

Lesson 1-1 • Group 1

Reinforce Understanding**1.1 Small Group • Group 1**

With my small group, I can describe the ways we are all doers of math, and compare my math story with a classmate's — one step at a time, with support.

Worked model

The Ferris wheel has 20 cars, and about 4 people fit in each car. About how many people can ride at one time?

1. I count the cars: 20. Then I estimate how many riders fit in one car: about 4.
2. I do not count every person — an estimate is a reasoned answer that is close enough to be useful.
3. $20 \times 4 = 80$, so I would say “about 80 people.”

Practice

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

1. Sort each thought by the kind of thinking it shows.

Write the name of the correct group on each line.

Groups: Doer-of-math thinking Stuck thinking

- _____ I can't do this... yet.
- _____ Mistakes give my brain information.
- _____ Let me look for a different entry point.
- _____ An estimate first will help me check my answer.
- _____ I'm just not a math person.
- _____ If it's hard, I should quit.
- _____ There is only one right way to solve it.
- _____ Being fast is the same as being smart.

2. Use mental math to complete each Ferris wheel estimate.

Complete the table. Show how you found each value.

Situation	Estimate	Answer
20 cars, each holding about 4 riders		
About 80 riders each turn, 6 turns in an hour		
About 480 riders each hour, for 2 hours		

Show your work