Grade 4 Unit 6
Lesson 17
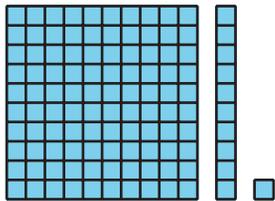CC BY 2021 Illustrative Mathematics®

Unit 6 Lesson 17: Base-ten Diagrams to Represent Division

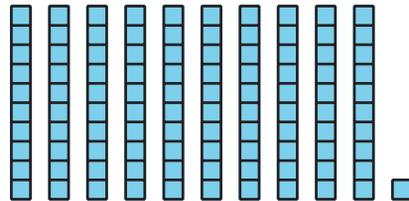## WU Which One Doesn't Belong: Base-ten Diagrams (Warm up)
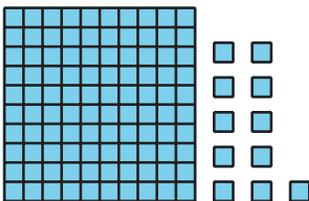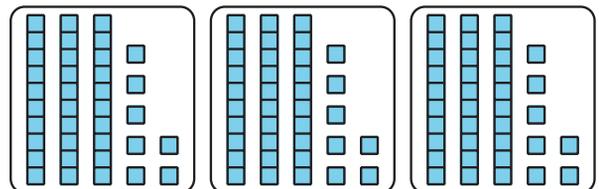
Student Task Statement

Which one doesn't belong?
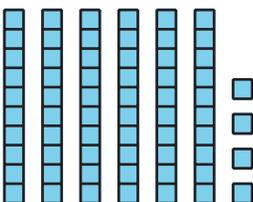
A

B

C
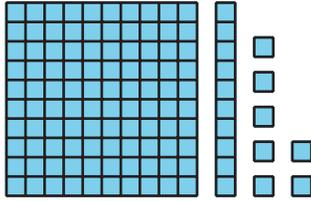
D

1 Divide with Diagrams or Blocks

Student Task Statement

1. Priya draws a base-ten diagram to find the value of $64 \div 4$. A rectangle represents 10. A small square represents 1.

   Use the diagram (or actual blocks) to help Priya complete the division. Explain or show your reasoning.
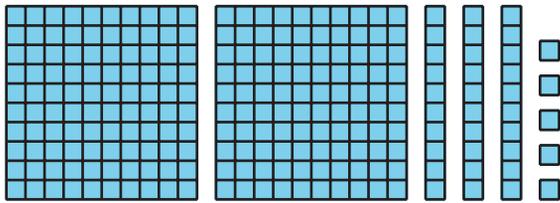
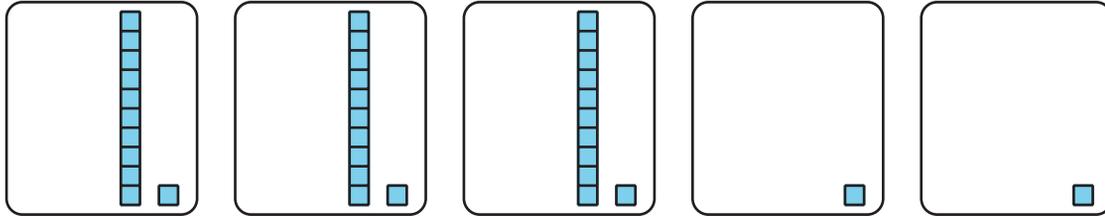2. Use this base-ten diagram (or actual blocks) to find the value of $117 \div 3$.

2 Help Noah Get Unstuck

Student Task Statement

1. This diagram represents 235.

   To find $235 \div 5$, Noah draws the following diagram but then gets stuck.

   He says, "There are not enough of the hundreds or the tens pieces to put into 5 groups."

   Explain or show how Noah could find $235 \div 5$ with his diagram.

2. Find the value of $432 \div 6$. Show your reasoning. Use base-ten diagrams or blocks if you find them helpful.

Images for Activity Synthesis

1 hundred	1 hundred	1 hundred	1 hundred

1 hundred 7 tens 8 ones	1 hundred 7 tens 8 ones	1 hundred 7 tens 8 ones	1 hundred 7 tens 8 ones