$\frac{5}{8}$ of 64 = ☐

$\frac{7}{8}$ of 64 = ☐

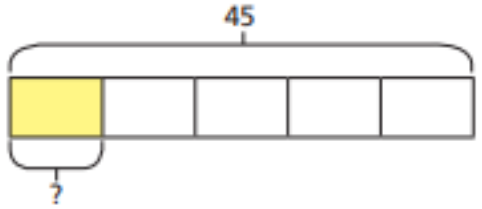
$\frac{10}{8}$ of 64 = ☐

RECALL

Annie and Mo are finding fractions of amounts.

a) Annie is trying to find $\frac{1}{5}$ of 45

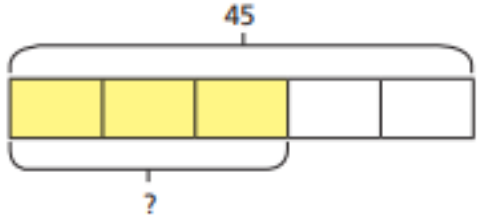
She draws this bar model.



How does the bar model represent the calculation?

What is $\frac{1}{5}$ of 45?

b) Mo is trying to find $\frac{3}{5}$ of 45



How does the bar model represent the calculation?

What is $\frac{3}{5}$ of 45?

c) What is the same and what is different about Mo and Annie's questions?

GUIDED PRACTICE

LO: Fractions of an amount.

Some will even use data to work out fractions of amount.
Some will order fractions of amount.
Most will match fractions of amount to their calculations.
All will use bar models to help them work out fractions of amount.

LEARNING HABIT RESILIENCE.

$\frac{1}{3}$ of 27

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

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

$\frac{1}{3}$ of 72

$\frac{1}{6}$ of 72

$\frac{1}{12}$ of 72

$\frac{1}{3}$ of 90

$\frac{2}{6}$ of 90

$\frac{3}{9}$ of 90

What patterns do you notice?

INTELLIGENT PRACTICE.

Dive deeper 1

Match the calculations to the correct amounts.

$\frac{5}{8}$ of 48	32
$\frac{2}{3}$ of 48	40
$\frac{5}{6}$ of 48	30
$\frac{3}{4}$ of 48	36

Dive deeper 2

Write <, > or = to compare the calculations.

a) $\frac{5}{7}$ of 56 ◯ $\frac{5}{8}$ of 56

b) $\frac{4}{7}$ of 56 ◯ $\frac{5}{8}$ of 56

c) $\frac{2}{3}$ of 63 ◯ $\frac{5}{8}$ of 64

d) $\frac{7}{10}$ of 350 ◯ $\frac{5}{7}$ of 350

Which is the odd one out?

$\frac{3}{4}$ of 80 | $\frac{3}{8}$ of 160 | $\frac{2}{3}$ of 90 | $\frac{3}{4}$ of 100

Explain your choice.

Dive deeper 3

320 people were asked about their favourite flavour of ice cream.

Here is a pictogram showing the results.

vanilla	🍦🍦🍦🍦🍦
strawberry	🍦🍦🍦🍦🍦
chocolate	🍦🍦🍦
mint choc chip	🍦🍦🍦🍦🍦🍦🍦

a) How many people chose mint choc chip?

b) How many more people chose vanilla than chocolate?

DIVE DEEPER