

Good Morning!

Today you will need:

- Algorithms sheet
- graph spiral
- pencil
- Text Book

Head your graph spiral for Problem 2.1

As a team, answer the questions on pages 32 and 33.
Record the answers in your graph paper.

B You know that $-5 + -3 = -8$. Use this information to help you solve the following related problems.

1. $-5\frac{1}{4} + -3$

2. $-5\frac{1}{5} + -3\frac{3}{5}$

3. $-5\frac{1}{3} + -3\frac{2}{3}$

Class Work Answers:

B. 1. $-5\frac{1}{4} + -3 = -8\frac{1}{4}$

2. $-5\frac{1}{5} + -3\frac{3}{5} = -8\frac{4}{5}$

3. $-5\frac{1}{3} + -3\frac{2}{3} = -9$

C You know that $-8 + +5 = -3$. Use this information to help you solve the following related problems.

1. $-8.35 + +5$

2. $-8.55 + +5.3$

3. $-8.65 + +5.25$

4. Does your algorithm for adding integers from Question A work with fractions and decimals? Explain.

Class Work Answers:

c. 1. $-8.35 + 5 = -3.35$

2. $-8.55 + 5.3 = -3.25$

3. $-8.65 + 5.25 = -3.4$

4. Yes, the algorithm works for decimals and fractions. We are still finding the difference between the numbers when the signs are different, and the sum when the signs are the same.

- E** 1. Find the sums in Group 3.

Group 3
$-5 + +5$
$+9.4 + -9.4$
$+2\frac{1}{4} + -2\frac{1}{4}$

2. What do the examples in Group 3 have in common?

Class Work Answers:

E. 1. Each sum is zero.

2. The problems are addition, the numbers are opposites, and the sums are all zero.

A Little Video Support:
Adding Fractions with
Different Signs

Homework:

p.44 #1-12

(write number sentences to show work)