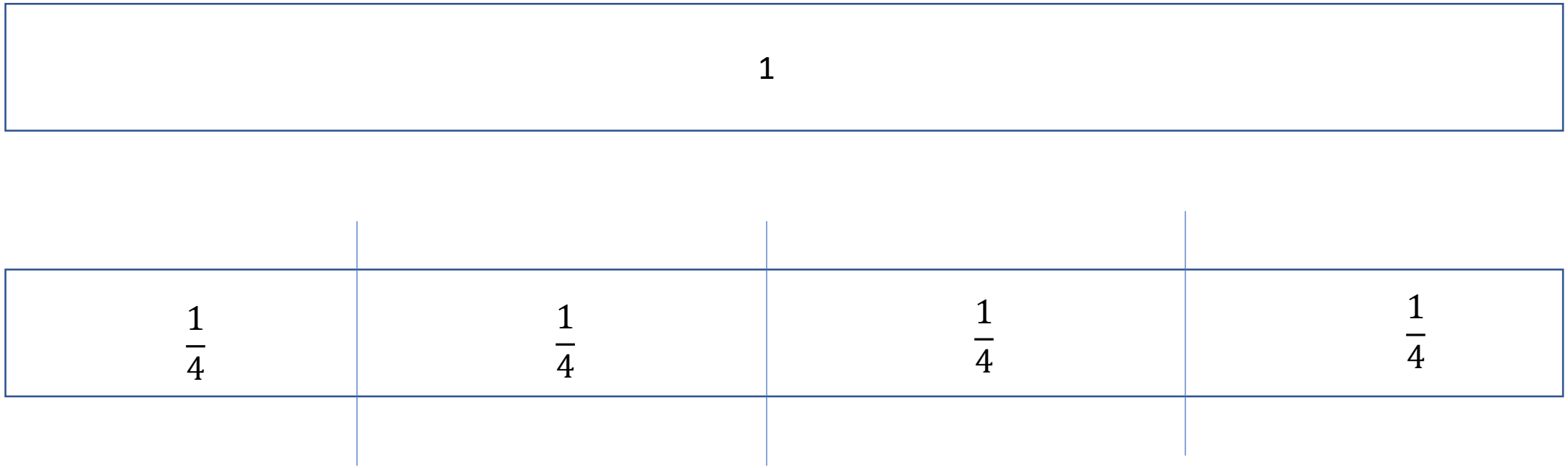
Lesson 3- Fractions

What do you need?

Pen and Paper

Blue Zone	Green Zone	Yellow Zone	Red Zone
 Going slow	 Good to go	 Caution Starting to lose control	 Stop! Out of control
E.g. sad, sick, tired, bored	E.g. happy, calm, focused, ok	E.g. worried, excited, annoyed	E.g. angry, terrified, elated



To find $\frac{1}{4}$, we must divide by 4.

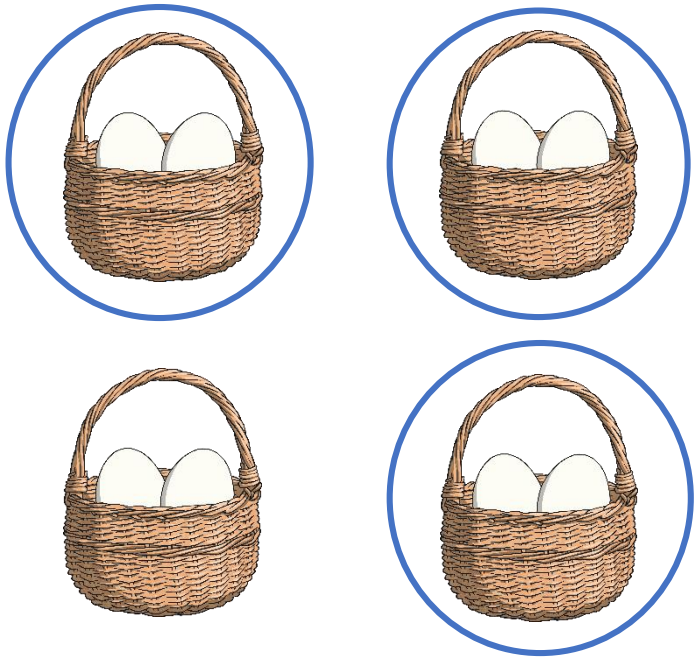
We have split our original into 4 equal parts.

What if we wanted ¾ ?

Finding Three Quarters (¾)

There will be 2 eggs in each basket.

To find **three** quarters, we want to find out how many eggs there are in **three** baskets, so we can do this:

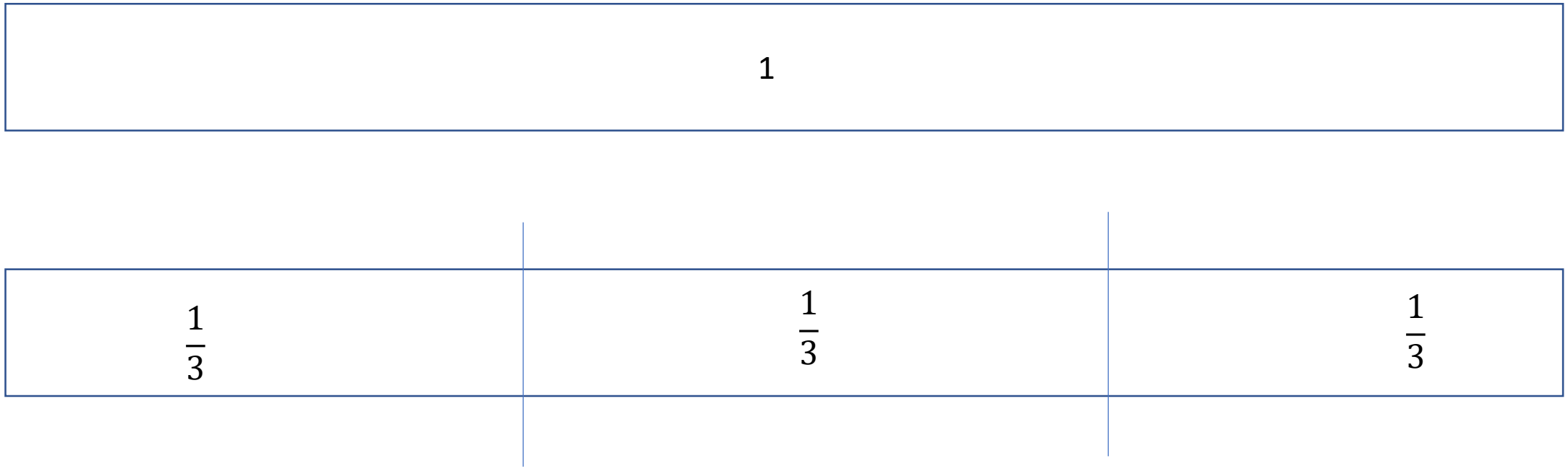


Three baskets = 3 × 2 eggs

3 × 2 = 6

There are 6 eggs in the 3 baskets.

So three quarters of 8 is 6. ¾ of 8 = 6



To find $\frac{1}{3}$, we must divide by 3.

We have split our original into 3 equal parts.

What if we wanted $\frac{2}{3}$?

Finding Two Thirds (⅔)

You know how to find one third, so now let's look at finding two thirds.
First find one third.

There are 6 paintbrushes. If we divide these brushes between 3 jars, how many brushes will be in each jar?

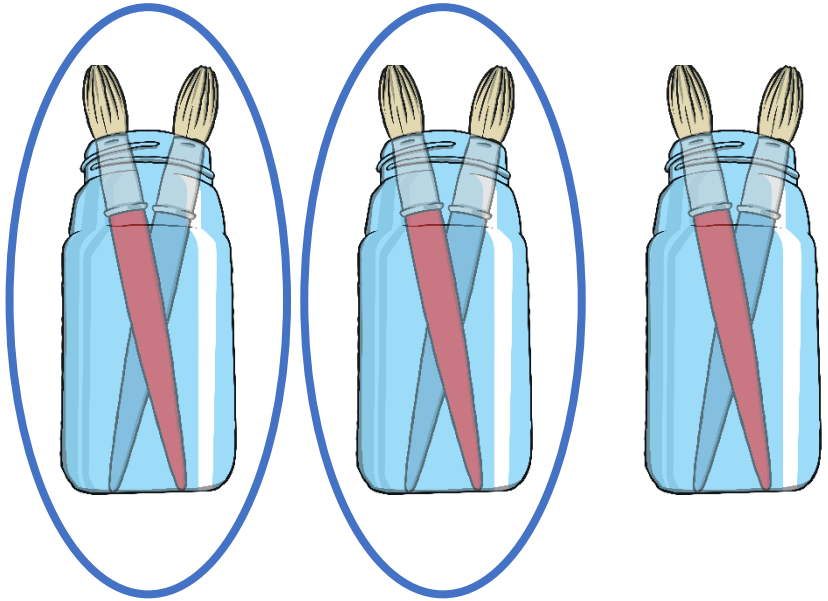
$$6 \div 3 = 2$$

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

Finding Two Thirds (⅔)

There will be 2 brushes in each jar.

To find **two** thirds, we want to find out how many brushes there are in **two** jars, so we can do this:



Two jars = 2 × 2 brushes

2 × 2 = 4

There are 4 brushes in the 2 jars.

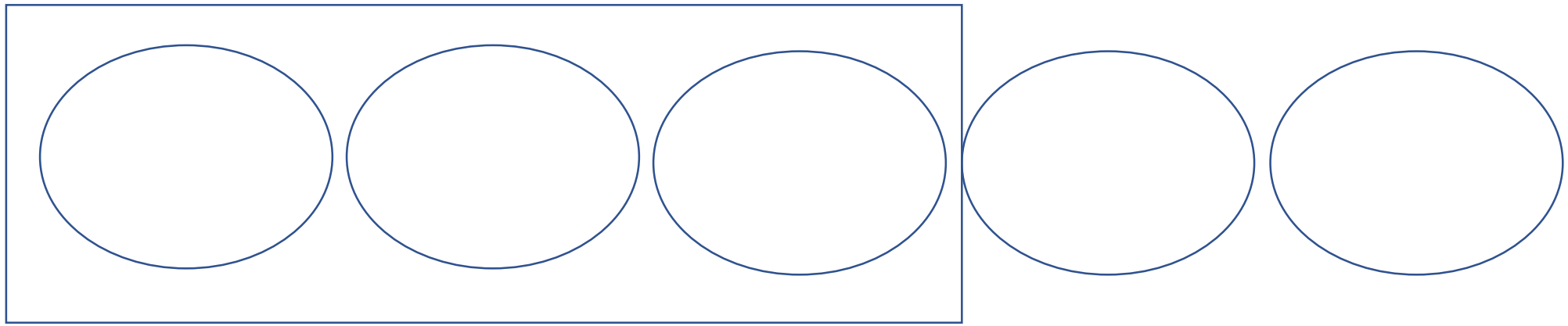
So two thirds of 6 is 4. ⅔ of 6 = 4

The rule!

When we find fractions of amounts, we divide by the bottom, and multiply by the top.

So…

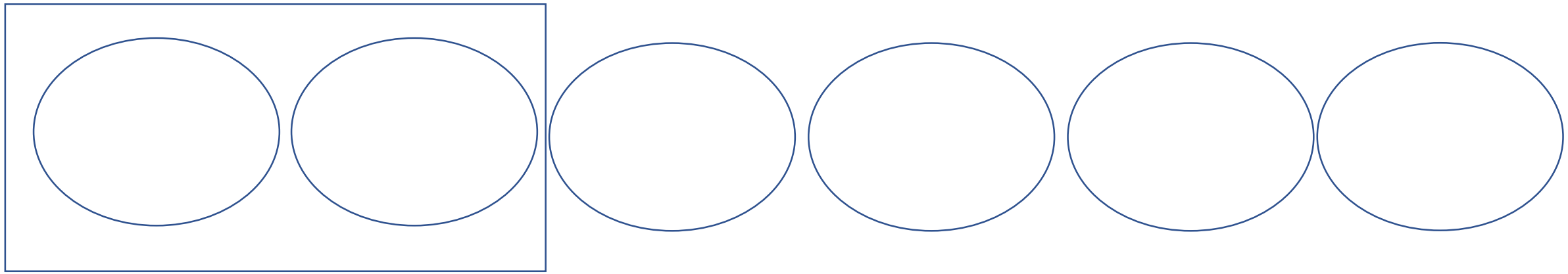
$$\frac{3}{5} \text{ of } 20$$



When we find fractions of amounts, we divide by the bottom, and multiply by the top.

So…

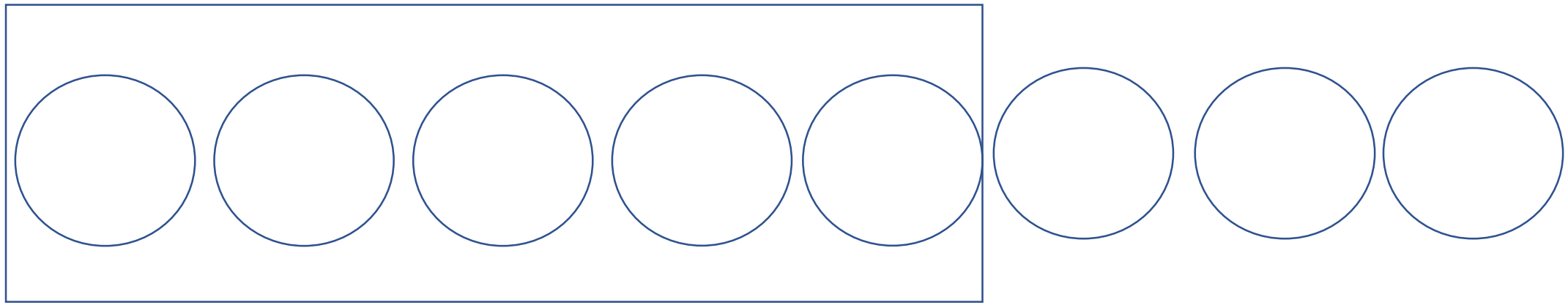
$$\frac{2}{6} \text{ of } 18$$



When we find fractions of amounts, we divide by the bottom, and multiply by the top.

So…

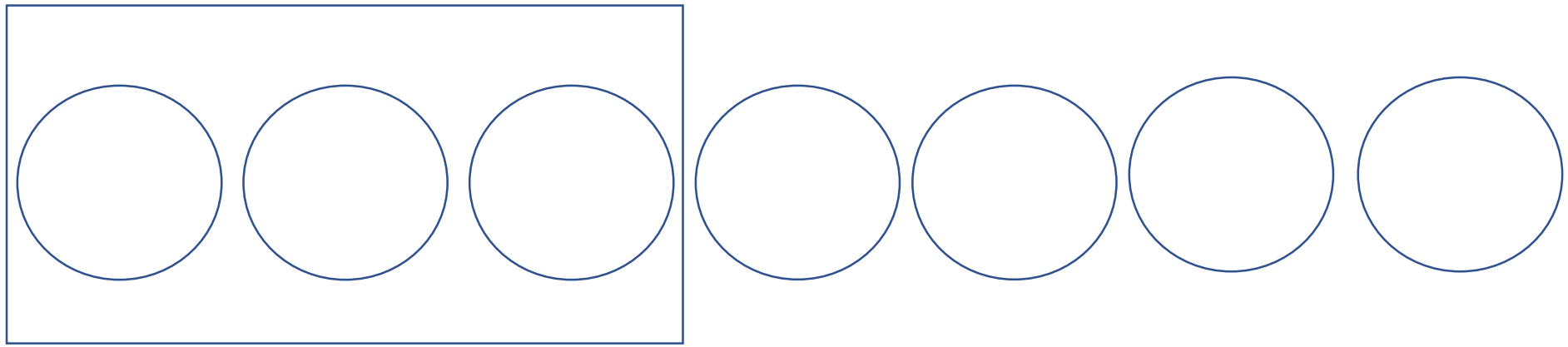
$$\frac{5}{8} \text{ of } 16$$



When we find fractions of amounts, we divide by the bottom, and multiply by the top.

So…

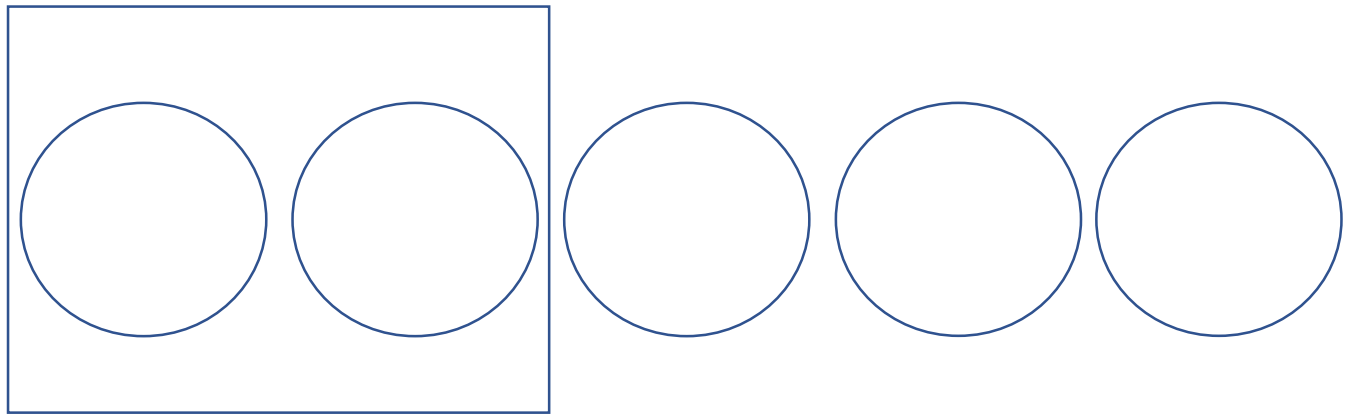
$$\frac{3}{7} \text{ of } 28$$



When we find fractions of amounts, we divide by the bottom, and multiply by the top.

So…

$$\frac{2}{5} \text{ of } 25$$



Your turn!

Calculate the following fractions of amounts;

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

2) $\frac{2}{6}$ of 18=

3) $\frac{2}{5}$ of 25 =

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

5) $\frac{3}{4}$ of 40 =

6) $\frac{2}{3}$ of 21=

7) $\frac{9}{10}$ of 30 =

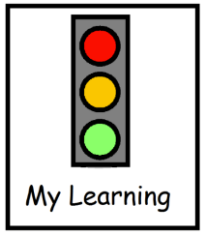
8) $\frac{2}{9}$ of 18 =

9) $\frac{2}{4}$ of 32 =

10) $\frac{3}{4}$ of 24 =

11) $\frac{1}{3}$ of 27=

12) $\frac{4}{10}$ of 100 =



Traffic light your work today.

Thumbs down- I don’t understand it

Thumbs across- I understand some of it

Thumbs up- I understand all of it