

Lesson 10-6 • Group 1

Reinforce Understanding

10.6 Small Group • Group 1

With my small group, 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 — one step at a time, with support.

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. Sort this year's ideas into their areas of mathematics.

Write the name of the correct group on each line.

Groups: Percents Statistics Algebra

- _____ 50% of 157
- _____ The 10% benchmark
- _____ The median of a data set
- _____ A dot plot of class data
- _____ The equation $y = kx$
- _____ The independent variable

2. 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
