Illustrative Mathematics

Grade 4 Unit 2
Lesson 3
CC BY 2021 Illustrative Mathematics®

Unit 2 Lesson 3: Same Denominator or Numerator

WU Number Talk: Hundreds More (Warm up)
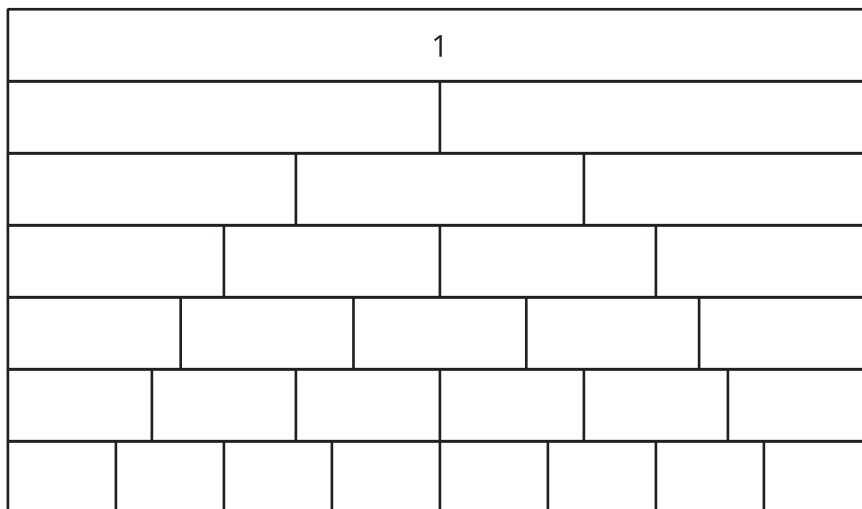
Student Task Statement

Find the value of each expression mentally.

- $136 + 100$
- $136 + 300$
- $136 + 370$
- $136 + 378$

1 Fractions with the Same Denominator

Student Task Statement

1. This diagram shows a set of fraction strips. Label each rectangle with the fraction it represents.

2. Circle the greater fraction in each of the following pairs. If helpful, use the diagram of fraction strips.

   a. $\frac{3}{4}$ or $\frac{5}{4}$

   b. $\frac{3}{5}$ or $\frac{5}{5}$

  c. $\frac{3}{6}$ or $\frac{5}{6}$

  d. $\frac{3}{8}$ or $\frac{5}{8}$

  e. $\frac{3}{10}$ or $\frac{5}{10}$

3. What pattern do you notice about the circled fractions? How can you explain the pattern?

4. Which one is greater: $\frac{7}{3}$ or $\frac{10}{3}$? Explain your reasoning.

2 Fractions with the Same Numerator

Student Task Statement

1. Circle the greater fraction in each of the following pairs. If helpful, use the diagram of fraction strips.

  a. $\frac{1}{3}$ or $\frac{1}{5}$

  b. $\frac{2}{3}$ or $\frac{2}{5}$

  c. $\frac{3}{3}$ or $\frac{3}{5}$

  d. $\frac{4}{3}$ or $\frac{4}{5}$

  e. $\frac{9}{3}$ or $\frac{9}{5}$

2. What pattern do you notice about the circled fractions? How can you explain the pattern?

3. Which one is greater: $\frac{70}{100}$ or $\frac{70}{20}$? Explain your reasoning.

4. Tyler is comparing $\frac{4}{10}$ and $\frac{4}{6}$. He says, "Ten is greater than 6, so $\frac{4}{10}$ is greater than $\frac{4}{6}$." Explain or show why Tyler's conclusion is incorrect.