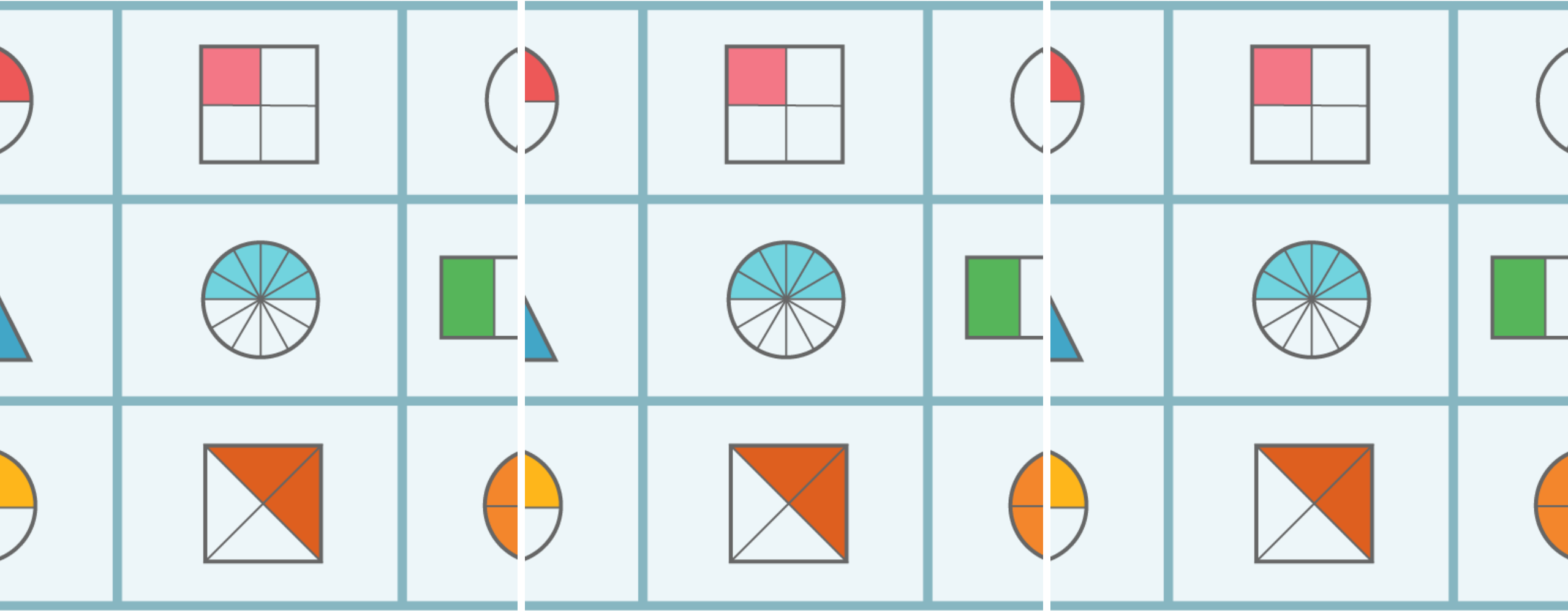




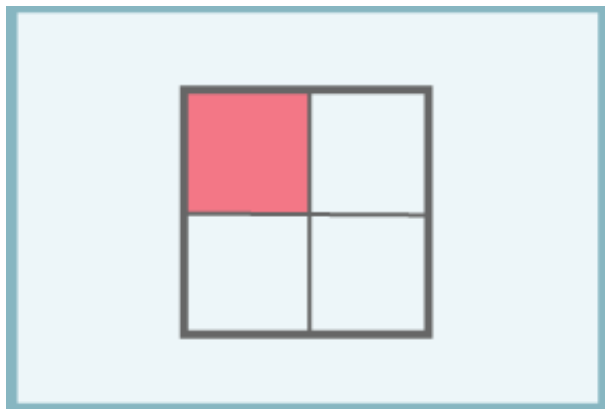
FRACTIONS OF NUMBER AND QUANTITIES

TUESDAY 9TH FEBRUARY 2021

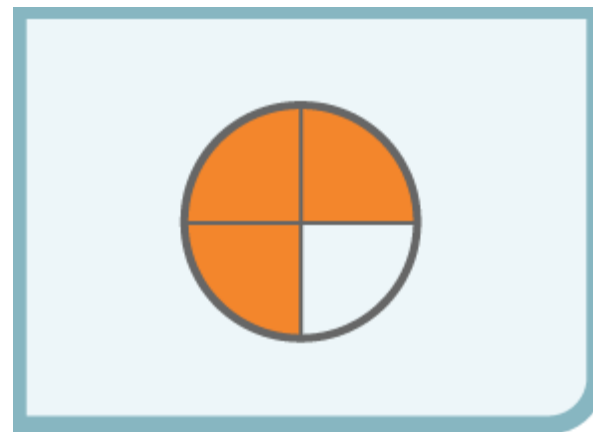
OBJECTIVES

- Understand how $\frac{1}{2}$ and $\frac{2}{4}$ are the same
- Understand how fractions relate to division
- Finding fractions of quantities

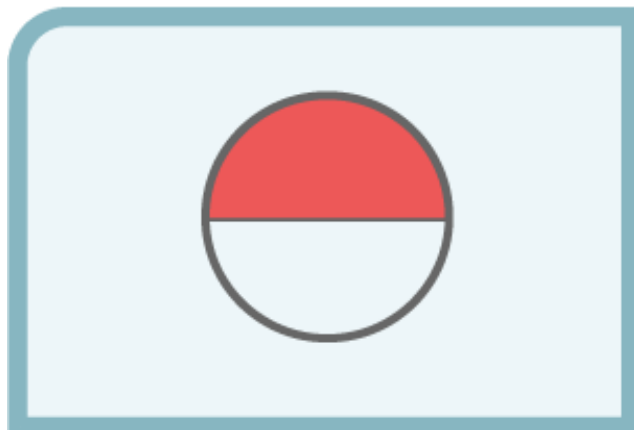
NAME THE FRACTION



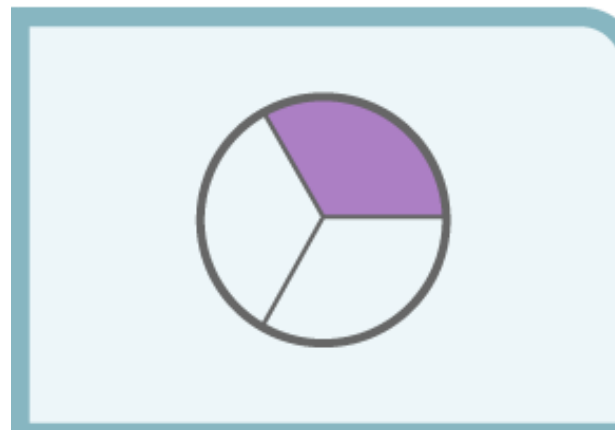
$$\frac{1}{4}$$



$$\frac{3}{4}$$



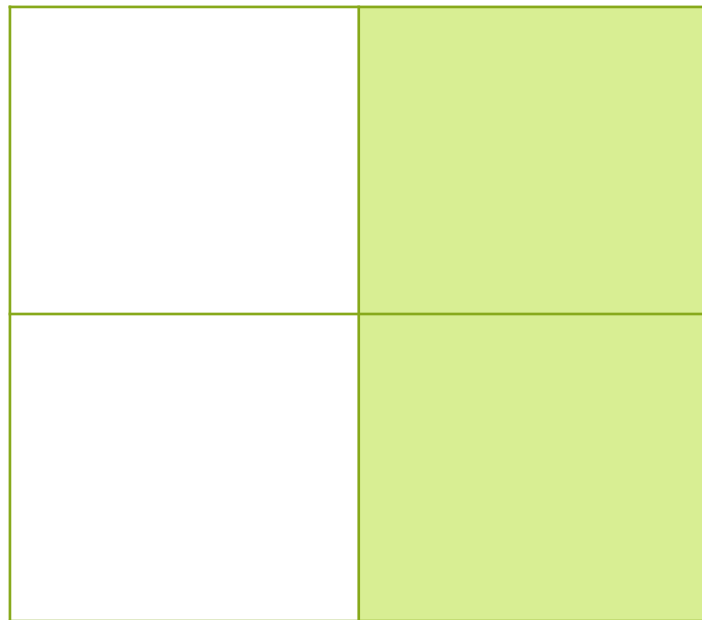
$$\frac{1}{2}$$



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

WHAT DO YOU NOTICE?

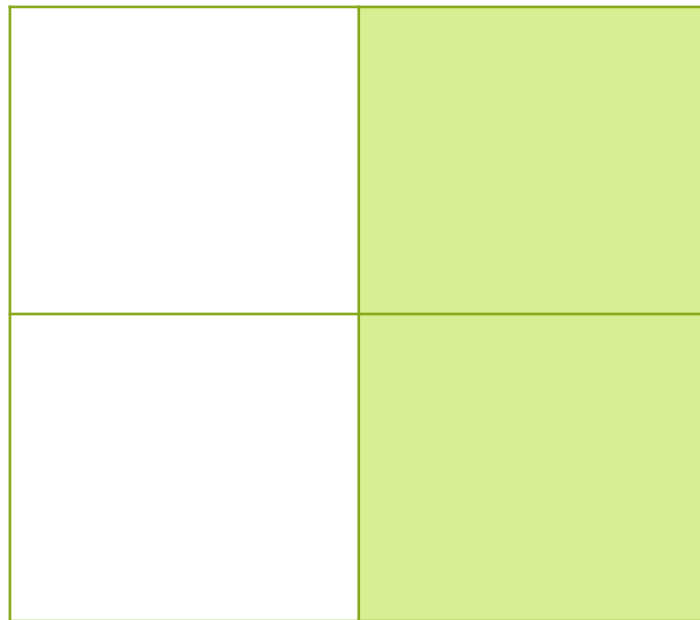
$\frac{1}{2}$?



$\frac{2}{4}$?

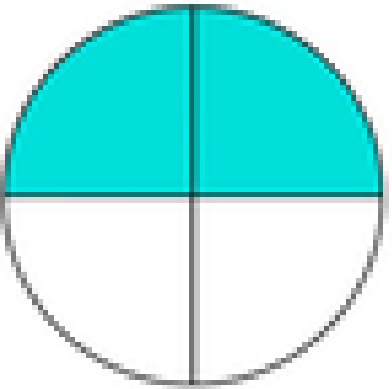
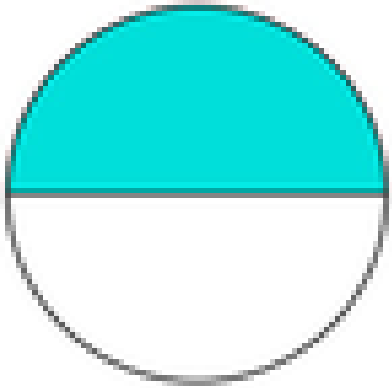
WHAT DO YOU NOTICE?

$$\frac{1}{2}$$

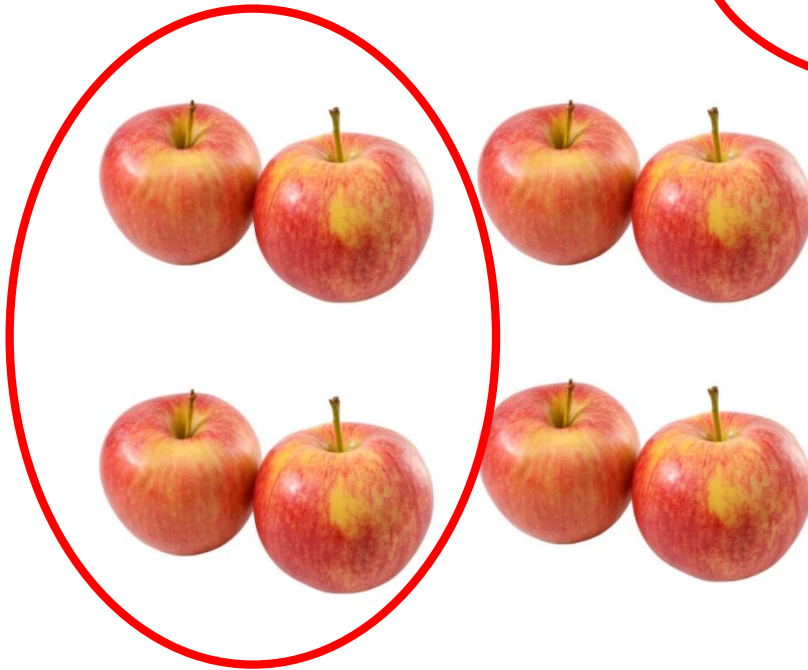
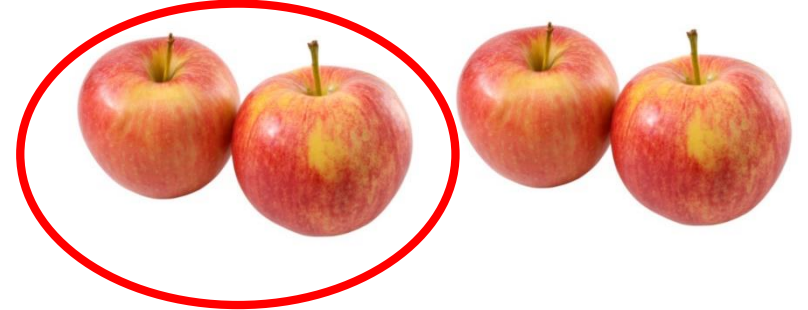
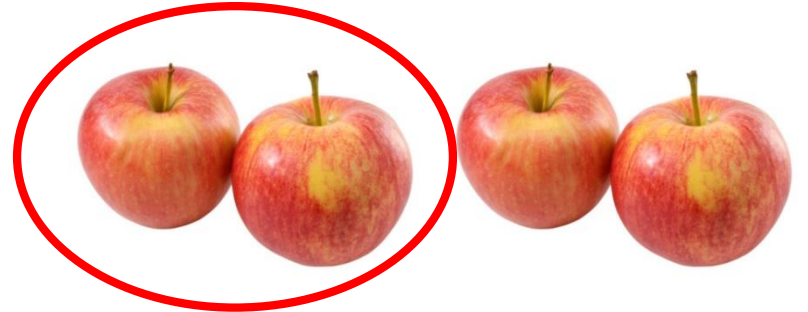


$$\frac{2}{4}$$



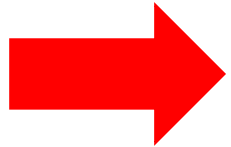


$$\frac{1}{2} = \frac{2}{4}$$



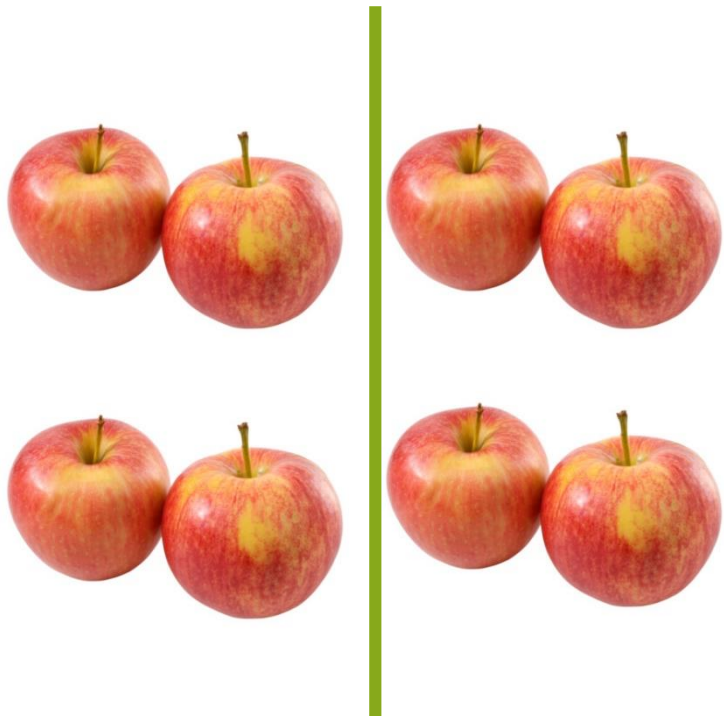
OBJECTIVES

- Understand how $\frac{1}{2}$ and $\frac{2}{4}$ are the same



- Understand how fractions relate to division
- Finding fractions of quantities

$$\frac{1}{2} \text{ OF } 8 = 4$$



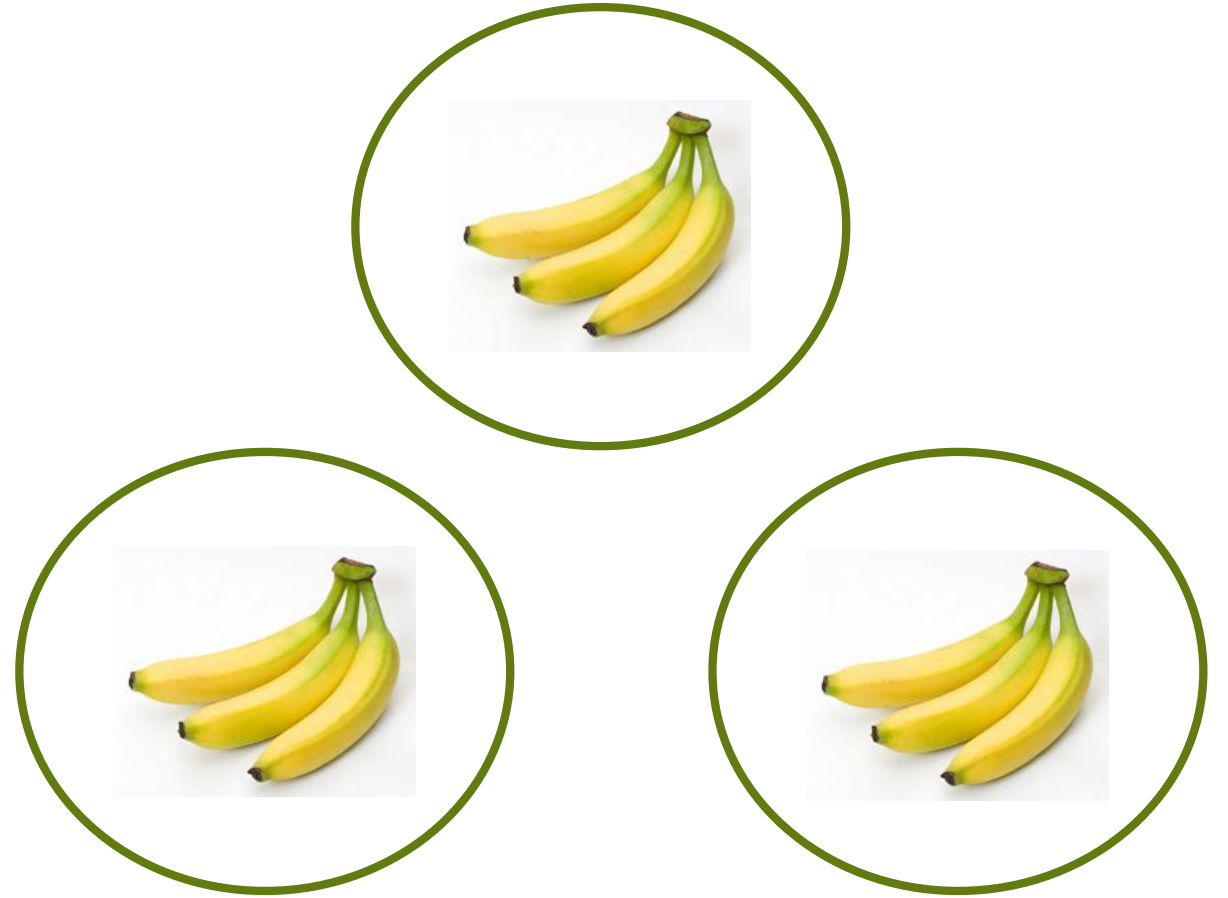
$$8 \div 2 = 4$$



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



$$9 \div 3 = 3$$



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



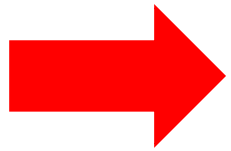
Divide by
the
denominator

OBJECTIVES

- Understand how $\frac{1}{2}$ and $\frac{2}{4}$ are the same



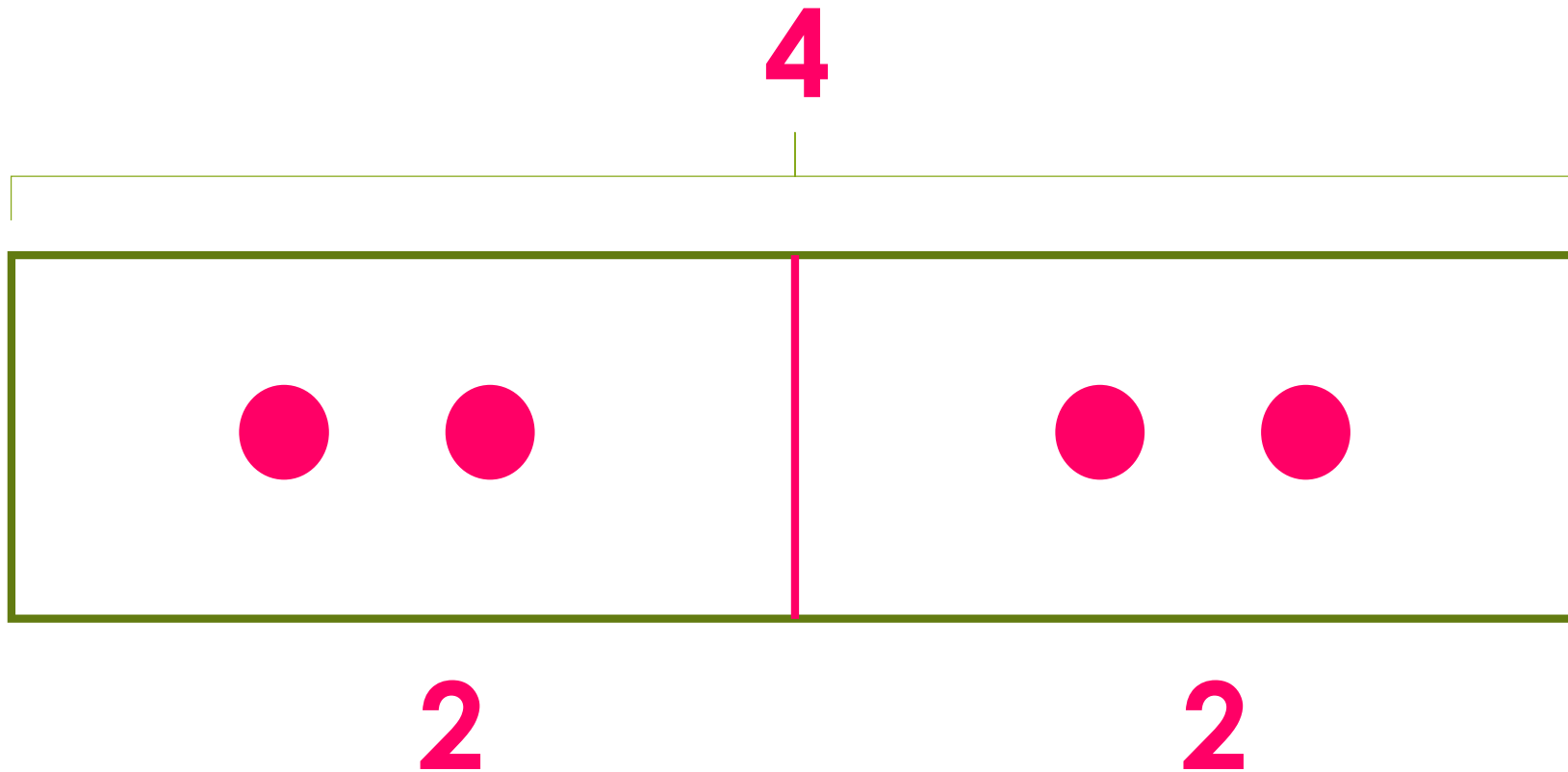
- Understand how fractions relate to division



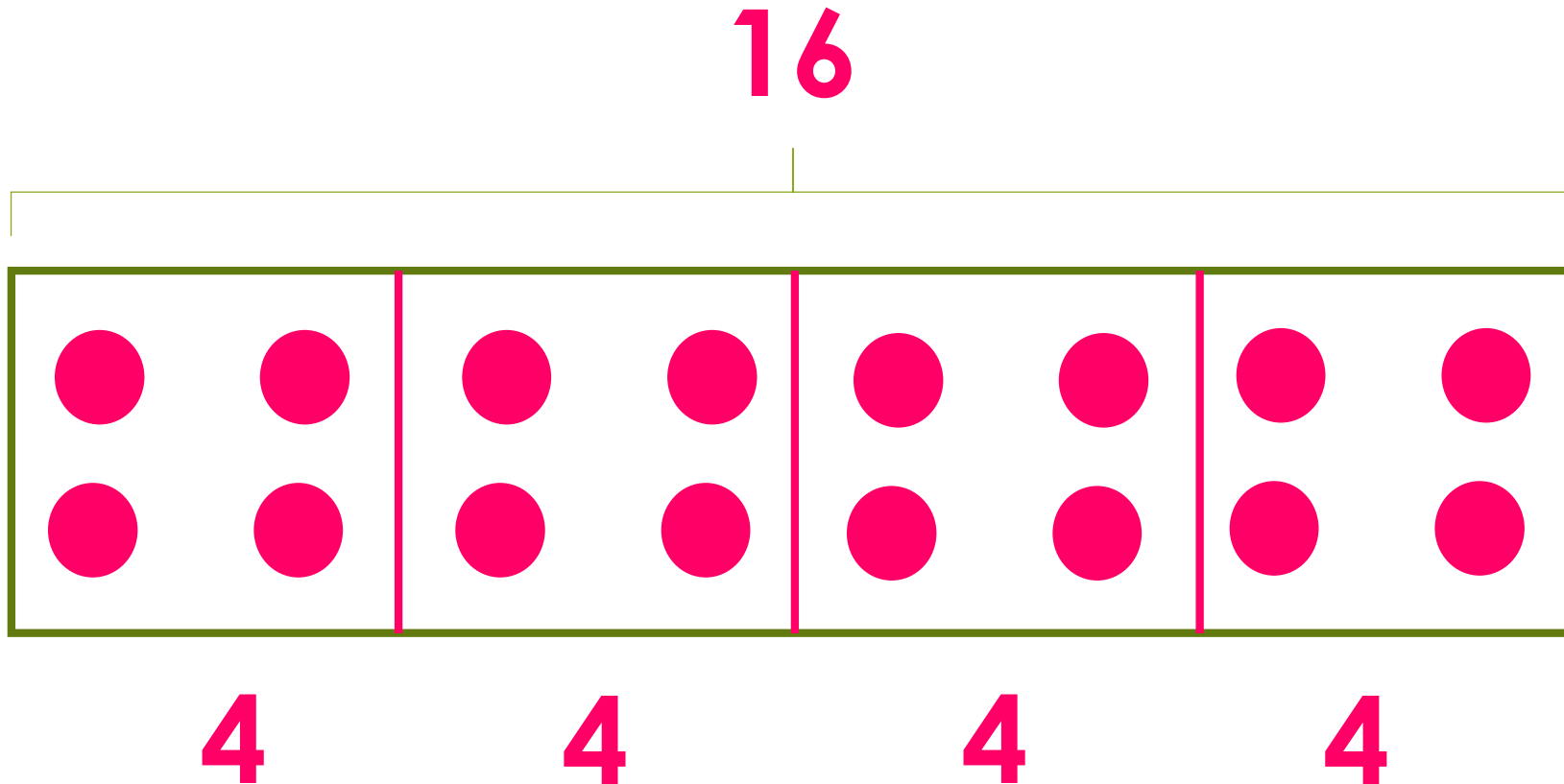
- Finding fractions of quantities

Let's look at the **bar model**
method to find fractions of
quantities

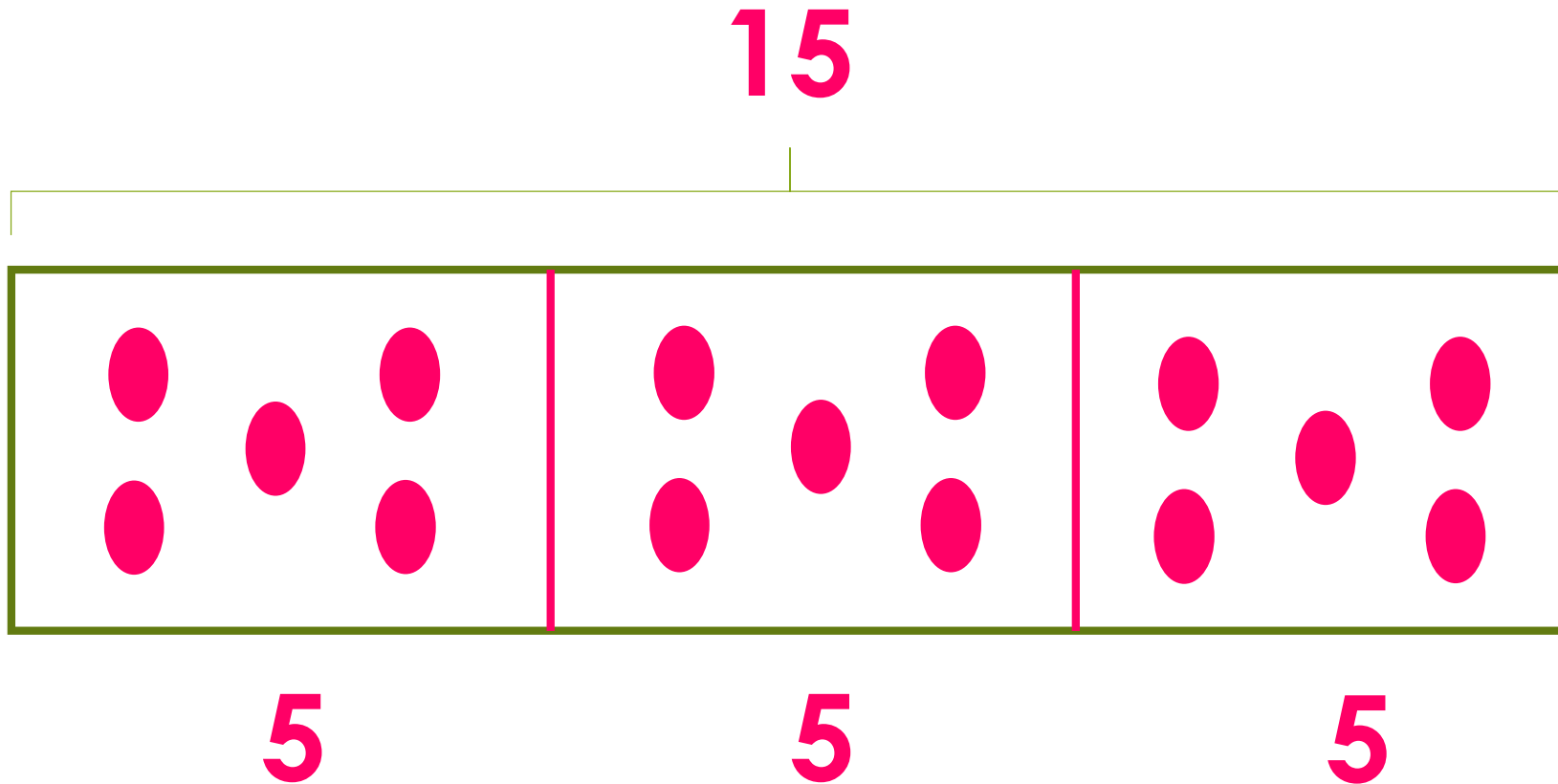
Finding $\frac{1}{2}$ = Dividing by 2 e.g. $\frac{1}{2}$ of 4?



Finding $\frac{1}{4}$ = Dividing by 4 e.g. $\frac{1}{4}$ of 16?

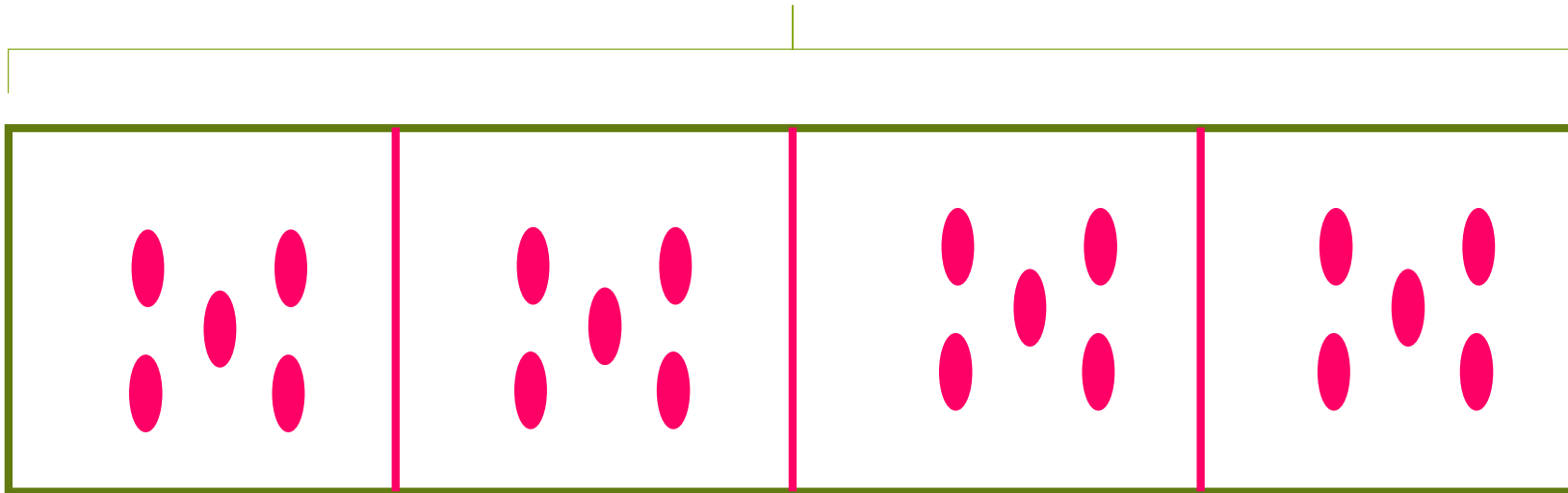


Finding $\frac{1}{3}$ = Dividing by 3 $\frac{1}{3}$ of 15



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

20



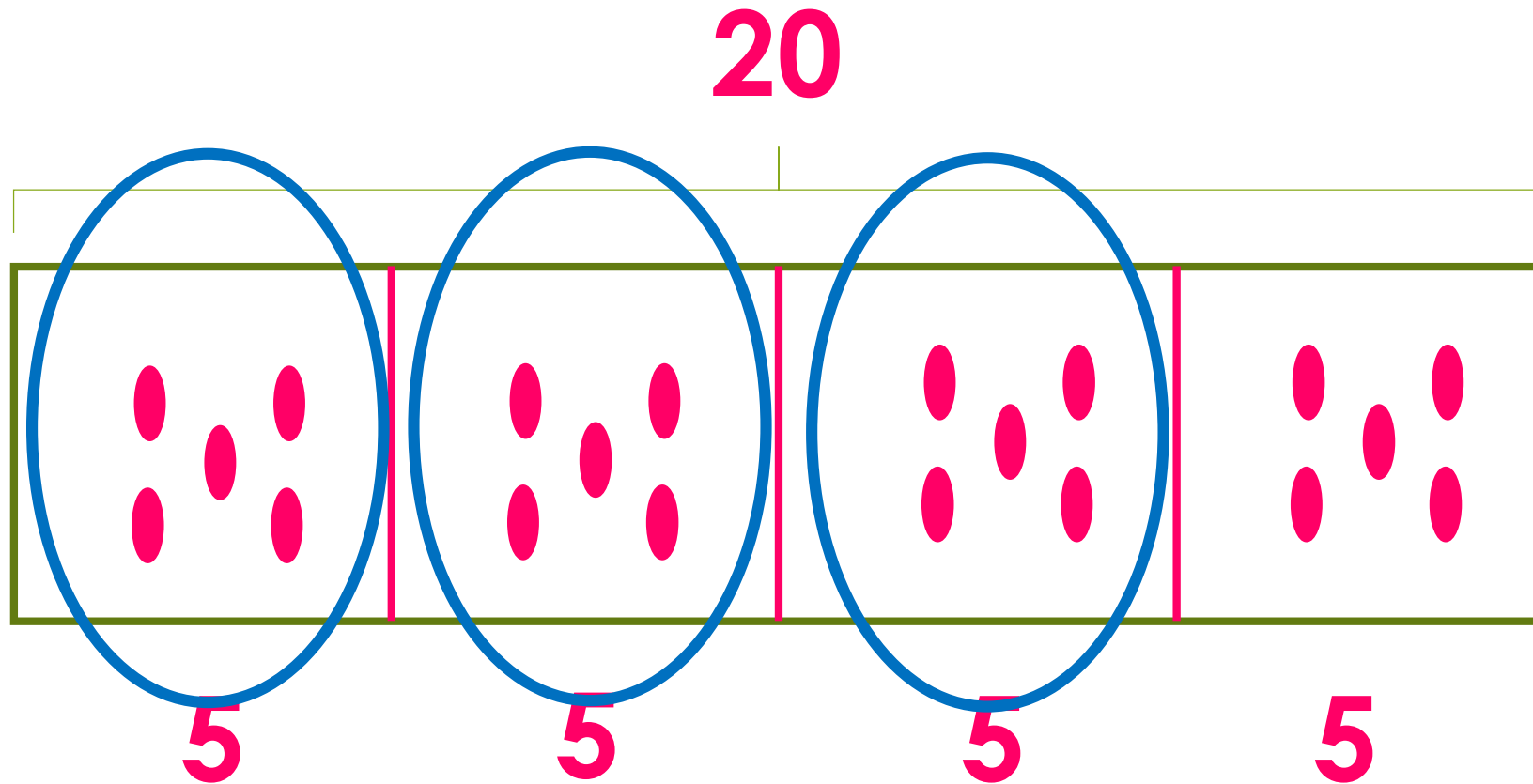
5

5

5

5

$$\frac{3}{4} \text{ of } 20 = 15$$



OBJECTIVES

- Understand how $\frac{1}{2}$ and $\frac{2}{4}$ are the same



- Understand how fractions relate to division



- Finding fractions of quantities



AFTER ZOOM ▪ Complete Tuesday Worksheet

Tuesday Worksheet

Fractions of number

9/2/21

1. I know that $\frac{1}{2}$ of 10 =
Therefore I know $10 \div 2 =$

I know $\frac{1}{4}$ of 16 =
Therefore I know $16 \div 4 =$

I know $\frac{1}{2}$ of ____ = 12
Therefore I know $24 \div 2 =$

I know $\frac{1}{4}$ of 12 =
There for I know $12 \div \underline{\hspace{1cm}} = 3$

2. What is $\frac{1}{2}$ of 18?

Show your working out.

3. What is $\frac{2}{3}$ of 15? Use the diagram to help you work it out.



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

4. 30 sweets shared between 3 people means each person gets 10 sweets each.
Show this as a number sentence, using a fraction.

5 Year 2 are planting sunflower seeds.

Annie has 4 pots and 12 seeds.
She plants the same number of seeds in each pot.

a) Draw the seeds she puts in each pot.

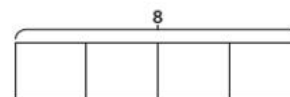


b) Complete the number sentences.

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

6 The bar model is split into 4 equal parts.

a) What is the value of each part?
Label it on the bar model.



b) Use the bar model to find $\frac{3}{4}$ of 8

7 Draw a bar model to find $\frac{3}{4}$ of 40



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

8 Write <, > or = to compare the statements.

a) $\frac{1}{4}$ of 4 $\frac{3}{4}$ of 4

b) $\frac{1}{2}$ of 20 $\frac{3}{4}$ of 20

9 Scott has some seeds.

He puts $\frac{3}{4}$ of the seeds into his hand.



He puts the rest of the seeds on the table.

How many seeds does Scott have in his hand?

Use a bar model to help you.