# 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 |
|:---:|:---:|
| $100 \div 5$ | $100 = 20 \times 5$ |
| $101 \div 5$ | $101 = 20 \times 5 + 1$ |
| $102 \div 5$ | $102 = 20 \times 5 + 2$ |
| $103 \div 5$ | $103 = 20 \times 5 + 3$ |
| $104 \div 5$ | $104 = 20 \times 5 + 4$ |
| $105 \div 5$ | $105 = 20 \times 5 + 5$ |

### $182 \div 6$

$182 \div 6$

Write division situations that the expression can represent.

_____

_____

_____

_____

## 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.