

Lesson 10-6 • Group 2

Reinforce Understanding**10.6 Small Group • Group 2**

I can look back at my answers from Lesson 1-1, describe how my math biography has changed this year, and recognize ways we are all doers of math, explain how I can tell, and judge a case I have not seen before.

Worked model

In September I estimated the Ferris wheel: 20 cars with about 4 riders each is $20 \times 4 = 80$ riders — 'about 80.'

1. Now I can go further with this year's math: at 6 turns an hour, that wheel moves about $80 \times 6 = 480$ riders per hour.
2. Same wheel, same me — but my toolbox grew. That difference IS my math story.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. Answer each quick problem with this year's skills — the same numbers you met in Lesson 1-1.

Complete the table. Show how you found each value.

Problem from this year	Thinking	Answer
50% of 157		
10% of 480		
Riders per hour: 80 per turn $\times$ 6 turns		

Show your work

2. Match each September estimate to the refined result your math produces now.

Write the letter of the matching item on each line.

1. _____ 20 cars $\times$ about 4 riders each
 2. _____ 80 riders $\times$ 6 turns each hour
 3. _____ 78.5 written by place value
 4. _____ 480 riders per hour for 3 hours
- A About 80 riders per turn
 - B 480 riders each hour
 - C $(7 \times 10) + (8 \times 1) + (5 \times 0.1)$
 - D 1,440 riders