

Grade 4 Unit 3

Lesson 15

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Unit 3 Lesson 15: An Assortment of Fractions**WU Which One Doesn't Belong: Halves, Fourths, Sixths, and Eighths (Warm up)**

Student Task Statement

Which one doesn't belong?

A

$$1\frac{1}{2}$$

C

$$\frac{12}{8}$$

B

$$\frac{4}{4} + \frac{2}{4}$$

D

$$\frac{4}{6}$$

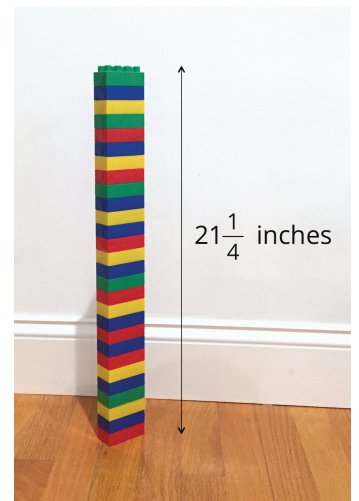
1 All the Way to the Top

Student Task Statement

Priya, Kiran, and Lin are using large playing bricks to make towers. Here are the heights of their towers so far:

- Priya: $21\frac{1}{4}$ inches
- Kiran: $32\frac{3}{8}$ inches
- Lin : $55\frac{1}{2}$ inches

For each question, show your reasoning.



1. How much taller is Lin's tower compared to:

- Priya's tower?
- Kiran's tower?

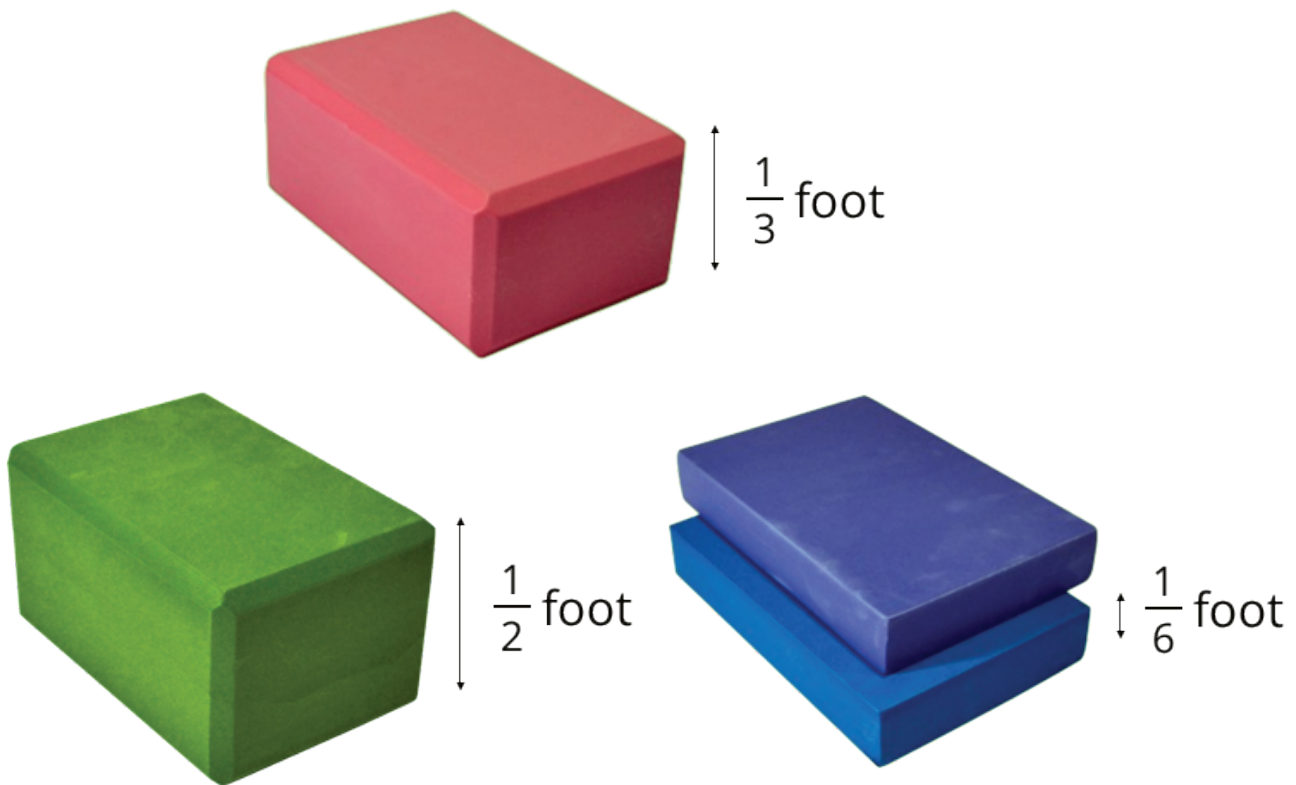
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2. They are playing in a room that is 109 inches tall. Priya says that if they combine their towers to make a super tall tower, it would be too tall for the room and they'll have to remove one brick.

Do you agree with Priya? Explain your reasoning.

2 Stacks of Blocks

Student Task Statement

Andre is building a tower out of foam blocks. The blocks come in three different thicknesses: $\frac{1}{2}$ foot, $\frac{1}{3}$ foot, and $\frac{1}{6}$ foot.



1. Andre stacks one block of each size. Will that stack be more than 1 foot tall? Explain or show how you know.
2. Can Andre use only the $\frac{1}{6}$ -foot and $\frac{1}{3}$ -foot blocks to make a stack that is $1\frac{1}{2}$ feet tall? If you think so, show one or more ways. If not, explain why not.
3. Can Andre use only the $\frac{1}{6}$ -foot and $\frac{1}{2}$ -foot blocks to make a stack that is $1\frac{1}{3}$ feet tall? If so, show one or more ways. If not, explain why not.

Activity Synthesis

