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*I can **add** and **subtract** signed decimals.*

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To add and subtract decimals, you must ___Line___ ___up___ the ___decimals___.

With signed decimals, follow the rules for ___integers___.

Remember... When you are going to subtract, you still have to put the number with the biggest absolute

value on ___top___.

Examples:

1. 5.67 + (-0.35)

$$5.67$$
$$-\,0.35$$
$$\overline{5.32}$$

2. -6.82 – 8.47

-6.82+(-8.47)

$$6.82$$
$$+\,8.47$$
$$\overline{-15.29}$$

3. -0.6 + (-9.56)

$$0.60$$
$$+\,9.56$$
$$\overline{-10.16}$$

4. -4.821 – (-3.2)

-4.821+3.2

$$4.821$$
$$-\,3.200$$
$$\overline{-1.621}$$

5. 3.18 – 7.92

3.18+(-7.92)

$$7.92$$
$$-\,3.18$$
$$\overline{-4.74}$$

6. -8.25 – (-8.14)

-8.25+8.14

$$8.25$$
$$-\,8.14$$
$$\overline{-0.11}$$

7. -21.45 – 6.781 + 2.71

-21.45+(-6.781)+2.71

-25.521

8. 3.003 + (-2.56) – 3

3.003+(-2.56)+(-3)

-2.557

9. -10.45 + (-23.6) – (-2.64)

-10.45+(-23.6)+2.64

-31.41

Fill in the blank charts with decimals.

1)

| Individual | Elevation Relative to Sea Level |
|---|---|
| Jackson | -3.94 |
| Thomas | +1.8 |
| Ariana | -2.75 |
| Mindy | +4.8 |
| Sam | -0.84 |
| Total | -0.93 |

2)

| Day | Balance |
|---|---|
| Monday | -$64.85 |
| Tuesday | _____ |
| Wednesday | +$13.15 |
| Thursday | _____ |
| Friday | +$16.29 |
| Total | -$50.52 |

-$15.11

$$-5.73 + x = -0.93$$

The distance between any two points on the number line is the __absolute__ __value__ of their difference.

**Use the number lines to find the distances between the points.**
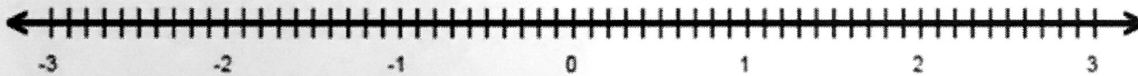


a) $-2.5$ and $-1.3$

$$|-2.5 - (-1.3)| = 1.2$$

$$|-1.3 - (-2.5)| = 1.2$$

b) $-0.8$ and $1.2$

$$|-0.8 - 1.2| = 2$$

$$|1.2 - (-0.8)| = 2$$

c) $1.2$ and $2.9$

$$|1.2 - 2.9| = 1.7$$

$$|2.9 - 1.2| = 1.7$$

d) $-3.5$ and $-1.2$

$$|-3.5 - (-1.2)| = 2.3$$

$$|-1.2 - (-3.5)| = 2.3$$