



**Tuesday 5<sup>th</sup> May**

**L.K: Non-unit fractions of quantities**

Non-unit fractions of quantities are different in that they have a numerator that is bigger than '1'.

Using the same methods as unit fractions of quantities, you need to divide the whole number by the denominator and then multiply it by the numerator. For example,

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

$$20 \div 5 = 4$$

$$4 \times 3 = 12$$

So our answer would be 12.

If you want to get feedback/show off your work, send it to [WDV.Year4@oasiswoodview.org](mailto:WDV.Year4@oasiswoodview.org)

Practice using the following questions:

1)  $\frac{2}{5}$  of 10 =

2)  $\frac{4}{6}$  of 24 =

3)  $\frac{3}{7}$  of 21 =

4)  $\frac{4}{9}$  of 81 =

5)  $\frac{3}{12}$  of 24 =

6)  $\frac{4}{9}$  of 999 =

7)  $\frac{11}{13}$  of 104 =

8)  $\frac{11}{10}$  of 100 =

9)  $\frac{21}{3}$  of 42 =

## Reasoning and Problem Solving

### One Star

- 1) Tim has 24 apples. Use counters to represent his apples and find:

$$\frac{1}{2} \text{ of } 24 \quad \frac{1}{4} \text{ of } 24 \quad \frac{1}{3} \text{ of } 24 \quad \frac{1}{6} \text{ of } 24$$

Now calculate:

$$\frac{2}{2} \text{ of } 24 \quad \frac{3}{4} \text{ of } 24 \quad \frac{2}{3} \text{ of } 24 \quad \frac{5}{6} \text{ of } 24$$

- 2) I have a box of oranges that contains 250 oranges. I give away  $\frac{3}{5}$  of the oranges in one day. How many oranges do I give away that day?
- 3) My reading book contains 350 pages. If I read  $\frac{1}{7}$  of my book per day, how long would it take to finish my book? How do you know?

### Two Star

- 1) How do you know that you're correct?

Jenny eats  $\frac{3}{8}$  of 240 g bar of chocolate.  
How many grams does she have left?

- 2) True or False?

To find  $\frac{3}{8}$  of a number, divide by 3 and multiply by 8



Convince me

- 3) A dog eats  $\frac{7}{8}$  of a bag of food per day. If the bag weighs 1600g, how much does it eat per day in weight? How do you know that you are correct? Explain your method!

### Three Star

- 1) How do you know that you are correct? Convince me!

True or False?

To find  $\frac{3}{8}$  of a number, divide by 3 and multiply by 8



Convince me

- 2) Why do you think that you are correct? Can you prove it using bar models as well?

How many ways can you make the statement correct?

$$\frac{2}{9} \text{ of } 81 > \frac{3}{4} \text{ of } \square$$

- 3) Ask Mr Crowe for question 3!

- 4) My reading book contains 640 pages. If I read  $\frac{2}{16}$  of my book per day, how long would it take to finish my book? How do you know?

