

Homework Helpers Sampler

This sampler includes Homework Helpers for Grade 4, Lessons 1-3. To order a full-year set of Homework Helpers visit >>> <http://eurmath.link/homework-helpers>

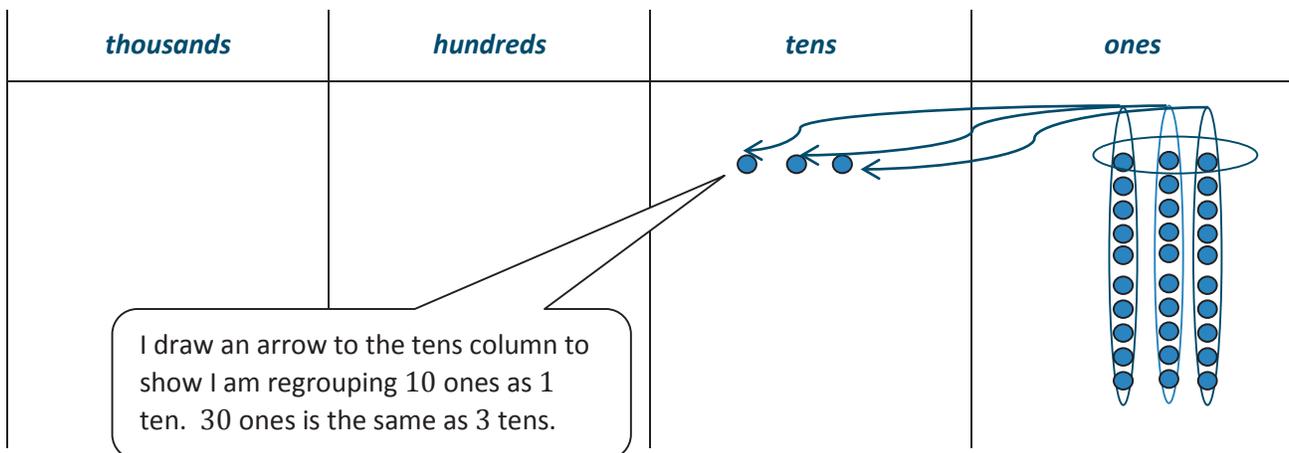
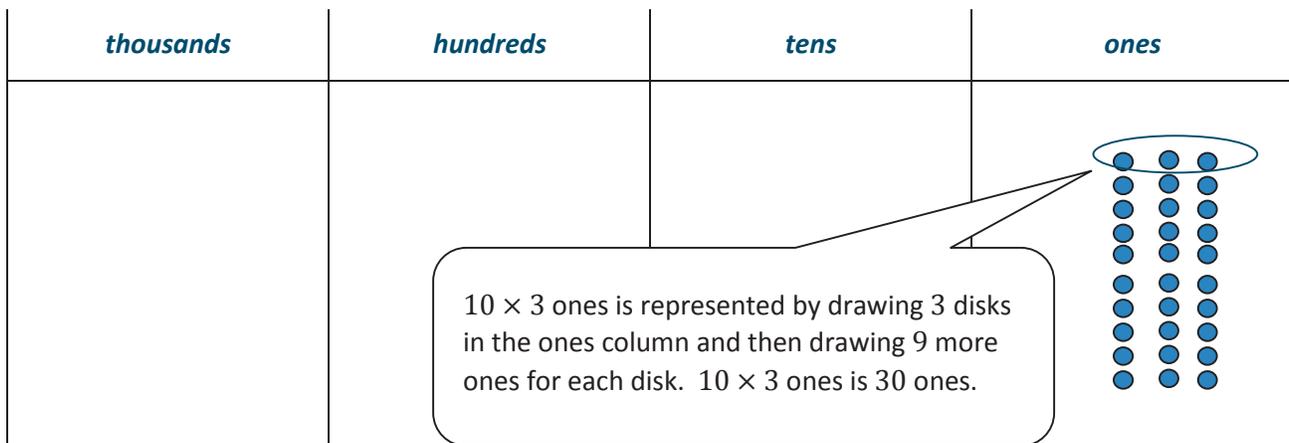
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G4-M1-Lesson 1

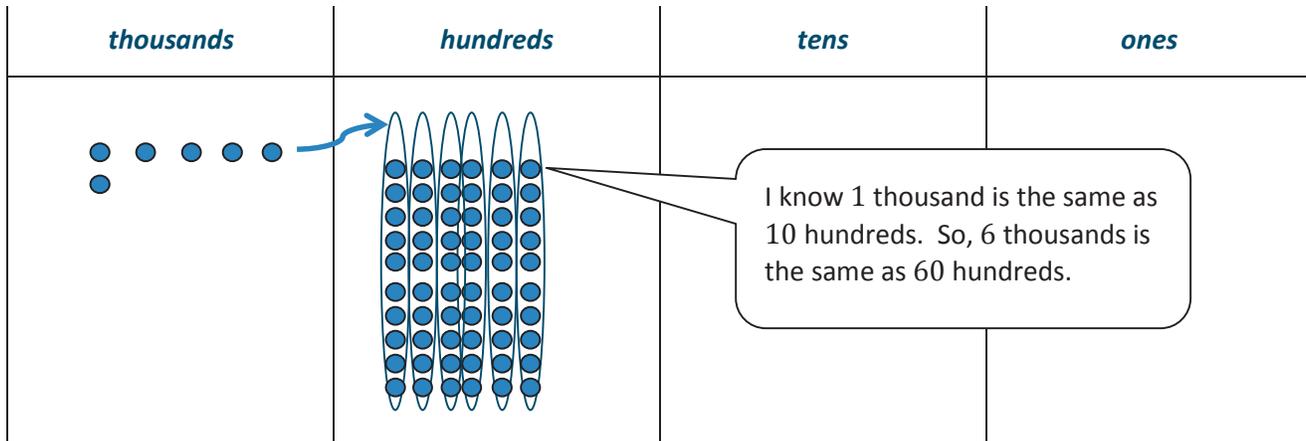
1. Label the place value charts. Fill in the blanks to make the following equations true. Draw disks in the place value chart to show how you got your answer, using arrows to show any regrouping.

$$10 \times 3 \text{ ones} = \underline{30} \text{ ones} = \underline{3 \text{ tens}}$$



2. Complete the following statements using your knowledge of place value. Then, use pictures, numbers, or words to explain how you got your answer.

60 hundreds is the same as 6 thousands.



3. Gabby has 50 books in her room. Her mom has 10 times as many books in her office. How many books does Gabby's mom have? Use numbers or words to explain how you got your answer.

$$5 \text{ tens} \times 10 = 50 \text{ tens}$$

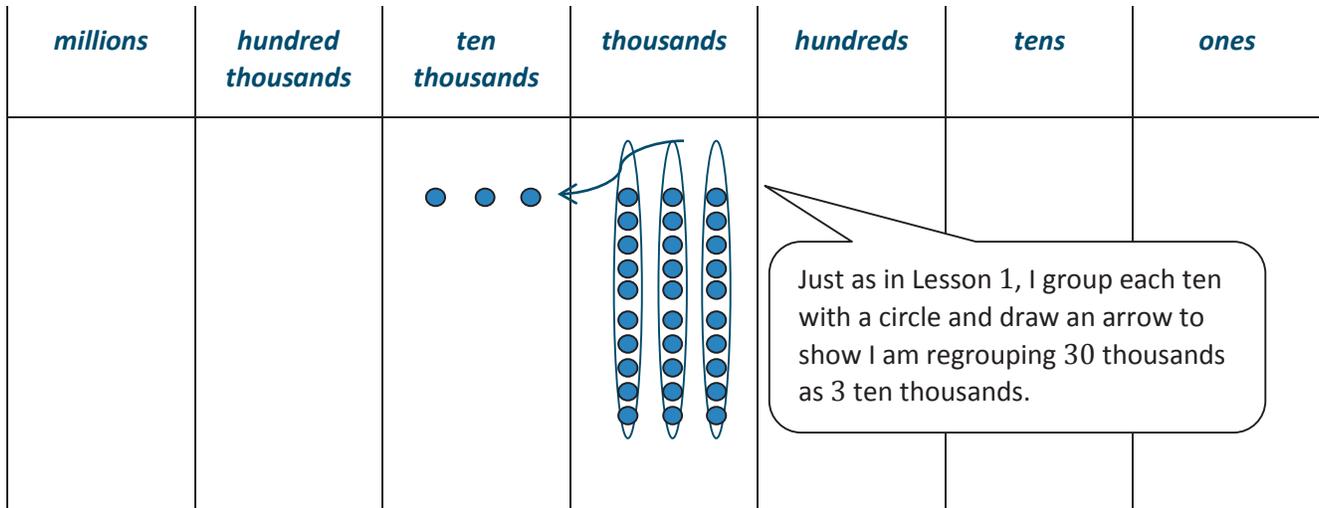
Gabby's mom has 500 books in her office.

50 tens is the same as 5 hundreds. I can write my answer in standard form within a sentence to explain my answer.

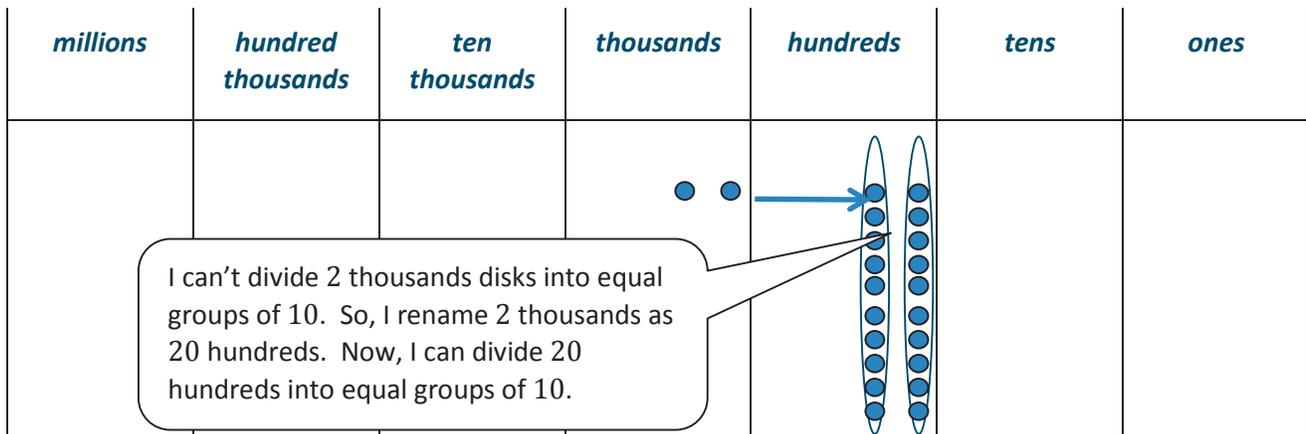
G4-M1-Lesson 2

1. Label and represent the product or quotient by drawing disks on the place value chart.

a. $10 \times 3 \text{ thousands} = 30 \text{ thousands} = 3 \text{ ten thousands}$



b. $2 \text{ thousands} \div 10 = 20 \text{ hundreds} \div 10 = 2 \text{ hundreds}$



2. Solve for the expression by writing the solution in unit form and in standard form.

Expression	Unit Form	Standard Form
$(3 \text{ tens } 2 \text{ ones}) \times 10$	<i>30 tens 20 ones</i>	320

I multiply each unit, the tens and the ones, by 10.

3. Solve.

840 matches are in 1 box. 10 times as many matches are in a package. How many matches in a package?

84 tens \times 10 is 840 tens or 84 hundreds.

$$840 \times 10 = 8,400$$

8,400 matches are in a package.

I can use unit form to make the multiplication easier and to verify my answer in standard form.

G4-M1-Lesson 3

1. Rewrite the following number, including commas where appropriate:

30030033003 30,030,033,003

I use a comma after every 3 digits from the right to indicate the periods, or grouping of units—ones, thousands, millions, and billions.

2. Solve each expression. Record your answer in standard form.

I can add 5 tens
+ 9 tens = 14
tens.

Expression	Standard Form
5 tens + 9 tens	140

14 tens is the same as 10 tens and 4 tens.
I can bundle 10 tens to make 1 hundred.
14 tens is the same as 140.

3. Represent each addend with place value disks in the place value chart. Show the composition of larger units from 10 smaller units. Write the sum in standard form.

3 thousands + 14 hundreds = 4,400

millions	hundred thousands	ten thousands	thousands	hundreds	tens	ones
			•••	••••• ••••• •••••		

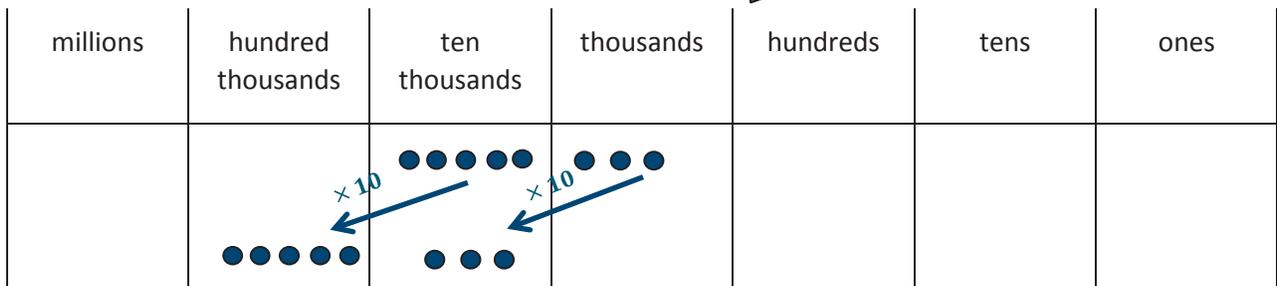
After drawing 3 thousands and 14 hundreds disks, I notice that 10 hundreds can be bundled as 1 thousand. Now, my picture shows 4 thousands 4 hundreds, or 4,400.

4. Use digits or disks on the place value chart to represent the following equations. Write the product in standard form.

$$(5 \text{ ten thousands } 3 \text{ thousands}) \times 10 = \underline{530,000}$$

How many thousands are in your answer? 530 thousands

The place value to the left represents 10 times as much, so I can draw an arrow and label it “ $\times 10$ ”.



3 ten thousands is 10 times more than 3 thousands. 5 hundred thousands is 10 times more than 5 ten thousands. So, (5 ten thousands 3 thousands) $\times 10$ is 530,000.