Unit 6, Lesson 19

Divide with Remainders

Let's solve problems involving division including interpreting remainders.

Warm-up

Notice and Wonder: Expressions and Equations

What do you notice? What do you wonder?

division expression	multiplication equations
$100 \div 5$	$100 = 20 \times 5$
$101 \div 5$	$101 = 20 \times 5 + 1$
$102 \div 5$	$102 = 20 \times 5 + 2$
$103 \div 5$	$103 = 20 \times 5 + 3$
$104 \div 5$	$104 = 20 \times 5 + 4$
$105 \div 5$	$105 = 20 \times 5 + 5$

Activity 1

$182 \div 6$

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Write division situations that the expression can represent.

Activity 2

Is There a Remainder?

1. Decide if each expression will result in a remainder. Explain how you know.

   a. $753 \div 6$

   b. $918 \div 9$

   c. $1{,}263 \div 2$

   d. $2{,}630 \div 5$

2. Find the value of 2 expressions. Choose one with a remainder and one without. Explain or show your reasoning.