

Finding a fraction of a quantity

WHAT THIS LESSON TEACHES

The bottom number of a fraction tells us how many equal parts the whole is split into, so we divide by it first.

→ In $\frac{3}{4}$ of 20, divide 20 by 4 to get one part of 5.

→ Then multiply by the top number: 3 times 5 equals 15.

MODEL THIS ON THE BOARD

FINDING $\frac{3}{4}$ OF 24 SWEETS

- ① Divide 24 by the bottom number 4 to find one part: 24 divided by 4 equals 6.
- ② Multiply by the top number 3: 3 times 6 equals 18.
- ③ So $\frac{3}{4}$ of 24 is 18 sweets.

ANSWER KEY

Scaffold: visual check on the page

Q1: 15 apples

Q2: 20 euro

Q3: 40 minutes

Q4: 14 biscuits

Q5: 32 books

a) Always — The denominator always tells you the number of equal parts to divide by first.

b) Never — The numerator can be smaller than, equal to or bigger than the denominator.

c) Always — This order always works for any proper fraction of a quantity.

d) Never — Different numerators give different results even with the same whole.

EXTENSION SHEET · STRETCH ANSWERS

S1: 72

S2: 57

S3: 77

S4: 8

S5: 32