

## 2.2: Adding Real Numbers

**Goals:** \*Add numbers with same signs  
\*Add numbers with different signs

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### Same Signs:

1. Keep the sign

**Ex:**  $-7 + (-10)$  **-17**

2. Add the numbers

**Ex:**  $-11.5 + (-2.7)$  **-14.2**

### Different Signs:

1. Keep the sign of the bigger number

**Ex:**  $-21 + 6$  **-15**

2. Subtract

**Ex:**  $-12.6 + 7.3$  **-5.3**

**Ex:** The table shows how much weight two dieters lost or gained per month.

- a) Find the total amount of weight lost by each dieter. **Dieter A: -7.9**    **Dieter B: -7.4**
- b) Which dieter had the greater weight loss at the end of three months?

**Dieter A lost more**

Month	Dieter A	Dieter B
1	-3.3	-7.8
2	-5.1	1.2
3	0.5	-0.8

**Ex:** The table below shows the profits of two piano companies over the course of 3 years. (Positive profit means the company made money, while a negative profit means the company lost money)

- a) Find the profits for both companies, then decide which piano manufacturer had the greatest profits after 3 years? **Company A: 9.7**    **Company B: 9.6**    **Company A made more**
- b) How much more money did this company make? **0.1 more**

Year	A	B
1	-5.8	-6.5
2	8.7	7.9
3	6.8	8.2