

Grade 4 Unit 5

Lesson 3
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Unit 5 Lesson 3: Solve Multiplicative Comparison Problems

WU Number Talk: Find the Unknown Factor (Warm up)

Student Task Statement

Find the value of each unknown mentally.

- $8 \times ? = 16$
- $3 \times ? = 24$
- $? \times 8 = 32$
- $40 \div 8 = ?$

1 A Book Drive

Student Task Statement

This diagram shows the books Lin and Diego donated for the school book drive.

Lin's books								
Diego's books								

- 1. Lin donated 16 books. Diego donated 4 books. How many times as many books did Lin donate as Diego did? Explain or show your reasoning. Use the diagram if it is helpful.
- 2. Priya donated 3 books. Noah donated 21 books. How many times as many books did Noah donate as Priya did?

Draw a diagram to show your reasoning.

3. Mai made a pile of 27 donated books. Tyler made his own pile of 3 books. How many times as many books did Mai stack as Tyler did?

Explain or show your reasoning.





2 Represent a Missing Amount

Student Task Statement

- 1. Clare donated 48 books. Clare donated 6 times as many books as Andre.
 - a. Draw a diagram to represent the situation.
 - b. How many books did Andre donate? Explain your reasoning.
- 2. Han says he can figure out the number of books Andre donated using division.

Tyler says we have to use multiplication because it says "times as many".

- a. Do you agree with Han or Tyler? Explain your reasoning.
- b. Write an equation to represent Tyler's thinking.
- c. Write an equation to represent Han's thinking.
- 3. Elena donated 9 times as many books as Diego. Elena donated 81 books.

Use multiplication or division to find the number of books Diego donated.