

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 ÷ 3
- 480 ÷ 3
- 528 ÷ 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.

$$5,000 \div 5 = 1,000$$

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

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

$$7,500 \div 5 = 1,500$$

 $35 \div 5 = 7$

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	4	6
100		7 0
6 / 4,218	4	7
/ ₋ 3,000	7	7.00
1, 2 1 8		_ 700
<u>- 600</u> 618		
010	- 100	- 700
1.0		
1 8	- 40	- 490
	16	4 2
	- 16	- 42
Ü	0	0

- 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.