ning Target
Name: $\qquad$
Date:


I can represent and solve division problems requiring decomposing a remainder in the tens.

## DIVISION WITH DECOMPOSITION

When multiplying, we are often required to regroup, which involves bundling groups of ten and shifting them to the next place. When dividing, sometimes a similar process is necessary, requiring mathematicians to decompose (unbundle / break apart) numbers, again by tens.

Divide two-digit numbers by one-digit numbers using place value discs, regrouping in the tens.

$$
3 \div 2=m
$$

Place Value
Discs


Standard
Algorithm

$30 \div 2=m$
Place Value Discs


Standard Algorithm

Check:

## Reflect:

How do the place value discs help you understand how the standard algorithm works?

Noticings
Check:

Represent the problem using place value discs and connect it to the standard algorithm.



CunNrLMots Matématiques

Decomposition: the process of breaking apart numbers


1 ten = 10 ones

Represent the problem using place value discs and connect it to the long division standard algorithm. Check your answer using multiplication.


Check:

## Check:



Check:
Check:

Represent the problem using place value discs and connect it to the long division standard algorithm. Check your answer using multiplication.


Check:


Check:


Check:


Represent the problem using place value discs and connect it to the long division standard algorithm. Check your answer using multiplication.


## Check:

$62 \div 4=m$ Standard Algorithm



3
Check:


Name: $\qquad$
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Show the division using discs. Relate your work on the place value chart to long division. Check your quotient and remainder by using multiplication and addition.

$$
5 \div 4
$$

Check:

$4 \longdiv { 5 }$
$56 \div 4$
Check:

$4 \longdiv { 5 6 }$

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