Figure 7.5: Division

Advanced Language

- What manipulatives and processes could you use to explain how to complete this division problem to someone who does not understand?
- How many words can you list that are used in word problems to indicate that division is the current operation to apply?
- Explain the process for dividing fractions.

Analytical Thinking

- Name all the attributes you can think of for division.
- How is *division* different from *subtraction*? How are they similar?
- Find the error in this flawed division problem, and explain how to correct it.
- How is division used at home? List all of the examples you can brainstorm.
- What steps are critical in division?

Meaning Motivation

- The answer is product. Think of as many mathematical questions as you can with that answer.
- List all the facts you can think of about the difficulties students experience when completing a division word problem. Rank those difficulties from most to least significant.
- What are unanswered questions related to division?
- Explain what the saying less is more means and how it does or does not relate to division.
- · How many analogies can you write using specific terminology related to division?

Perspective

- What are three ways to complete this division problem?
- In what ways is division the most important operation? Supply evidence to support your perspective.
- Why is it important or not important for students to memorize division math facts?

Sense of Humor

- Create hink pinks, hinky pinkies, or hinkity pinkities using the terminology and process of division.
- After reading *Math Curse*, write and illustrate a new segment for that book using division.
- If you were a pizza, how would you feel about division?

Sensitivity

- How could division be used to help people?
- How do you feel about division and its relevancy to daily life? Why?
- What would you suggest to someone who struggles with division?
- Why do you think some students dislike division more than any other math operation?

Accelerated Learning

- What symbols could be used for the terms _____?
- Why was the process of division created? Provide scenarios as examples of historical applications.
- How are division problems with decimals more or less difficult to complete than problems with only whole numbers?

Kingore, B. (2016). The Kingore Observation Inventory (3rd ed.). Austin, TX: PA Publishing.

