Lesson 13: Dividing Multi-Digit Numbers Using the Algorithm

Classwork

Example 1

a.   Create a model to divide: $1{,}755 \div 27$.

b.   Use the division algorithm to show $1{,}755 \div 27$.

c.   Check your work

Example 2

Find the quotient of $205{,}276 \div 38$.

Example 3

Find the quotient of 17,216,673 ÷ 23.

Exercises 1–6

For each question, you need to do the following:

    a.   Solve the question. Next to each line, explain your work using place value.

    b.   Evaluate the reasonableness of your answer.

1.   891,156 ÷ 12

2.   484,692 ÷ 78

3.   281,886 ÷ 33

4.   2,295,517 ÷ 37

5.   952,448 ÷ 112

6.   1,823,535 ÷ 245

Problem Set

1. 459,054 ÷ 54

2. 820,386 ÷ 102

3. 1,183,578 ÷ 227

COMMON CORE | **Lesson 13:**   Dividing Multi-Digit Numbers Using the Algorithm
| **Date:**   10/27/14
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