

Name _____

Use Models to Divide Tens and Ones

Essential Question How can you model division with a 2-digit quotient?

UNLOCK the Problem REAL WORLD

Emma baked 52 muffins. She wants to put an equal number of muffins on each of 4 trays. How many muffins can she put on each tray?

- Circle the numbers you need to use.
 - How many equal groups are there?
- _____

Find $52 \div 4$.

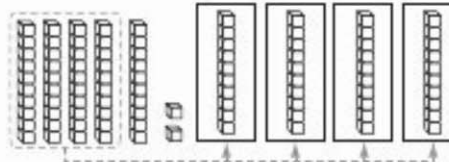
STEP 1

Use base-ten blocks to model the problem. Draw 4 rectangles to represent the 4 equal groups.



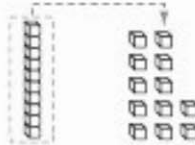
STEP 2

Share the tens. Place 1 ten in each group until there are not enough tens to put 1 more ten in each group.



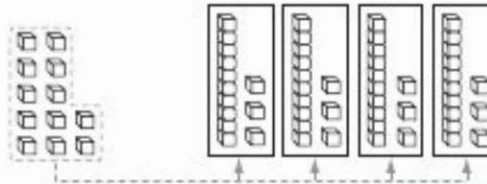
STEP 3

Regroup the remaining ten as ones. There are now 12 ones.



STEP 4

Share the ones. Place 1 one in each group until there are not enough ones to put 1 more one in each group.



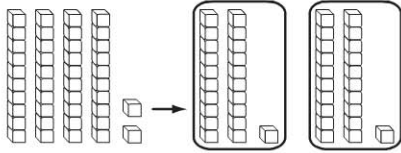
So, Emma can put _____ muffins on each tray.

Math Talk How can you check your answer?

Share and Show



1. Find $42 \div 2$.



- How many equal groups are there? _____
- How many tens go in each group? _____
- How many ones go in each group? _____
- The quotient is _____.

Use base-ten blocks and your MathBoard to divide.

2. $65 \div 5 =$ _____

3. $90 \div 3 =$ _____

4. $88 \div 4 =$ _____

On Your Own

Use base-ten blocks and your MathBoard to divide.

5. $72 \div 2 =$ _____

6. $69 \div 3 =$ _____

7. $96 \div 6 =$ _____

Problem Solving



8. Roger has 84 trading cards. He wants to put an equal number in each of 3 boxes. How many cards will he put into each box?

9. Riley has 78 postcards. She wants to put 6 on each poster board. How many poster boards will she need?
