

Lesson 14: The Division Algorithm—Converting Decimal Division into Whole Number Division Using Fractions

Classwork

Example 1

Divide: $31,218 \div 132$.

Example 2

Divide: $974.835 \div 12.45$.

3. Jerod is making candles from beeswax. He has 132.72 ounces of beeswax. If each candle uses 8.4 ounces of beeswax, how many candles can he make? Will there be any wax left over?
4. There are 20.5 cups of batter in the bowl. If each cupcake uses 0.4 cups of batter, how many cupcakes can be made?
5. In Exercises 3 and 4, how were the remainders, or extra parts, interpreted?

6. $159.12 \div 6.8$

7. $167.67 \div 8.1$