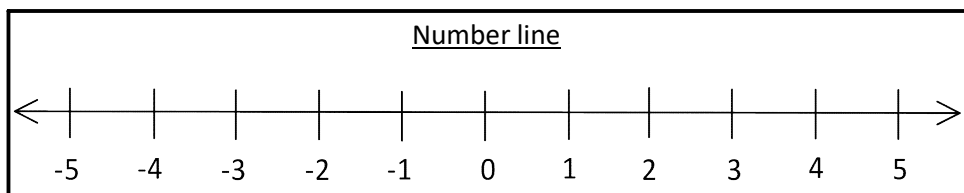


M8 - 8.1 - Adding/Subtracting Number Line Notes

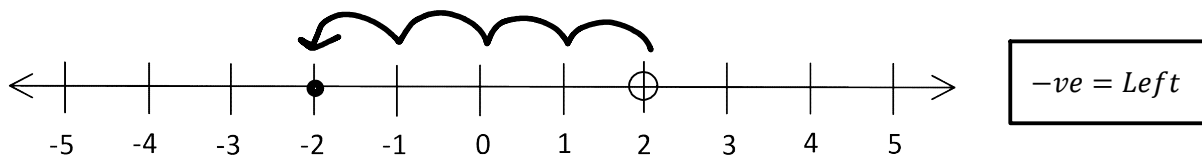


$$2 - 4 =$$

2 → starting point, place pen on 2 ○

- → "left," move left

4 → move left 4



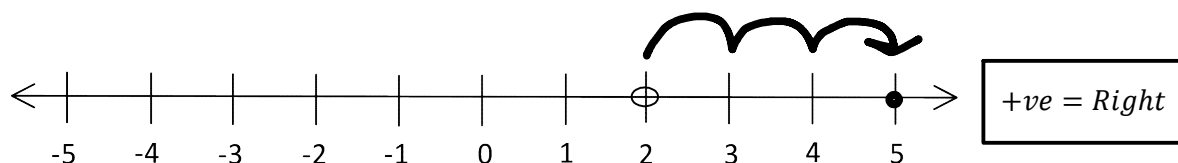
$$2 - 4 = \textcircled{-2} \quad \text{Check on Calculator!}$$

$$2 + 3 =$$

2 → starting point, place pen on 2 ○

+ → "right," move right

3 → move right 3



$$2 + 3 = \textcircled{5} \quad \text{Check on Calculator!}$$

Same Plus

| | |
|--|---|
| $5 + (+2)$ $5 \textcircled{+} \textcircled{+} 2$ \downarrow $5 + 2$ <p>Same Plus</p> $\textcircled{7} \quad \text{Check on Calculator!}$ | $7 - (-4)$ $7 \textcircled{-} \textcircled{-} 4$ \downarrow $7 + 4$ <p>Same Plus</p> $\textcircled{11} \quad \text{Check on Calculator!}$ |
|--|---|

Different Minus

| | |
|---|--|
| $10 + (-3)$ $10 \textcircled{+} \textcircled{-} 3$ \downarrow $10 - 3$ <p>Different Minus</p> $\textcircled{7} \quad \text{Check on Calculator!}$ | $-2 + (-3)$ $-2 \textcircled{+} \textcircled{-} 3$ \downarrow $-2 - 3$ <p>Different Minus</p> $\textcircled{-5} \quad \text{Check on Calculator!}$ |
|---|--|

If you have two of the same sign side-by-side it becomes a positive sign.

If you have two different signs side-by-side it becomes negative

After that use the number line!

$$*-2 - 2 \neq 4 = -4$$