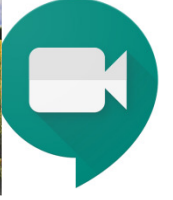
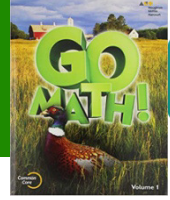


Go-Math Lesson 1-8



Go Math Lesson 1.8

Relate Multiplication to Division (Day 1)

Learning Target:

I can use multiplication to solve division problems.

Math Talk:

What does the word **inverse** mean?

Number Talk:

After watching the video, discuss how the area model used for division is the inverse of the area model used for multiplication.

Example:

$$966 \div 7 = ?$$

How does the traditional approach relate to both multiplication and division?

INVERSE

<https://www.youtube.com/watch?v=N7boECP9BAE>

Let's try it!

$$738 \div 6 = ?$$

	100	20	3
6	$\begin{array}{r} 738 \\ -600 \\ \hline 138 \end{array}$	$\begin{array}{r} 138 \\ -120 \\ \hline 18 \end{array}$	$\begin{array}{r} 18 \\ -18 \\ \hline 0 \end{array}$

Number Talk:

As we complete this problem, be ready to describe how the area model used for division relates to the area model used for multiplication.

One more then you try!

$$3,915 \div 9 = ?$$

	400	30	5
9	$\begin{array}{r} 3,915 \\ -3,600 \\ \hline 315 \end{array}$	$\begin{array}{r} 315 \\ -270 \\ \hline 45 \end{array}$	$\begin{array}{r} 45 \\ -45 \\ \hline 0 \end{array}$

Number Talk:

How is each step the inverse of using the area model to multiply?

Ready to try it on your own??

Math Talk:

Lets compare the area model and the traditional way to divide

Number Talk: Justify which way is best for YOU...

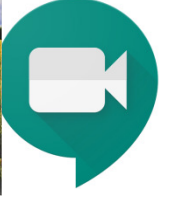
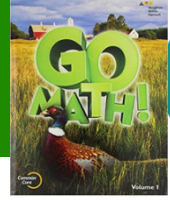
$$740 \div 4 = ?$$

	100	80	5
4	$\begin{array}{r} 740 \\ -400 \\ \hline 340 \end{array}$	$\begin{array}{r} 340 \\ -320 \\ \hline 20 \end{array}$	$\begin{array}{r} 20 \\ -20 \\ \hline 0 \end{array}$

$$740 \div 4 = ?$$

$$\begin{array}{r} 185 \\ 4 \overline{) 740} \\ \underline{-4} \\ 34 \\ \underline{32} \\ 20 \end{array}$$

Go-Math Lesson 1-8

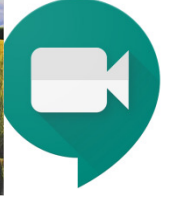
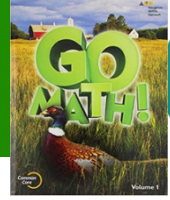


Your tasks:

1. Complete Google Classroom Lesson 1.8 Check-in
2. Complete Think Central assignments!
3. Watch videos posted on the website
4. Complete IXL Skills for the week

You have a lot to do – Don't waste time!

Go-Math Lesson 1-8



Go Math Lesson 1.8

Relate Multiplication to Division (Day 2)

Learning Target:

I can use multiplication to solve division problems.

Math Talk:

Lets compare the area model and the traditional way to divide

Number Talk: Justify which way is best for YOU...HOMEWORK PROBLEM

$$102 \div 6 = ?$$

	100	10	7
6	<div>102 X</div>	<div>102 <u>-60</u> 42</div>	<div>42 <u>-42</u> 0</div>

$$102 \div 6 = ?$$

	0	17
6	<div><div>102</div><div><div>-6</div><div>42</div><div>-42</div><div>0</div></div></div>	

Math Talk:

Lets compare the area model and the traditional way to divide

Number Talk: Justify which way is best for YOU!

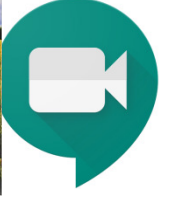
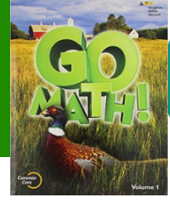
$$126 \div 7 = ?$$

	100	10	8
7	70	$\begin{array}{r} 126 \\ - 70 \\ \hline 56 \end{array}$	$\begin{array}{r} 56 \\ - 56 \\ \hline 0 \end{array}$

$$126 \div 7 = ?$$

$$\begin{array}{r} 018 \\ 7 \overline{) 126} \\ \underline{- 7} \\ 56 \\ \underline{- 56} \\ 0 \end{array}$$

Go-Math Lesson 1-8



Your tasks:

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You have a lot to do – Don't waste time!