



Grade 4 Unit 5

Lesson 4

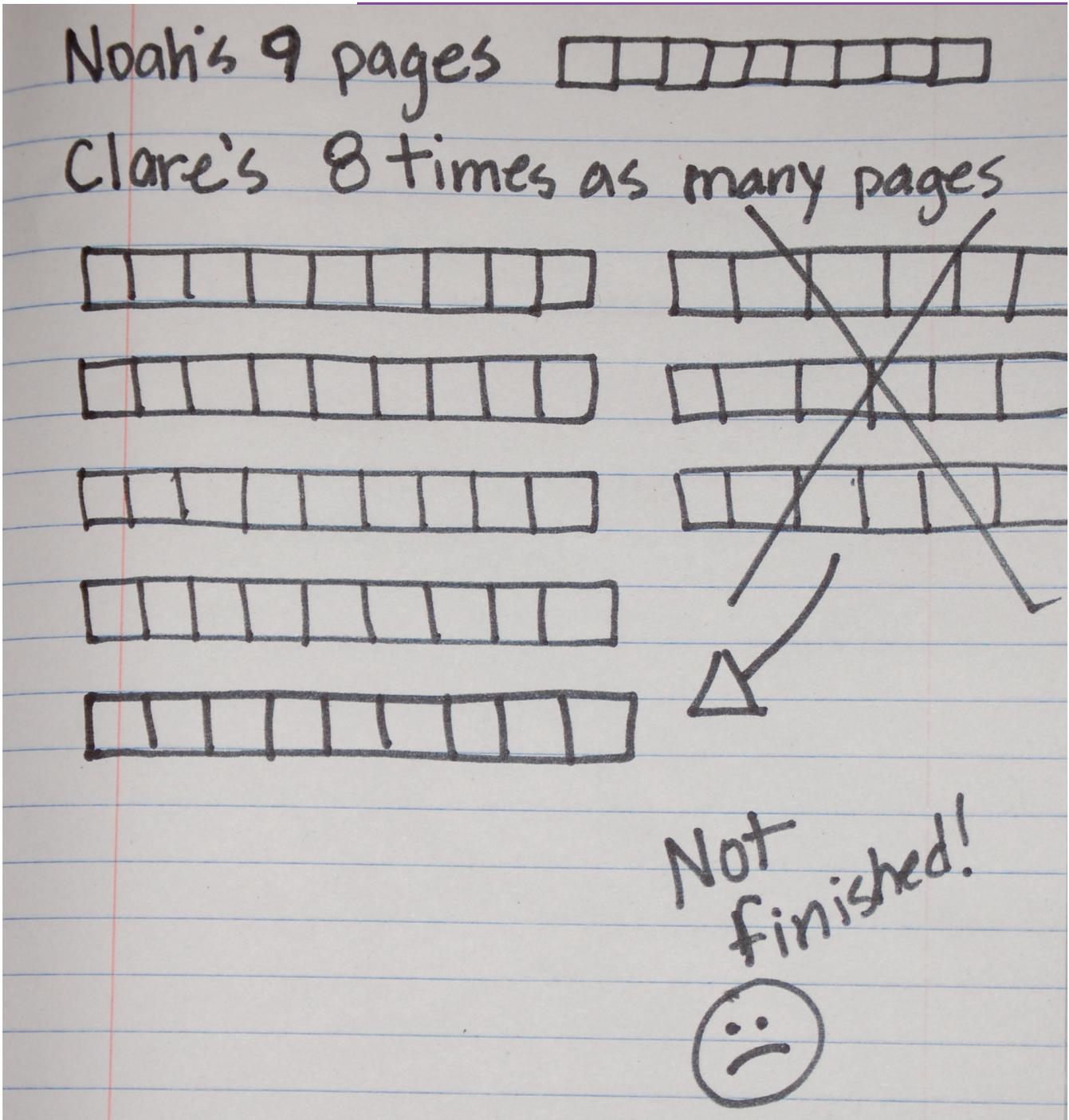
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Unit 5 Lesson 4: Solve Multiplicative Comparison Problems with Large Numbers

WU Notice and Wonder: Too Many Times More? (Warm up)

Student Task Statement

What do you notice? What do you wonder?

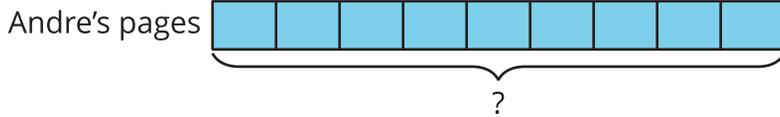


1 A New Kind of Diagram

Student Task Statement

- 1. Mai and Andre compare the number of pages they read on the first day of the reading competition.

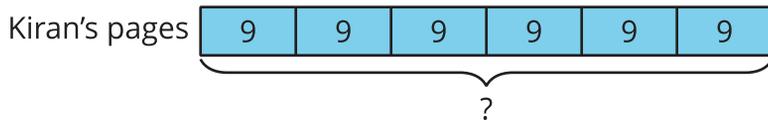
Mai's pages



What would be a good estimate for the number of pages Andre read?

2. The diagram shows the pages Lin and Kiran read on one day of the reading competition.

Lin's pages



- a. Complete the statement and explain how you know.

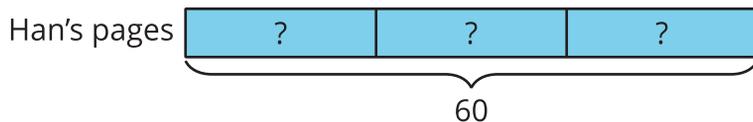
Kiran read ____ times as many pages as Lin.

- b. Write a multiplication equation that compares the pages read by Lin and Kiran.

- c. How many total pages did Kiran read?

3. Jada read some pages. Han read 60 pages altogether.

Jada's pages



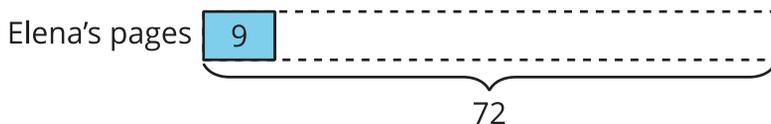
- a. How many times as many pages did Han read? Explain how you know.

- b. Write a multiplication equation to compare the pages read by Han and Jada. Use a symbol to represent the unknown.

- c. How many pages did Jada read? Explain how you know.

4. Elena read 72 pages. Clare read 9 pages.

Clare's pages



- a. How is this diagram different from the earlier diagrams?

- b. Write a multiplication equation to compare the pages read by Elena and Clare. Use a symbol to represent the unknown.

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- c. How many times as many pages does Elena read as Clare?

2 Who Read More?

Student Task Statement

For each situation:

- Write an equation to represent the situation. Use a symbol to represent the unknown.
- Draw a diagram to show the comparison.
- Answer the question about the situation.

1. Diego read 8 times as many books as Lin read. Lin read 7 books.

a. Equation:

b. Diagram:

c. How many books did Diego read?

2. Tyler has some books. Clare has 72 books, which is 12 times as many books as Tyler has.

a. Equation:

b. Diagram:

c. How many books does Tyler have?

3. Noah read 13 books. Elena read 130 books.

a. Equation:

b. Diagram:

c. Complete the statement:

_____ read ____ times as many books as _____ read.