

G4-M1-Lesson 2

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

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

millions	hundred thousands	ten thousands	thousands	hundreds	tens	ones
		● ● ●				

Just as in Lesson 1, I group each ten with a circle and draw an arrow to show I am regrouping 30 thousands as 3 ten thousands.

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

millions	hundred thousands	ten thousands	thousands	hundreds	tens	ones
			● ●			

I can't divide 2 thousands disks into equal groups of 10. So, I rename 2 thousands as 20 hundreds. Now, I can divide 20 hundreds into equal groups of 10.

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.