Unit 4 Lesson 17: Fractions as Partial Quotients

WU What Do You Know About $\frac{60}{6} + \frac{6}{6}$? (Warm up)

Student Task Statement

What do you know about $\frac{60}{6} + \frac{6}{6}$?

1 Select Expressions

Student Task Statement

1. Select **all** the expressions that are equivalent to $\frac{78}{6}$. Explain or show your reasoning.

    A. $78 \div 6$

    B. $\frac{66}{6} + \frac{12}{6}$

    C. $\frac{60}{6} + \frac{18}{6}$

    D. $(60 \div 6) + (18 \div 6)$

    E. $\frac{77}{6} + \frac{8}{6}$

    F. $(60 \div 6) + 18$

2. What is the value of $78 \div 6$? Explain or show your thinking.

2 Choose One Expression

Student Task Statement

1. Use each expression to find the value of $165 \div 15$. Explain or show your thinking.

    a. $\frac{75}{15} + \frac{80}{15} + \frac{10}{15}$

    b. $\frac{30}{15} + \frac{30}{15} + \frac{30}{15} + \frac{60}{15} + \frac{15}{15}$

    c. $\frac{150}{15} + \frac{15}{15}$

2. Choose one expression and use it to find the value of $540 \div 18$. Explain or show your thinking.

    a. $\frac{180}{18} + \frac{180}{18} + \frac{180}{18}$

    b. $\frac{500}{18} + \frac{40}{18}$

c. $\frac{360}{18} + \frac{180}{18}$

3. Which expressions were most helpful? Which expressions were least helpful? Explain or show your thinking.