

Lesson 35 **NUMBER****Finding a unit fraction of a quantity**

WHAT THIS LESSON TEACHES

A unit fraction has 1 on top, like one half, one third or one quarter. To find a unit fraction of a set, split the whole set into the number of equal groups the bottom number shows, and take one group.

→ One third of 12 means share 12 into 3 equal groups: each group is 4.

→ One half of 8 = 4.

MODEL THIS ON THE BOARD

ONE QUARTER OF 12

1 The bottom number is **4**, so share **12** into **4** equal groups.

2 $12 \div 4 = 3$, so each group has **3**.

3 Take one group: one quarter of $12 = 3$.

12			
3	3	3	3

DISCUSSION STARTER

REFLECT Do you find one equal part first, then build up — and when does that feel easiest?

ANSWER KEY

Scaffold: visual check on the page

Q1: 3

Q2: 6

Q3: 5

Q4: 4

a) Always — Lesson shows one third means share into 3 equal groups (divide by 3) and take one group.

b) Always — Share 12 into 4 equal groups: 12 divided by 4 = 3.

c) Always — Share 6 into 2 equal groups: 6 divided by 2 = 3.

d) Always — Share 10 into 5 equal groups: 10 divided by 5 = 2.

EXTENSION SHEET · STRETCH ANSWERS

S1: 36

S2: 120

S3: 22

S4: 25

S5: 77

Investigation: Fraction feast for the class — open-ended; scan pupils' working for valid solution paths rather than a single answer.