

Objective 1: The student will demonstrate an understanding of numbers, operations, and quantitative reasoning.

Knowledge and Skills Statement

(5.3) Number, operation, and quantitative reasoning: The student adds, subtracts, multiplies, and divides to solve meaningful problems.

Student Expectation

(A) The student is expected to use addition and subtraction to solve problems involving whole numbers and decimals.

ACTIVITY 2 Subtraction Skirmish

Materials

For each pair of students:
Subtraction Skirmish cards
Calculator (to check answers)

Procedure

Divide students into pairs, and distribute materials. Students shuffle the set of *Subtraction Skirmish* cards. Students divide the cards evenly, with each player getting eighteen cards. Each player places his or her cards in a pile, facedown.

The object of the game is to win all of the cards, or to have the most cards when a predetermined amount of time has passed.

Play begins with both players turning over the top card from their piles. The player with the higher card showing has the opportunity to win the skirmish and take both cards, but to do so (s)he must subtract the smaller number from the larger number. That player works the subtraction problem on a piece of paper and shows his or her opponent the answer. Both players use a calculator to check the answer. If the player solved the problem correctly, (s)he takes both cards. If his or her answer was incorrect, his or her opponent takes the two cards.

Whenever a player plays the last card from his or her pile, (s)he takes the cards (s)he won earlier, shuffles them, and places them in a pile, facedown. This becomes the pile from which the next card is turned over, and play continues.

The player who wins all the cards or, if time has run out, the player who has won more cards wins the game.



Subtraction Skirmish (cards)

86.7



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78.5



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0.838



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0.956



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9.28



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9.07



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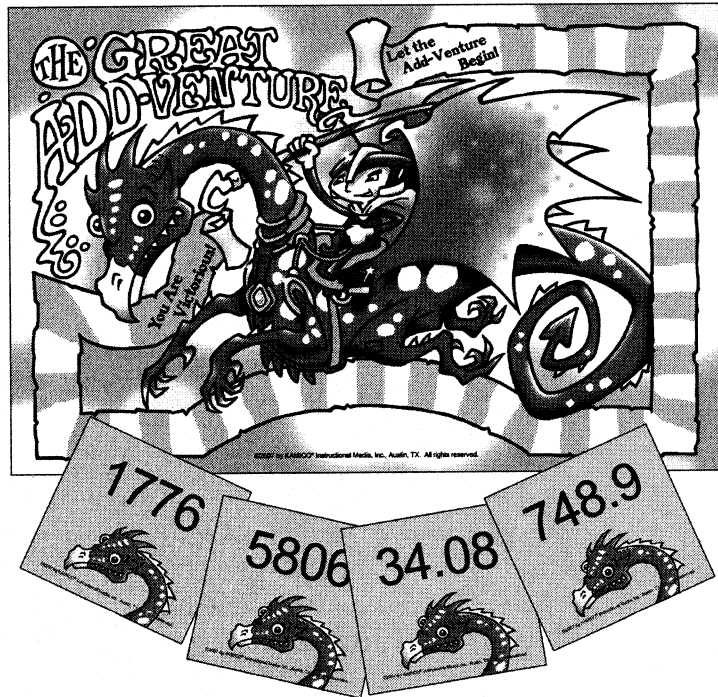


Objective 1/5.3A

Use addition and subtraction to solve problems involving whole numbers and decimals.

Another great game that can be used to develop this TEKS is *The Great Add-Venture*.

For more information, call 254.947.7283 or e-mail gamegallery@kamico.com.



Developmental Series Sample

2009 Edition

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(Question 1-2 of 6)

- 1** In the year 2000, the Pulitzer Prize was awarded to Jhumpa Lahiri for the book *Interpreter of Maladies*. In the year 1947, the Pulitzer Prize was awarded to Robert Penn Warren for the book *All the King's Men*. How many years passed between the time that the Pulitzer Prize was awarded to Robert Penn Warren for *All the King's Men* and the time the Pulitzer Prize was awarded to Jhumpa Lahiri for *Interpreter of Maladies*?

Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.

- 2** The chart shows the number of miles covered by the routes of 5 rail systems in the United States.

Rail System	Number of Miles
New York City Transit Authority	535.4
Chicago Transit Authority	206.3
Washington Metro Area Transit Authority	178.2
San Francisco Bay Area Rapid Transit	151.6
Metropolitan Atlanta Rapid Transit Authority	92.2

Combined, the routes of the 4 largest rail systems shown in the chart cover a distance of —

- A** 1071.5 miles.
- B** 1163.7 miles.
- C** 950.5 miles.
- D** 1060.5 miles.

