

Lesson 1-2 • Group 1

Reinforce Understanding**1.2 Small Group • Group 1**

With my small group, I can make sense of a problem, plan a strategy, and use fractions of a whole number to compare quantities — one step at a time, with support.

Worked model

A bowl is full of peas — far too many to count one at a time. About how many peas are in the bowl?

1. I do not count every pea — I look for a group I CAN count, like one small cluster of about 10.
2. Then I ask how many of those clusters would cover the whole bowl. I count about 12.
3. 12 clusters of about 10 is $12 \times 10 = 120$, so my estimate is about 120 peas — a reasoned answer, close enough to be useful.

Practice

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

1. Sort each building plan: shorter or taller than 540 meters?

Write the name of the correct group on each line.

Groups: Shorter than 540 m (fraction less than 1) Taller than 540 m (fraction greater than 1)

- _____ $9/10$ of 540
- _____ $5/6$ of 540
- _____ $3/4$ of 540
- _____ $6/5$ of 540
- _____ $11/10$ of 540
- _____ $7/6$ of 540

2. Compute each building's height as a fraction of 540 meters.

Complete the table. Show how you found each value.

Building plan	Fraction of 540 m	Height (m)
Rio de Janeiro		
Tokyo		
Prototype		

Show your work

3. Which of these is a correct way to decompose 105.76?

Circle the letter of the best answer. Show how you know.

- A. $10 + 5.76$
- B. $100 + 5.76$
- C. $100 + 5.076$
- D. $105 + 7.6$

Show your work