

Lesson 1-2 • Group 2

Reinforce Understanding

1.2 Small Group • Group 2

I can make sense of a problem, plan a strategy, and use fractions of a whole number to compare quantities, explain how I can tell, and judge a case I have not seen before.

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. 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

2. Match each fraction of 540 to a shortcut that computes it.

Write the letter of the matching item on each line.

1. _____ $9/10$ of 540
2. _____ $6/5$ of 540
3. _____ $5/6$ of 540
4. _____ $1/2$ of 540

- A $540 - 54$
- B $540 + 108$
- C $540 - 90$
- D $540 \div 2$