Unit 8, Lesson 4

Dive Back into Division

Let's estimate and divide.

Warm-up

Notice and Wonder: Blank Spaces

What do you notice? What do you wonder?

$$_____ \div _____ = 136$$

Activity 1

Reasonable Estimates

1. Circle the most reasonable estimate. Explain or show your reasoning.

   a. $364 \div 13$

   20

   30

   40

   b. $540 \div 12$

   40

   50

   60

   c. $1{,}008 \div 14$

   70

   80

   90

2. Find the value of each quotient.

a.

$13\overline{)364}$

b.

$12\overline{)540}$

c.

$14\overline{)1,008}$

Activity 2

Unknown Dividends and Divisors

1. Find numbers that make each equation true. Use a different number in each blank.

_____ ÷ _____ = 700	_____ ÷ _____ = 78
_____ ÷ _____ = 700	_____ ÷ _____ = 78
_____ ÷ _____ = 700	_____ ÷ _____ = 78
_____ ÷ _____ = 700	_____ ÷ _____ = 78
_____ ÷ _____ = 700	_____ ÷ _____ = 78

2. How did you choose the numbers to write in the blanks?