H	or	n	e	r	0	0	m	า:	R
---	----	---	---	---	---	---	---	----	---

Name: ___ Date:

Math Journal





I can understand and solve two-digit dividend division problems with a remainder in the ones place by using place value discs.

DIVIDING DISCS

. Understanding why and how division works is critical as we encounter larger dividends. Use the visual models of the place value discs to see how numbers are broken down by place.

Represent the problem using place value discs and connect it to the standard algorithm.				
6 ÷ 3 = m Place Value Standard Discs Algorithm	36 ÷ 3 Place Value Discs	B = m Standard Algorithm		
т о 3 6	ТО	3 36		
3 groups		3 groups		
Reflect: How can you check each answer using multiplication?	Noticings	I notice		

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

$$5 \div 4 = m$$

Place Value Discs Standard Algorithm

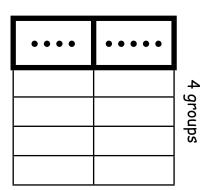
	76			
Place	Value			
Discs				

45 ÷ 4 = m ue Standard Algorithm



••••	
	,
	-





$$8 \div 3 = m$$

Place Value Discs Standard Algorithm

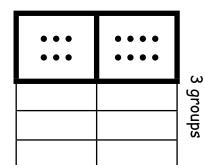
Т	0



T O

3 68

••••	,
	o gi oupo
	7





Mots Matématiques

Check Division with Multiplication:

- 1. Multiply the quotient by the divisor.
- 2. Add any remainder to the product.
- 3. Compare answer to the dividend.

$$27 \div 4 = 6 R 3$$

Check: $6 \times 4 = 24 + 3$

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

$$7 \div 2 = m$$

Place Value **Discs**

Standard Algorithm

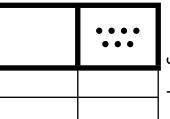
 $27 \div 2 = m$ Place Value **Discs**

Standard Algorithm

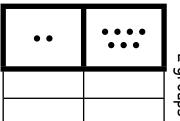
Т

0

T 0



2 groups



2 groups

Check:

 $4 \div 3 = m$

Place Value Discs

Standard Algorithm

T 0

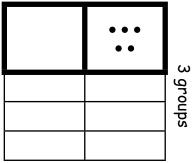
Check:

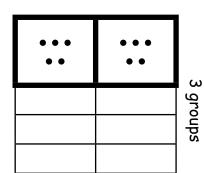
T

Place Value

Discs 0

 $54 \div 3 = m$ Standard Algorithm





Check:

Oheck:

Inn

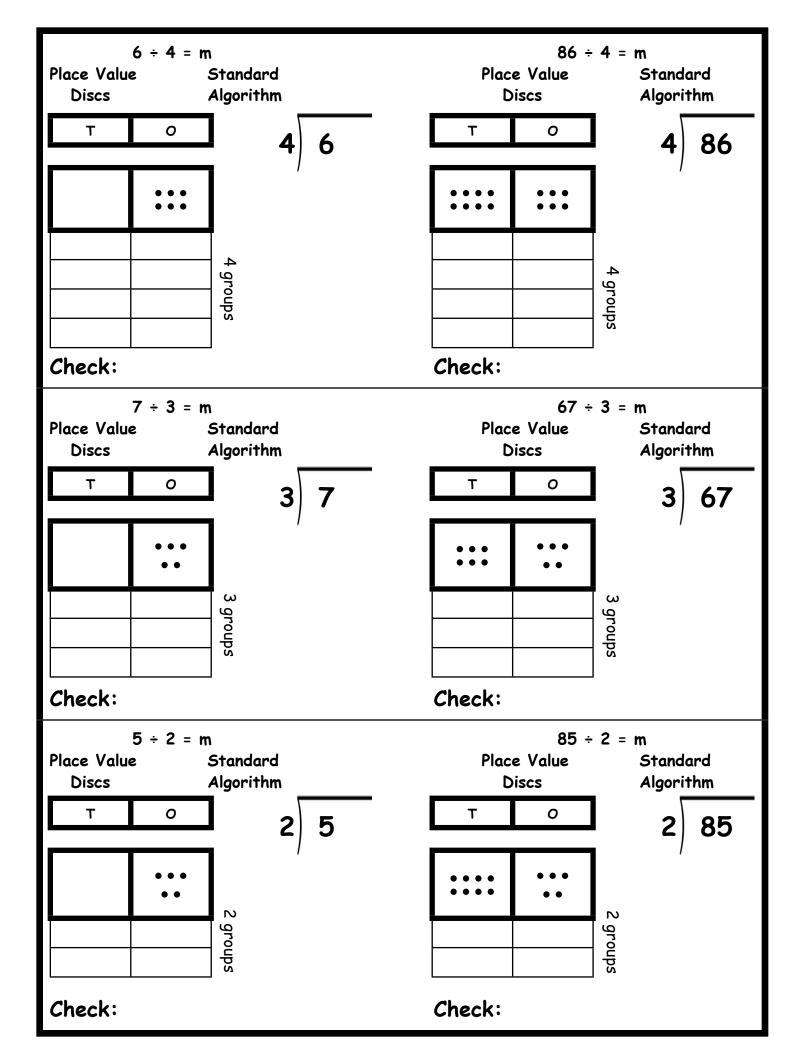
Mots Matématiques

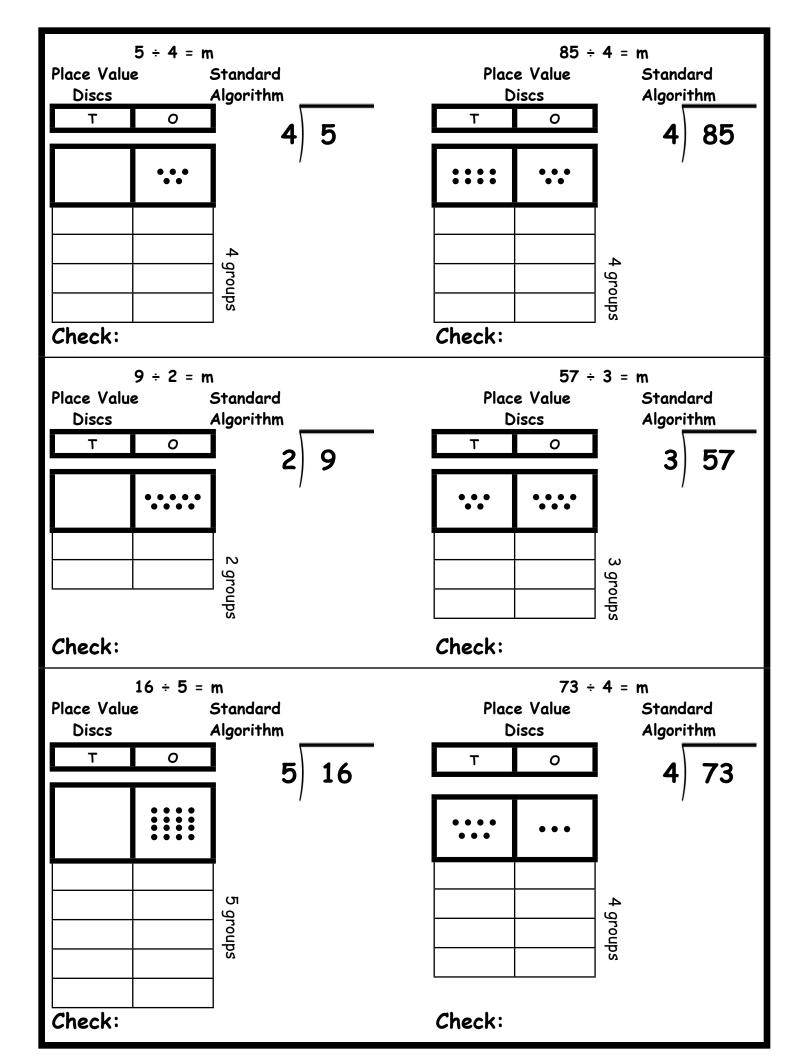
Check Division with Multiplication:

- 1. Multiply the quotient by the divisor.
- 2. Add any remainder to the product.
- 3. Compare answer to the dividend.

$$27 \div 4 = 6 R 3$$

Check:
$$6 \times 4 = 24 + 3$$





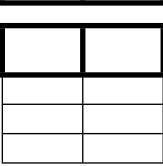
IN Soaring!

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.

Check:

Т	0





65 ÷ 3

Check:

т о		
ТО		
	Т	0

