

Name: _____

Date: _____

Notes

Algebra Section 2.2

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Goal: “Add numbers with same signs”
“Add numbers with different signs”

Same Signs:

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

*Keep the sign and add the numbers

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

*Keep the sign and add the numbers

Ex: $-2\frac{1}{3} + (-1\frac{1}{2}) = -3\frac{5}{6}$

*Keep the sign and add the numbers

Hint: Make a simpler problem if the decimal and/or fraction problem confuses you.

Different Signs:

Ex: $-21 + 6 = -15$

*Take the sign of the greater absolute value and subtract

Ex: $-12.6 + 7.3 = -5.3$

*Take the sign of the greater absolute value and subtract

Hint: Make a simpler problem if the decimal and/or fraction problem confuses you.

Ex: The table shows how much weight two dieters lost or gained per month. Which dieter had the greater weight loss at the end of three months?

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

-7.9

-7.4

Dieter A

Ex: Which piano manufacturer had the greatest profits after 3 years?

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

9.7

9.6

Company A