

25.02.21 – LI: To find fractions of a set of objects

1.

Here are some counters.

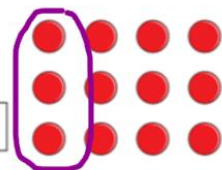
a) Circle $\frac{1}{4}$ of the counters.

b) How many counters did you circle?

3

c) What is $\frac{1}{4}$ of 12?

3



2.

Draw counters in the bar models to help you complete each number sentence. The first one has been done for you.

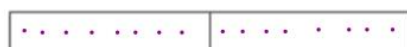
a) $\frac{1}{2}$ of 8 =

4



b) $\frac{1}{2}$ of 16 =

8



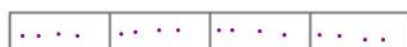
c) $\frac{1}{4}$ of 8 =

2



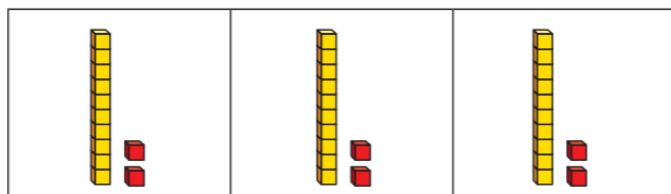
d) $\frac{1}{4}$ of 16 =

4



3.

Huan uses a bar model and base 10 to find $\frac{1}{3}$ of 36



Use Huan's method to complete the calculations.

a. $\frac{1}{4}$ of 44 = 11

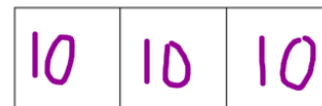
b. $\frac{1}{4}$ of 84 = 21

c. $\frac{1}{3}$ of 63 = 21

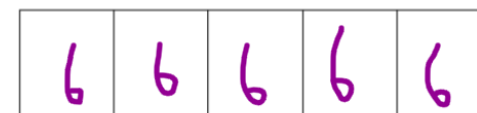
4.

4. Which amount is greater? Use the bar model to find your answer.

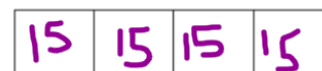
a. $\frac{1}{3}$ of 30



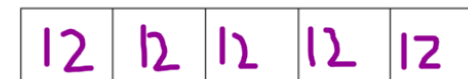
$\frac{1}{5}$ of 30



b. $\frac{1}{4}$ of 60



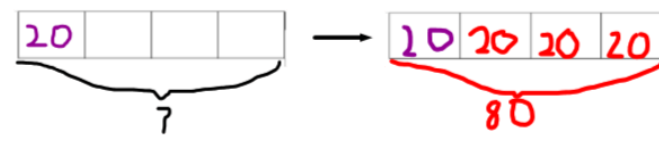
$\frac{1}{5}$ of 60



5.

Use this example to help you.

Question: $\frac{1}{4}$ of _____ = 20 Answer: $\frac{1}{4}$ of 80 = 20



a. $\frac{1}{3}$ of 75 = 25

b. $\frac{1}{4}$ of 60 = 15

c. $\frac{1}{8}$ of 56 = 7

6. a. Rosie has 4. Amir has 8. Alex has 6.

Least to most. Rosie, Alex, Amir

b. Alex has $\frac{1}{4}$

c. Rosie = 4 and Amir = 8. Therefore $\frac{1}{2}$ of 24. 12/24