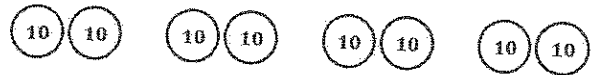## G4-M3-Lesson 26

1. Draw place value disks to represent the following problems. Rewrite each in unit form and solve.

a. $80 \div 4 = \underline{20}$

   $8 \text{ tens} \div 4 = \underline{2 \text{ tens}}$

   2 tens is the same as 20.

   (10)(10) (10)(10) (10)(10) (10)(10)

   I distribute 8 tens into 4 groups.
   There are 2 tens in each group.

b. $800 \div 4 = \underline{200}$

   $\underline{8 \text{ hundreds}} \div 4 = \underline{2 \text{ hundreds}}$

   I think of 800 in unit form as 8 hundreds.

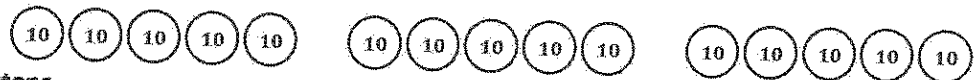   (100)(100) (100)(100) (100)(100) (100)(100)

   8 hundreds divided equally into
   4 groups is 2 hundreds.

c. $150 \div 3 = \underline{50}$

   $\underline{15 \text{ tens}} \div 3 = \underline{5 \text{ tens}}$

   (10)(10)(10)(10)(10) (10)(10)(10)(10)(10) (10)(10)(10)(10)(10)
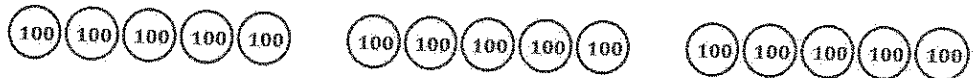
   I think of 150 as 1 hundred 5 tens, but that doesn't help me to divide because I can't partition a hundreds disk into 3 equal groups. To help me to divide, I think of 150 as 15 tens.

d. $1,500 \div 3 = \underline{500}$ (100)(100)(100)(100)(100) (100)(100)(100)(100)(100) (100)(100)(100)(100)(100)

   $\underline{15 \text{ hundreds}} \div 3 = \underline{5 \text{ hundreds}}$

   This is just like the last problem except the unit is hundreds instead of tens.

2. Solve for the quotient. Rewrite each in unit form.

a. $900 \div 3 = 300$	b. $140 \div 2 = 70$	c. $1,500 \div 5 = 300$	d. $200 \div 5 = 40$
9 hundreds ÷ 3 = 3 hundreds	14 tens ÷ 2 = 7 tens	15 hundreds ÷ 5 = 3 hundreds	20 tens ÷ 5 = 4 tens

> These problems are very similar to what I just did. The difference is that I do not draw disks. I rewrite the numbers in unit form to help me solve.

3. An ice cream shop sold $2,800 of ice cream in August, which was 4 times as much as was sold in May. How much ice cream was sold at the ice cream shop in May?

$2,800

August

May

M
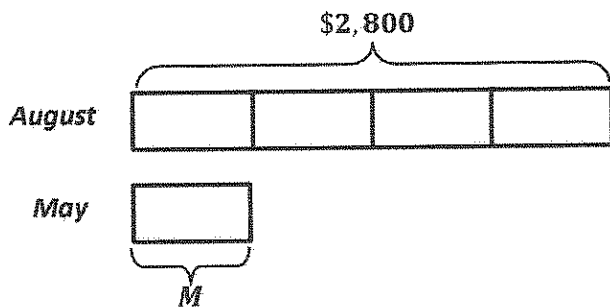
> I draw a tape diagram to show the ice cream sales for the month of August and the month of May. The tape for August is 4 times as long as the tape for May. 2,800 in unit form is 28 hundreds. If 4 units is 28 hundreds, 1 unit must be 28 hundreds ÷ 4. Since May is equal to 1 unit, the ice cream sales for May was $700.

28 hundreds ÷ 4 = 7 hundreds

$700 of ice cream was sold at the ice cream shop in May.

EUREKA MATH