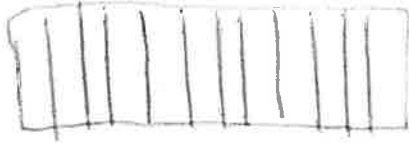


Name \_\_\_\_\_

Date \_\_\_\_\_

1. Mrs. Silverstein bought 3 mini cakes for a birthday party. She cuts each cake into quarters and plans to serve each guest 1 quarter of a cake. How many guests can she serve with all her cakes? Draw a picture to support your response.



$$3 \div \frac{1}{4} = 12$$

12 guests

2. Mr. Pham has  $\frac{1}{4}$  pan of lasagna left in the refrigerator. He wants to cut the lasagna into equal slices so he can have it for dinner for 3 nights. How much lasagna will he eat each night? Draw a picture to support your response.

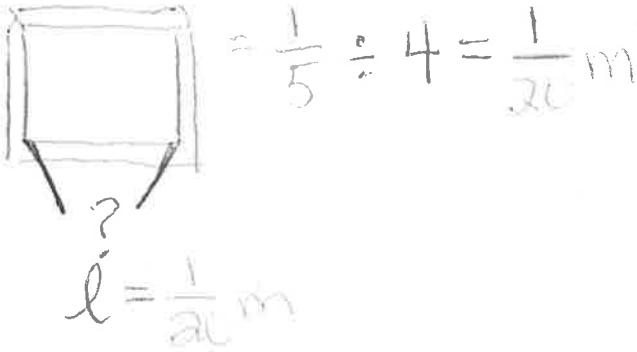


Mr. Pham will eat  $\frac{1}{12}$  pan of lasagna.

$$\frac{1}{4} \div 3 = \frac{1}{12}$$

3. The perimeter of a square is  $\frac{1}{5}$  of a meter.

a. Find the length of each side in meters. Draw a picture to support your response.



b. How long is each side in centimeters?

$$\frac{1}{20} \text{ m} = \underline{5} \text{ cm}$$

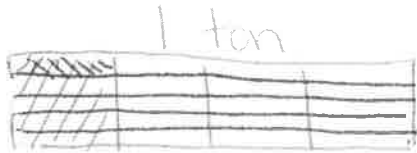
$$E \quad \frac{1}{20} \times 1 \text{ m}$$

$$C \quad \frac{1}{20} \times 100 \text{ cm}$$

$$A \quad \frac{100}{20} = 10 = \frac{10}{2} = 5 \text{ cm}$$

4. A pallet holding 5 identical crates weighs  $\frac{1}{4}$  of a ton.

a. How many tons does each crate weigh? Draw a picture to support your response.



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

- b. How many pounds does each crate weigh?

$$\frac{1}{20} \text{ ton} = \underline{100} \text{ pounds}$$

E  $\frac{1}{20} \times 1 \text{ ton}$

C  $\frac{1}{20} \times 2000 \text{ lbs}$

A  $\frac{2000}{20} \div 10 = \frac{200}{2} = 100$

Each crate  
weighs 100 lbs

5. Faye has 5 pieces of ribbon, each 1 yard long. She cuts each ribbon into sixths.

- a. How many sixths will she have after cutting all the ribbons?



$$5 \div \frac{1}{6} = 30 \text{ sixths}$$

- b. How long will each of the sixths be in inches?

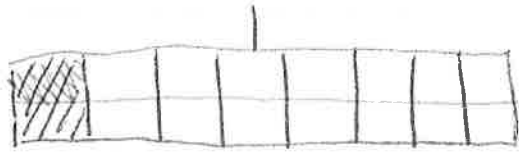
$$\frac{1}{6} \text{ yard} = \underline{6} \text{ inches}$$

E  $\frac{1}{6} \times 1 \text{ yard}$

C  $\frac{1}{6} \times 36 \text{ inches}$

A  $\frac{36}{6} = 6 \text{ inches}$

6. A glass pitcher is filled with water.  $\frac{1}{8}$  of the water is poured equally into 2 glasses.  
 a. What fraction of the water is in each glass?

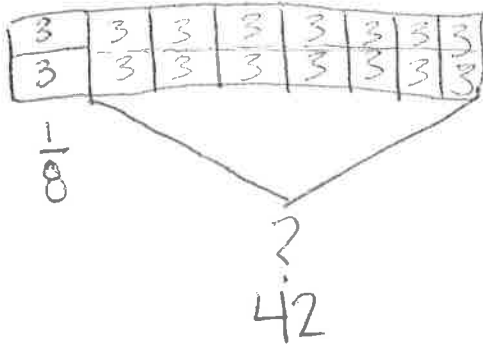


$$\frac{1}{8} \div 2 = \frac{1}{16}$$

$$\frac{1}{2} \text{ of } \frac{1}{8} = \frac{1}{16}$$

$\frac{1}{16}$  of the water is in each glass

- b. If each glass has 3 fluid ounces of water in it, how many fluid ounces of water were in the full pitcher?



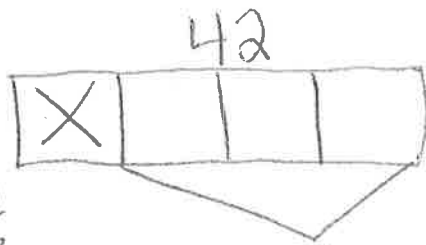
$$\frac{1}{8} = 6 \text{ ounces}$$

~~3 x 16 = 48~~

$$6 \times 8 = 48 \text{ ounces}$$

$$3 \times 16 = 48 \text{ ounces}$$

- c. If  $\frac{1}{4}$  of the remaining water is poured out of the pitcher to water a plant, how many cups of water are left in the pitcher?



$$\begin{array}{r} 3 \\ 16 \overline{) 503} \\ \underline{48} \\ 23 \\ \underline{16} \\ 7 \end{array}$$

$$\frac{3}{4} \text{ of } 42$$

$$\frac{3 \times 42}{42} = \frac{63}{2} = 31\frac{1}{2} \text{ oz}$$

$$\begin{array}{r} 31 \\ 2 \overline{) 63} \\ \underline{6} \\ 03 \\ \underline{2} \\ 1 \end{array}$$

$$= 31\frac{1}{2} \text{ oz} = 3\frac{15}{16} \text{ c}$$

$$E \quad 31\frac{1}{2} \times 1 \text{ oz}$$

$$C \quad 31\frac{1}{2} \times \frac{1}{8} \text{ c}$$

$$\frac{63}{2} \times \frac{1}{8} = \frac{63}{16}$$

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