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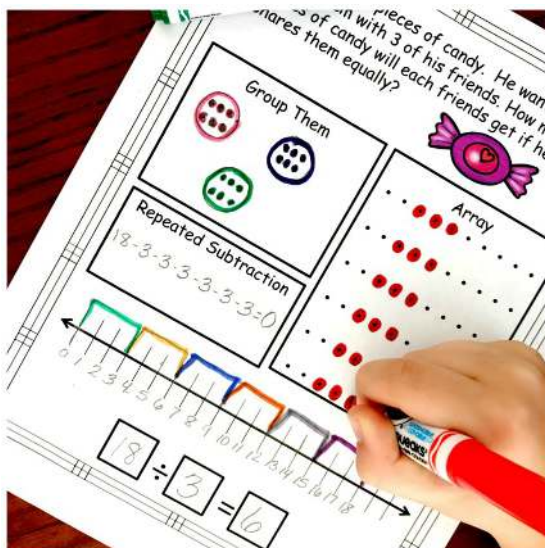
Dividing by 10 Bundle

[Dividing by Multiplies of 10](#)



[Division Word Problems](#)

[Multiplication And Division Bundle](#)



Dividing By 10

Prep Work -

- Print off notes.
- Gather up colored pencils, base ten blocks, and pencils

Directions -

1. Follow the instructions on the page to help children create an area model for multiplying fractions by fractions.

Dividing By 10 With Arrays

Step 1:

Look at the dividend. Get out this many base ten blocks.

Example:	Your Turn:
$240 \div 10$	$270 \div 10$
I need 2 flats (hundreds)	I need _____ flats (hundreds)
I need 4 longs (tens)	I need _____ longs (tens)

Step 2:

Next, look at your divisor, and figure out what one dimension of your array should be.

Example:	Your Turn:
$240 \div 10$	$270 \div 10$
The top dimension of my array will be 10.	The top dimension of my array will be _____.

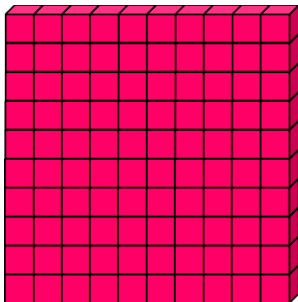
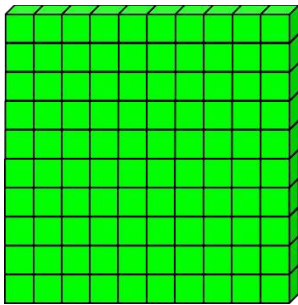
Step 3:

Because our divisor is a 10, flats are an easy place to start when making an array. Since a flat has 10 cubes at the top, we have the 10 we need to make the array.

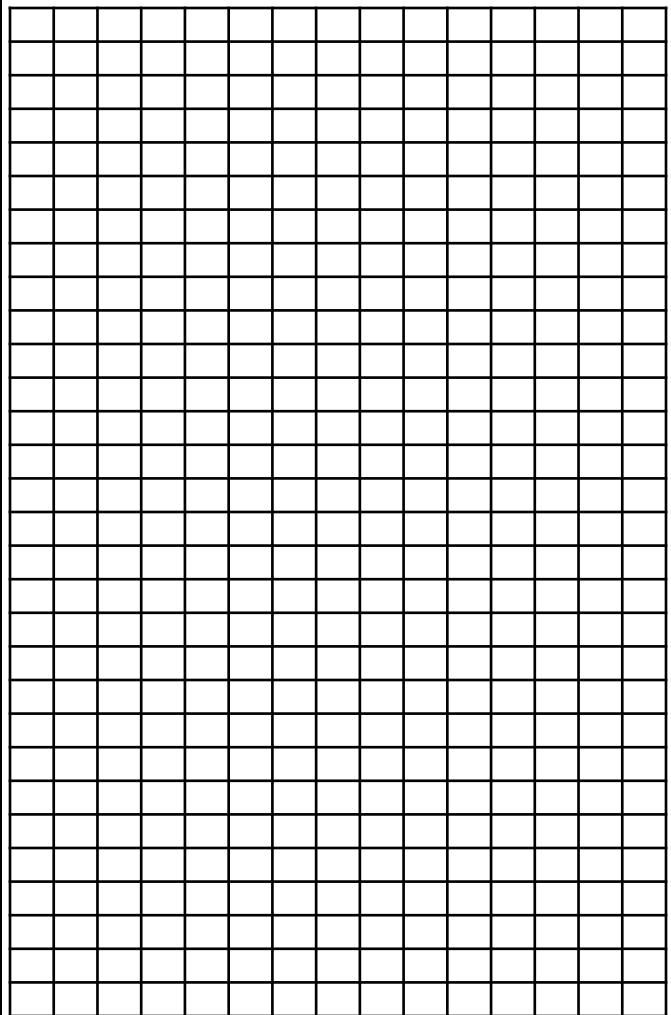
Place all your flats in a column. Come back to this page to draw what you did.

Example:

10



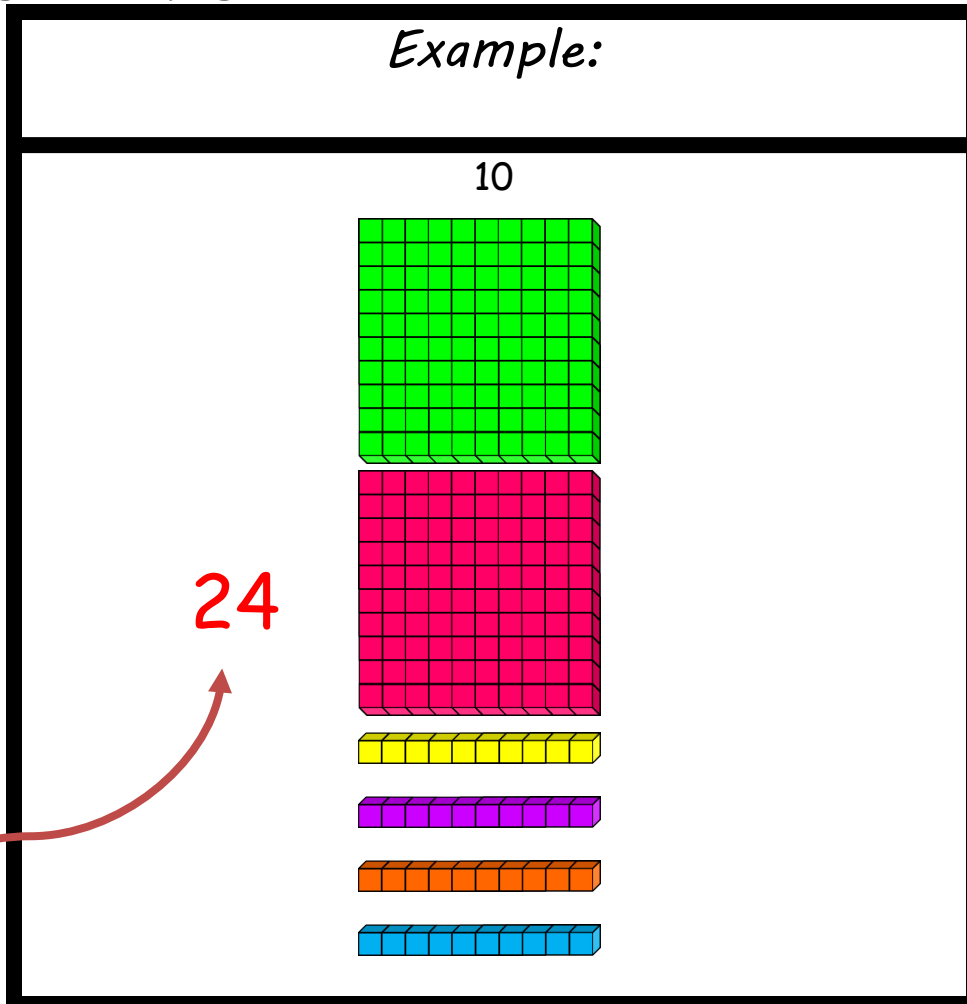
Your Turn:



Step 3:

Now it is time to add our longs. When we lay our longs horizontally, we have 10 cubes going across.

Lay all you longs horizontally to finish up your array. (Do this with your base ten blocks and then add it to the grid on page two.)



Step 4:

The answer is the number of cubes going down (vertical side). Count up those cubes and you have the answer.

<i>Example:</i>	<i>Your Turn:</i>
$240 \div 10 = 24$	$270 \div 10 = \underline{\quad}$