Year 4 Math Term 1 Week 7 Lesson 5
LO: To understand the relation between non-unit fractions and multiplication and division.

Challenge: 1

1 Work out these non-unit fractions.

a $\frac{3}{4}$ of 12

b $\frac{3}{4}$ of 20

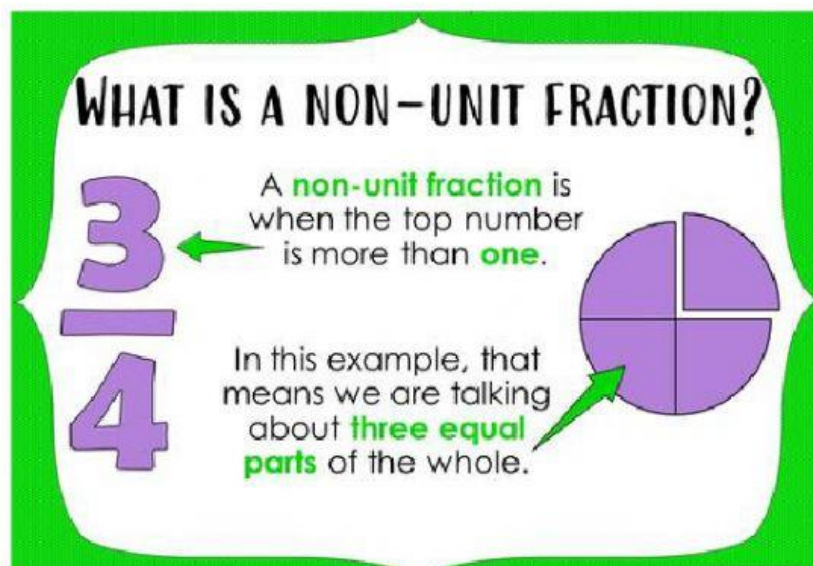c $\frac{3}{4}$ of 32

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

e $\frac{2}{3}$ of 18

f $\frac{2}{3}$ of 27

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Challenge: 2

1. $\frac{1}{4}$ of 24 = _____

2. $\frac{2}{3}$ of 66 = _____

3. $\frac{2}{10}$ of 10 = _____

4. $\frac{6}{9}$ of 18 = _____

5. $\frac{3}{6}$ of 6 = _____

6. $\frac{4}{8}$ of 64 = _____

7. $\frac{2}{10}$ of 70 = _____

8. $\frac{4}{7}$ of 70 = _____

9. $\frac{2}{5}$ of 40 = _____

WHAT IS A NON-UNIT FRACTION?

$\frac{3}{4}$

A **non-unit fraction** is when the top number is more than **one**.

In this example, that means we are talking about **three equal parts** of the whole.

Example 1

Find $\frac{2}{5}$ of 40

First we find $\frac{1}{5}$ of 40 = 8 (by dividing by 5)

Then we find $\frac{2}{5}$ of 40 = 8 x 2 = 16 (by multiplying by 2)

10. $\frac{2}{5}$ of 45 = _____   11. $\frac{1}{5}$ of 20 = _____   12. $\frac{5}{7}$ of 14 = _____

13. $\frac{5}{10}$ of 70 = _____   14. $\frac{3}{5}$ of 10 = _____   15. $\frac{3}{5}$ of 35 = _____

16. $\frac{3}{4}$ of 80 = _____   17. $\frac{5}{8}$ of 24 = _____   18. $\frac{7}{9}$ of 54 = _____