Name KEY Date _____

1. Kelvin ordered four pizzas for a birthday party. The pizzas were cut in eighths. How many slices were there? Draw a picture to support your response.

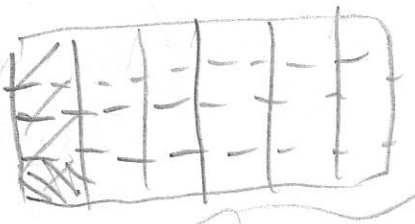
$4 \div \frac{1}{8}$ size pizza slices $= 32$ pieces

4×8

$4 \times \frac{1}{8} = \frac{4}{8} = \frac{1}{2}$ not multiplication

There are 32 1/8 pieces.

2. Virgil has $\frac{1}{6}$ of a birthday cake left over. He wants to share the leftover cake with 3 friends. What fraction of the original cake will each of the 4 people receive? Draw a picture to support your response.



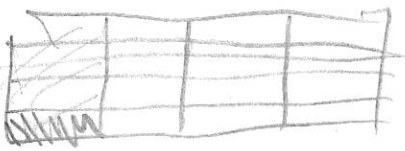
$\frac{1}{6} \div 4 = \frac{1}{24}$ $\frac{1}{6} \times \frac{1}{4} = \frac{1}{24}$

↑ 1/24

Each person gets 1/24 of a whole cake

3. A pitcher of water contains $\frac{1}{4}$ liters of water. The water is poured equally into 5 glasses.

a. How many liters of water are in each glass? Draw a picture to support your response.



$\frac{1}{4} \div 5 = \frac{1}{20}$ liter glasses $\frac{1}{4} \times \frac{1}{5} = \frac{1}{20}$

each glass would 1/20 of a liter

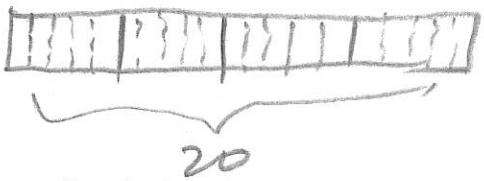
b. Write the amount of water in each glass in milliliters.

1000 ml = 1 L

$\frac{1}{20}$ of a L $\frac{1}{20} \times 1000 = \frac{1000}{20} = 50$ ml

20 × 50 = 1000

4. Drew has 4 pieces of rope 1 meter long each. He cuts each rope into fifths.
   a. How many fifths will he have after cutting all the ropes?



groups of

$4 \div \frac{1}{5} = 20$

rope

$4 \times 5 = 20$

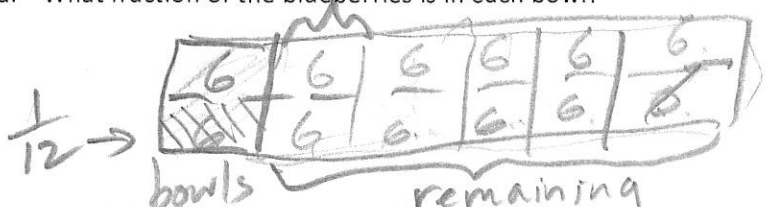
   b. How long will each of the fifths be in centimeters?

100cm = 1m

$\frac{1}{5}$ of 100cm $= \frac{100}{5} = 20$ cm

5. A container is filled with blueberries. $\frac{1}{6}$ of the blueberries is poured equally into two bowls.
   a. What fraction of the blueberries is in each bowl?

muffins



$\frac{1}{6} \div 2$ bowls $= \frac{1}{12}$ in each bowl

container

$\frac{1}{6} \times \frac{1}{2} = \frac{1}{12}$

   b. If each bowl has 6 ounces of blueberries in it, how many ounces of blueberries were in the full container?

12 x 6 = 72 oz. in a full container

   c. If $\frac{1}{5}$ of the remaining blueberries are used to make muffins, how many pounds of blueberries are left in the container?

1 pound = 16 oz

60 oz remaining $\frac{1}{5}$ of 60 oz $= \frac{60}{5} = 12$ oz muffins

48 oz still in container = 3 pounds