Homework: Unit 2 Lesson 8

Lesson Summary

* Use the properties of operations to add and subtract rational numbers more efficiently. For instance,
* The opposite of a sum is the sum of its opposites as shown in the examples that follow:

1. Represent each sum as a single rational number.

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| * 1. = | * 1. = | * 1. = |

Rewrite each of the following to show that *the opposite of a sum is the sum of the opposites.* Problem 2 has been completed as an example.

Example:

Distribute the negative sign, as if it everything in the parenthesis is being multiplied by – 1.

**Use your knowledge of rational numbers to answer the following questions.**

1. Jolene lost her wallet at the mall. It had in it. When she got home, her brother felt sorry for her and gave her . Represent this situation with an expression involving rational numbers. What is the overall change in the amount of money Jolene has?