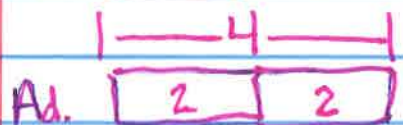
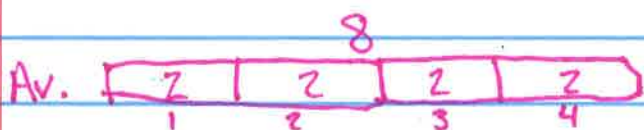


M4.2.6 - Relate fractions as division to fraction of a set.

Olivia is 2 years old. Ava is 8 years old.

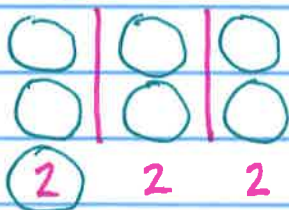


$4 \div 2 = 2$



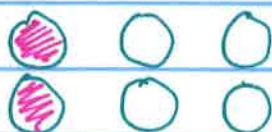
$4 \times 2 = 8$

$6 \div 3 = 2$

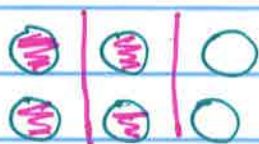


$\frac{6}{3} = 2$

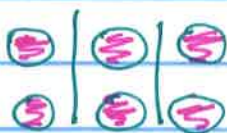
$\frac{1}{3}$  of  $6 = 2$



$\frac{2}{3}$  of  $6 = 4$

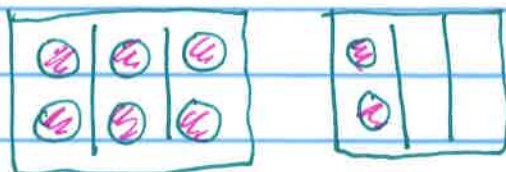


$\frac{3}{3}$  of  $6 = 6$

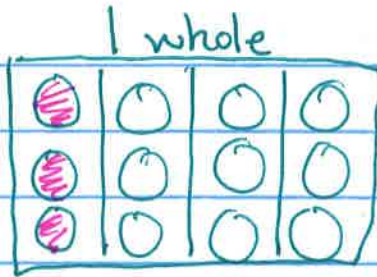


$\frac{4}{3}$  of  $6 = 8$

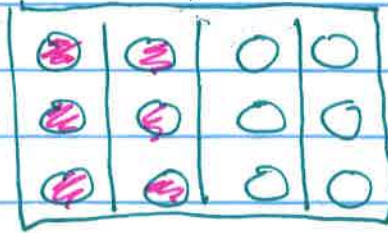
$\frac{1}{3}$



$$\frac{1}{4} \text{ of } 12 = 3$$

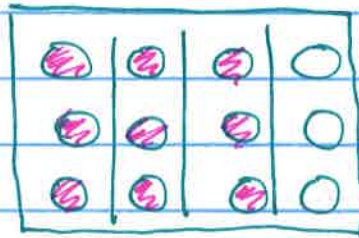


$$\frac{2}{4} \text{ of } 12 = 6$$

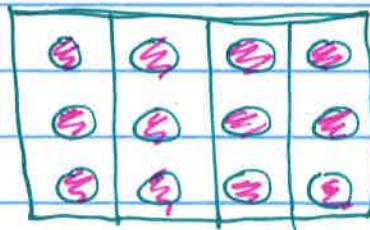


$\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$

$$\frac{3}{4} \text{ of } 12 = 9$$



$$\frac{4}{4} \text{ of } 12 = 12$$

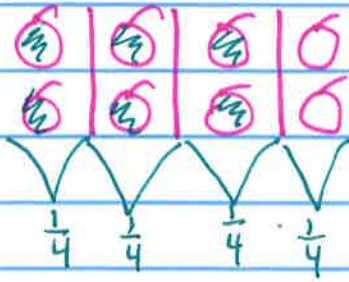


$$\frac{1}{3} \text{ of } 9 = 3$$

$$\frac{1}{6} \text{ of } 12 = 2$$

$$\frac{1}{5} \text{ of } 15 = 3$$

$$\frac{3}{4} \text{ of } 8 = 6$$

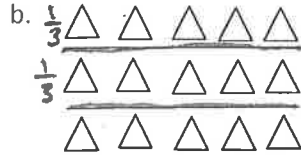
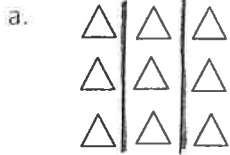


Name \_\_\_\_\_

Date \_\_\_\_\_

1. Find the value of each of the following.

$\frac{1}{3}$   $\frac{1}{3}$   $\frac{1}{3}$



$\frac{1}{3}$  of 9 = 3

$\frac{1}{3}$  of 15 = 5

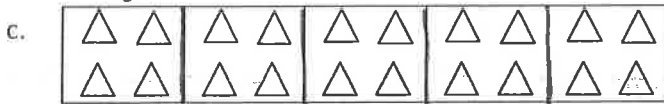
$\frac{2}{3}$  of 9 = 6

$\frac{2}{3}$  of 15 = 10

$\frac{3}{3}$  of 9 = 9

$\frac{3}{3}$  of 15 = 15

$\frac{1}{5}$

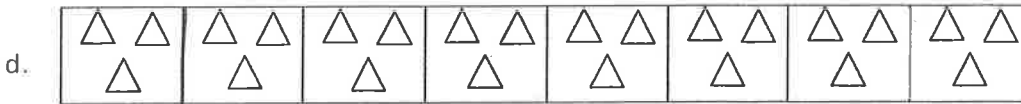


$\frac{1}{5}$  of 20 = 4

$\frac{4}{5}$  of 20 = 16

$\frac{5}{5}$  of 20 = 20

$\frac{1}{8}$



$\frac{1}{8}$  of 24 = 3

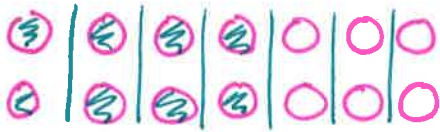
$\frac{6}{8}$  of 24 = 18

$\frac{3}{8}$  of 24 = 9

$\frac{7}{8}$  of 24 = 21

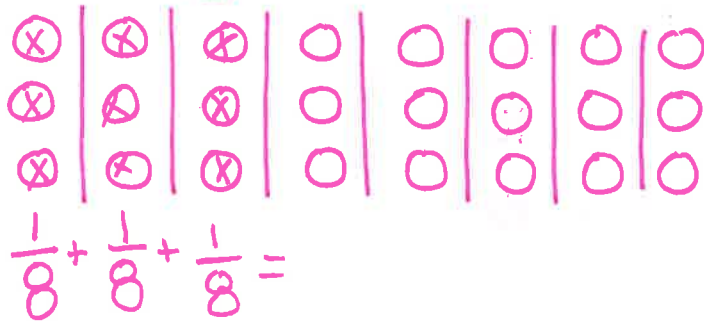
$\frac{4}{8}$  of 24 = 12

2. Find  $\frac{4}{7}$  of 14. Draw a set, and shade to show your thinking.



$$\frac{4}{7} \text{ of } 14 = 8$$

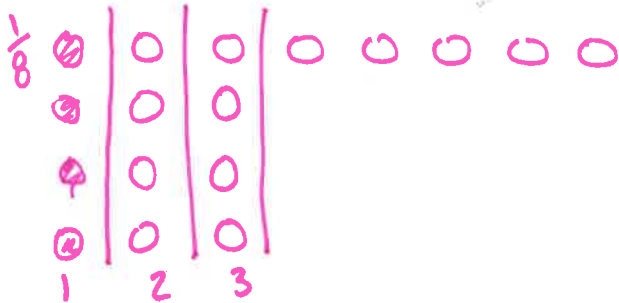
3. How does knowing  $\frac{1}{8}$  of 24 help you find three-eighths of 24? Draw a picture to explain your thinking.



$$\frac{1}{8} \text{ of } 24 = 3$$

$$\frac{3}{8} \text{ of } 24 = 9$$

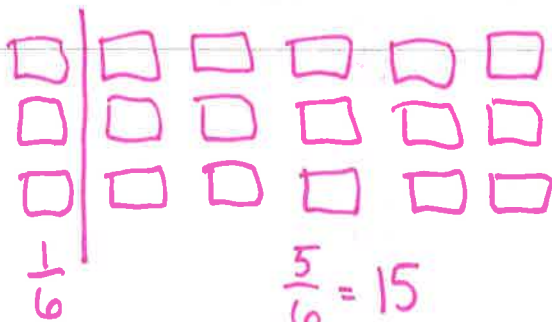
4. There are 32 students in a class. Of the class,  $\frac{3}{8}$  of the students bring their own lunches. How many students bring their lunches?



$$\frac{1}{8} \text{ of } 32 = 4$$

$$\frac{3}{8} \text{ of } 32 = 12$$

5. Jack collected 18 ten-dollar bills while selling tickets for a show. He gave  $\frac{1}{6}$  of the bills to the theater and kept the rest. How much money did he keep?



$$\frac{1}{6} \text{ of } 18$$

$$\frac{5}{6} = 15$$

$$15 \times \$10 = \$150$$