## Grade 4 Unit 9

Lesson 6
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## Unit 9 Lesson 6: What's the Quotient?

WU Number Talk: Divide by 3 and by 6 (Warm up)

## Student Task Statement

Find the value of each expression mentally.

- $48 \div 3$
- $480 \div 3$
- $528 \div 3$
- $5,280 \div 3$


## 1 Unfinished Divisions

## Student Task Statement

Here are four calculations to find the value of $7,465 \div 5$, but each one is unfinished.
Complete at least two of the unfinished calculations. Be prepared to explain how you know what to do to complete the work.

| 200 | 400 |
| ---: | ---: |
| 80 | 1,000 |
| 13 |  |
| $5 \lcm{7,465}$ | $5 \lcm{7,465}$ |
| -65 | $-5,000$ |
| 7,400 | $-2,465$ |
| $-\quad 400$ |  |
| 7,000 |  |
| $-\quad 1,000$ |  |

$$
\begin{aligned}
5,000 \div 5 & =1,000 \\
60 \div 5 & =12 \\
5 \div 5 & =1
\end{aligned}
$$

7,465 is a little less than 7,500.

$$
\begin{array}{rr}
7,500 \div 5 & =1,500 \\
35 \div 5 & =7
\end{array}
$$

## 2 Where Do We Begin?

## Student Task Statement

1. Jada and Noah are finding the value of $3,681 \div 9$. Jada says to start by dividing 81 by 9 . Noah says start by dividing 3,600 by 9 .
a. Explain why each suggestion is helpful for finding the quotient.
b. Find the value of $3,681 \div 9$. Show your reasoning.
2. Find the missing numbers such that each calculation shows a correct division calculation.

| 703 |
| ---: |
| 3 |

100


6


0


10


3. Consider the expression $5,016 \div 8$.
a. What would you do to start finding the value of the quotient?
b. Show how you would find the value with as few steps as possible.

