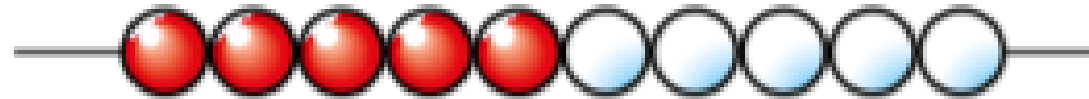


8/12/20

L.O: I can find fractions
of a set of objects

8/12/20

L.O: I can find fractions of a set of objects



RECAP: There are ten beads.

5 out of 10 are red so $\frac{5}{10}$ of the beads are red.

5 out of 10 are white so $\frac{5}{10}$ of the beads are white.

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L.O: I can find fractions of a set of objects

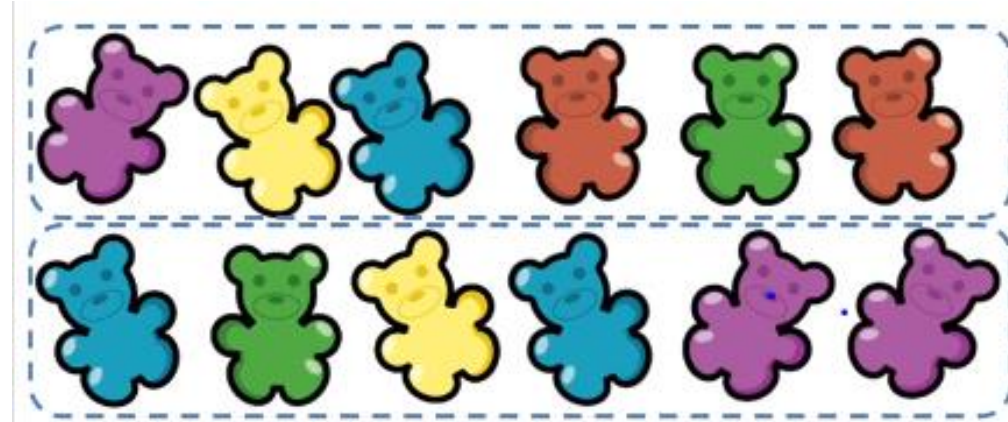


Tommy eats $\frac{1}{2}$ of the gummy bears.

How many gummy bears does Tommy eat?

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L.O: I can find fractions of a set of objects



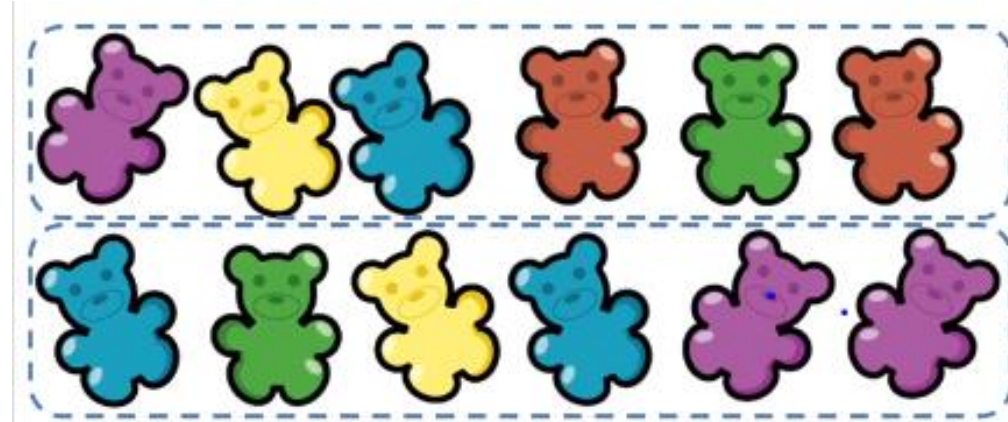
Tommy eats $\frac{1}{2}$ of the gummy bears.

2

The denominator tells us that we have two equal groups. So we have to divide the gummy bears into 2 equal groups. I have done this in the picture above.

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L.O: I can find fractions of a set of objects



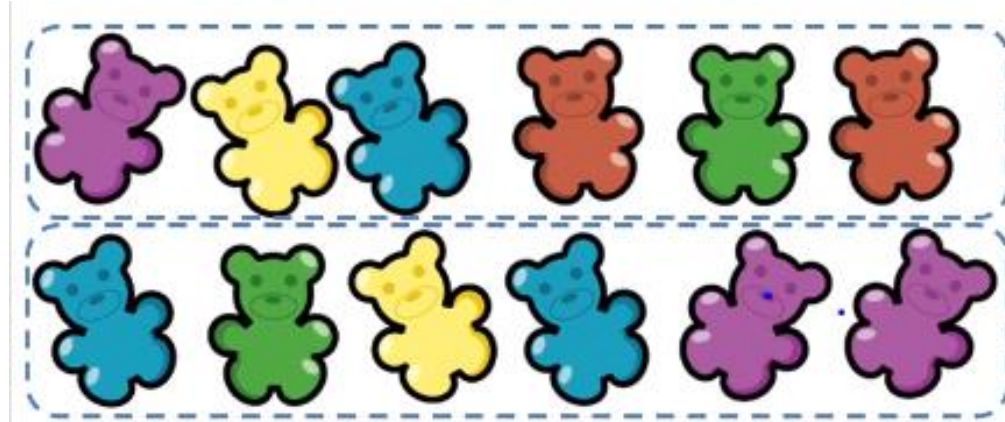
Tommy eats $\frac{1}{2}$ of the gummy bears.

2

The numerator is ONE so we need to count the number of gummy bears in ONE group. How many gummy bears can you count in ONE group?

8/12/20

L.O: I can find fractions of a set of objects



There are SIX gummy bears in one group.

Tommy eats $\frac{1}{2}$ of the gummy bears.

ANSWER: Tommy eats SIX of the gummy bears.

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

8/12/20

L.O: I can find fractions of a set of objects

REMINDER:



3

—

4

Numerator

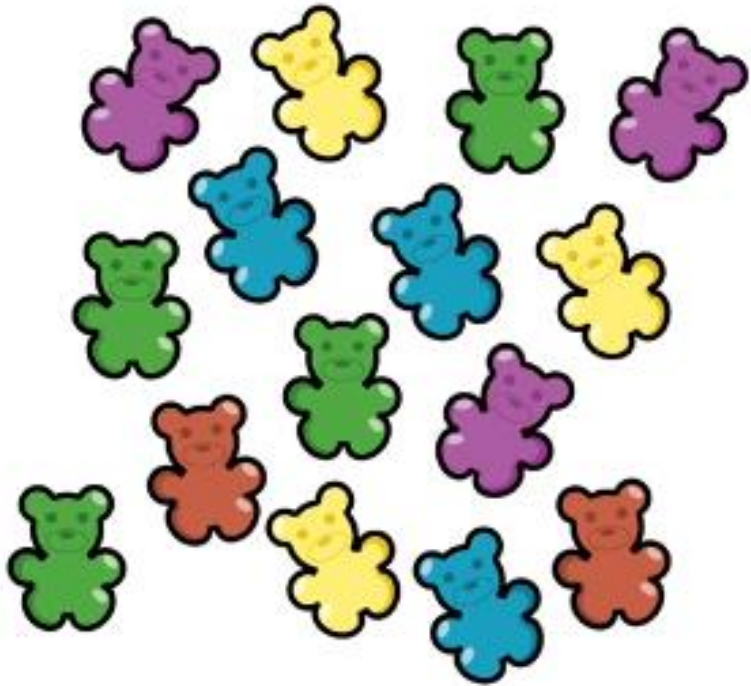
How many equal parts do you have?

Denominator

How many equal parts is the whole divided into?

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L.O: I can find fractions of a set of objects

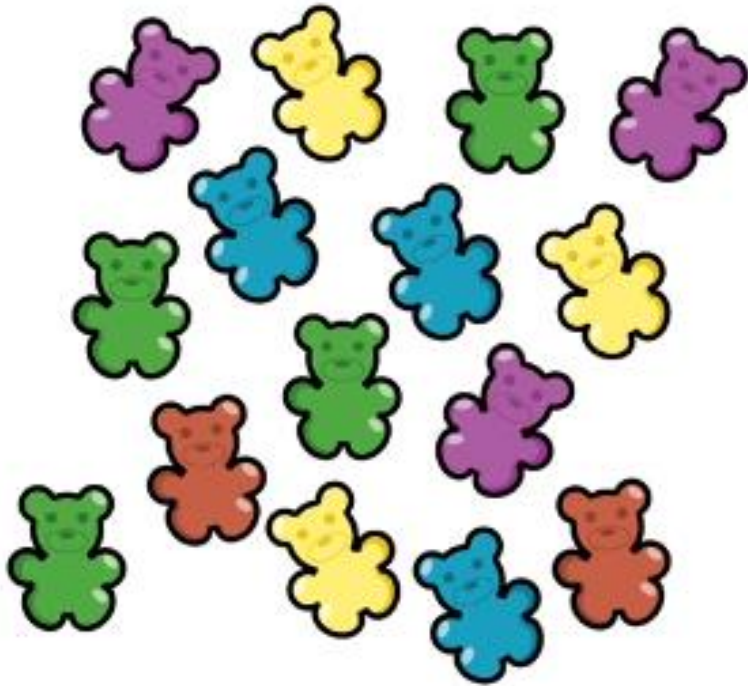


Tommy gives $\frac{1}{3}$ of the gummy bears to Eva.

How many gummy bears does Eva get?

8/12/20

L.O: I can find fractions of a set of objects



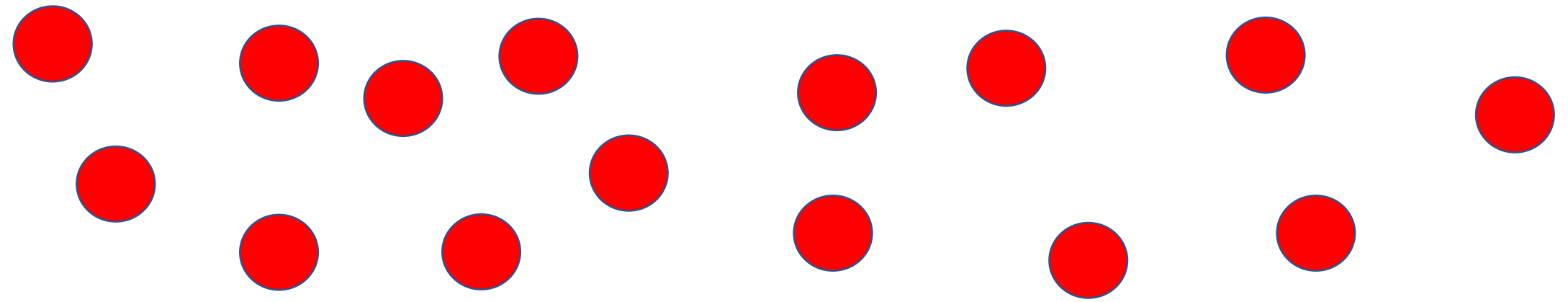
STEP ONE: Count the total number of objects. We have **15** gummy bears.

Tommy gives $\frac{1}{3}$ of the gummy bears to Eva.

How many gummy bears does Eva get?

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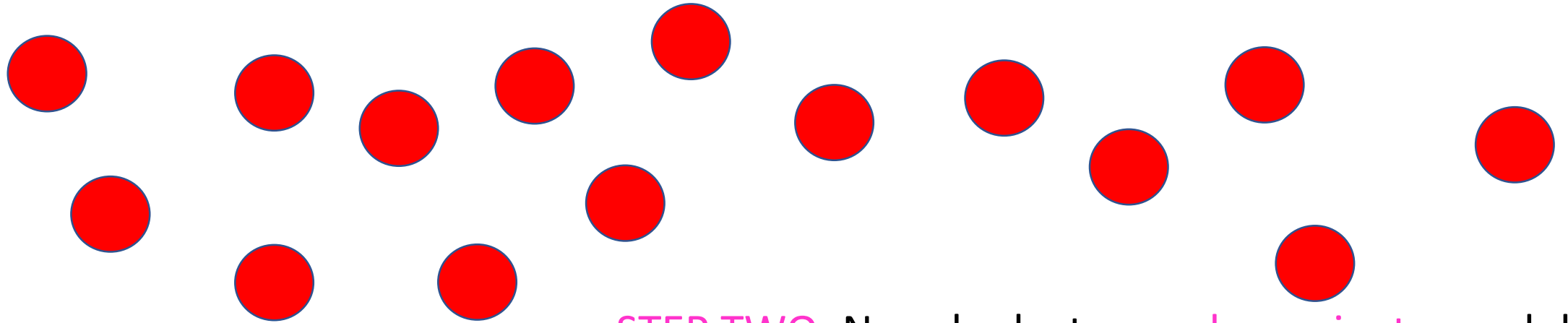
L.O: I can find fractions of a set of objects



I have used a red dot to represent each of my 15 gummy bears.

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L.O: I can find fractions of a set of objects



STEP TWO: Now, look at your **denominator** and divide your object into that number of groups.

Tommy gives $\frac{1}{3}$ of the gummy bears to Eva.

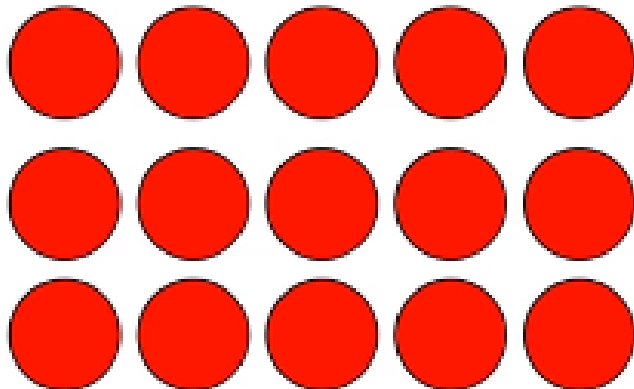
How many gummy bears does Eva get?

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L.O: I can find fractions of a set of objects

Tommy gives $\frac{1}{3}$ of the gummy bears to Eva.
How many gummy bears does Eva get?

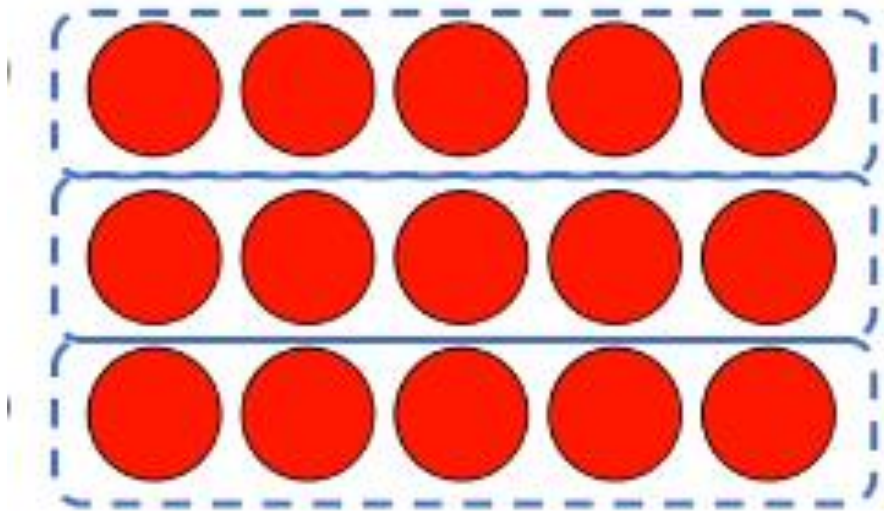
The denominator is 3.



I have used an **ARRAY** of 3 rows to divide the gummy bears into **groups of 3** because my **denominator** told me the gummy bears are divided into **groups of 3**.

8/12/20

L.O: I can find fractions of a set of objects

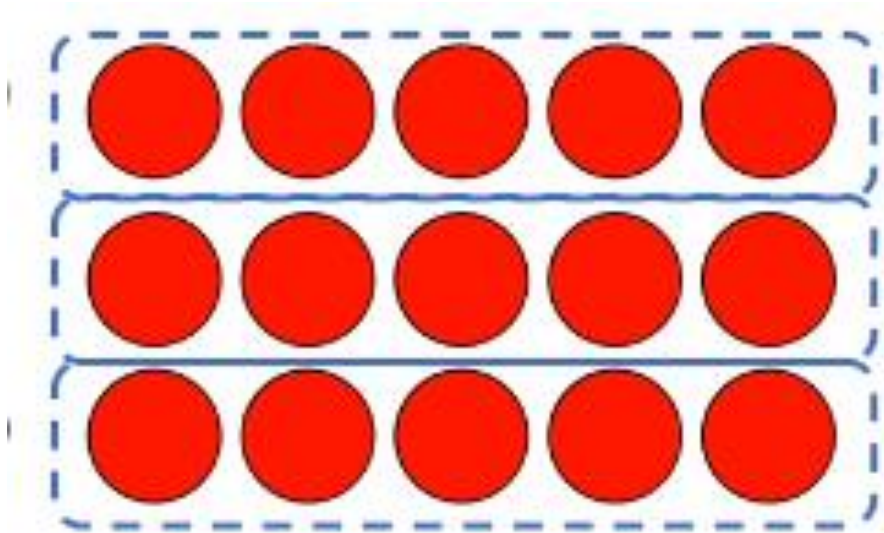


I have divided my gummy bears into 3 groups.

Tommy gives $\frac{1}{3}$ of the gummy bears to Eva.
How many gummy bears does Eva get?

8/12/20

L.O: I can find fractions of a set of objects

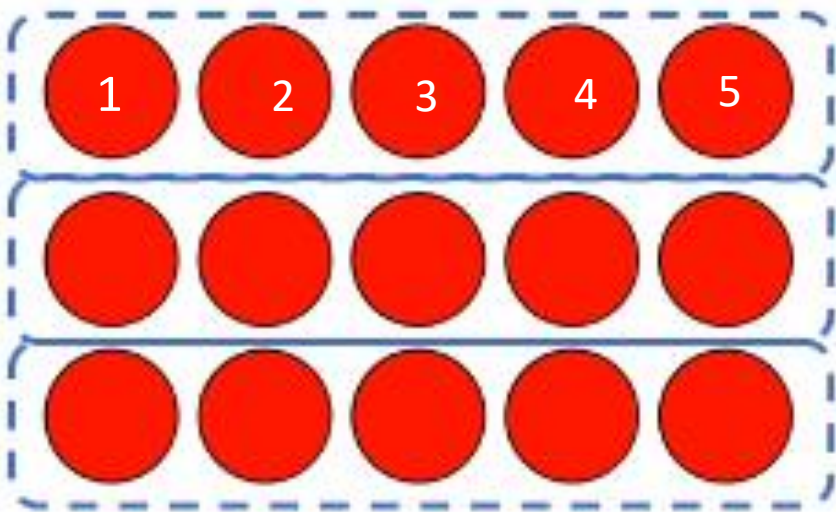


STEP THREE: Count the objects (remember, these represent the gummy bears!) in **ONE** group.

How many objects are in **one** group?

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L.O: I can find fractions of a set of objects



ANSWER: There are **five** gummy bears in one group.

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

Eva gets **5** gummy bears.

Tommy gives $\frac{1}{3}$ of the gummy bears to Eva.

How many gummy bears does Eva get?

8/12/20

L.O: I can find fractions of a set of objects

So there are 3 steps to follow to find a fraction of a set of objects:

- 1) Note the total number of objects
- 2) Look at the denominator to tell you how many groups the set of objects is split into.
- 3) Look at the numerator to tell you how many groups you are counting!

E.g. $\frac{1}{2}$ of 8 = ?

8/12/20

L.O: I can find fractions of a set of objects

E.g. 1 of 8 = ?
2

Step One: There are 8 objects in total.

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L.O: I can find fractions of a set of objects

E.g. $\frac{1}{2}$ of 8 = 4

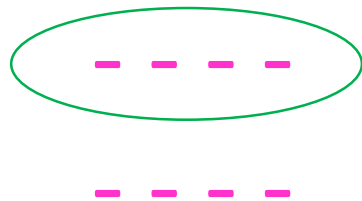
Step Two: I am dividing my 8 objects into 2 groups.

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L.O: I can find fractions of a set of objects

E.g. $\frac{1}{2}$ of 8 = 4

Step 3: Count the number of objects in ONE group.



= there are 4 objects in 1 group

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L.O: I can find fractions of a set of objects

Let's follow those 3 steps again with a different example...

- 1) Note the total number of objects
- 2) Look at the denominator to tell you how many groups the object is split into.
- 3) Look at the numerator to tell you how many groups you are counting!

E.g. 1 of 20 = ?
4

8/12/20

L.O: I can find fractions of a set of objects

E.g. 1 of 20 = ?
4

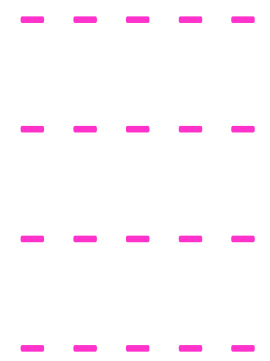
Step One: There are 20 objects in total.

8/12/20

L.O: I can find fractions of a set of objects

E.g. $\frac{1}{4}$ of 20 = ?

Step Two: Divide my 20 objects into 4 groups.

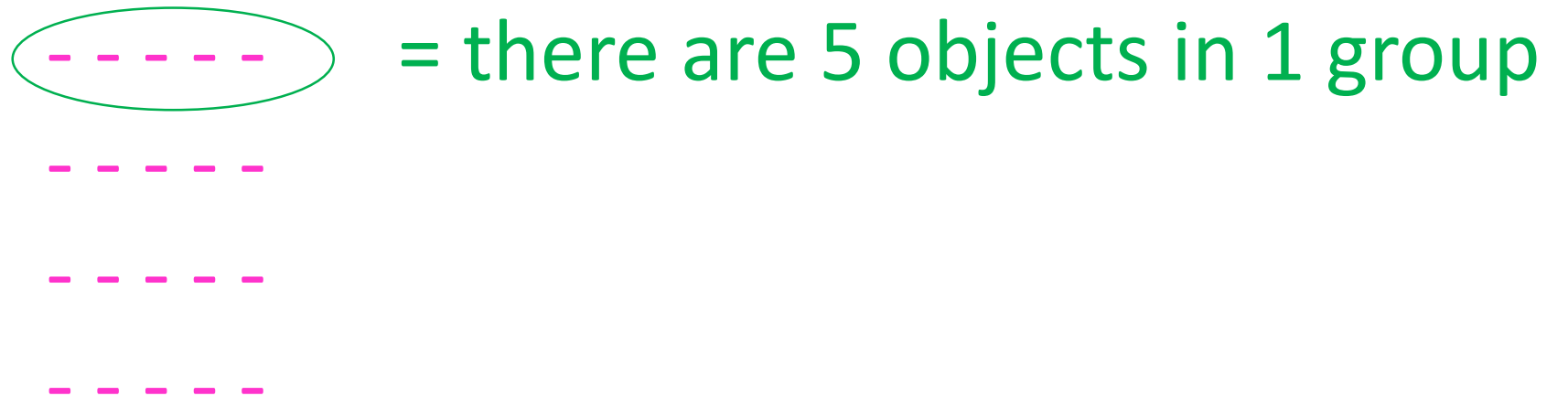


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L.O: I can find fractions of a set of objects

E.g. 1 of 20 = ?
4

Step 3: Count the number of objects in ONE group.



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L.O: I can find fractions of a set of objects

 = there are 5 objects in 1 group

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

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L.O: I can find fractions of a set of objects

Now complete 'Maths Task 8.12.20'. Choose either Mild, Spicy or Hot. When you have finished your Spice level (please only do one!) you have the option of completing the Challenge.