

Grade 4 Unit 6

Lesson 18

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Unit 6 Lesson 18: Divide with Partial Quotients

WU Number Talk: Divide by 3 (Warm up)

Student Task Statement

Find the value of each expression mentally.

- 90 ÷ 3
- 96 ÷ 3
- $960 \div 3$
- 954 ÷ 3

1 Decompose Dividends

Student Task Statement

- 1. Find the value of $465 \div 5$. Show your reasoning. You may use base-blocks if you find them helpful.
- 2. Here's how Priya finds the value of $465 \div 5$.

$$400 \div 5 = 80$$
$$60 \div 5 = 12$$
$$5 \div 5 = 1$$

$$465 \div 5 = 93$$

- a. What has Priya done? Describe her steps.
- b. How is Priya's method similar to your method?
- c. Use Priya's method to find the value of $428 \div 4$.

2 Tyler's Method

Student Task Statement

Tyler uses a different method to find the value of $465 \div 5$. Let's compare Priya's and Tyler's work.

Priya's method

Tyler's method

- 1. How are Priya and Tyler's methods alike? How are they different? List as many similarities and differences as you can find.
- 2. Why do you think Tyler uses subtraction in his method?
- 3. Show how Tyler might record the process of finding the value of $428 \div 4$.

Images for Activity Synthesis