

Introducing Fractions

Unit · Halves, quarters and eighths through repeated halving

CURRICULUM FOCUS

Recognise and describe one-half as one of 2 equal parts of a whole and connect halves, quarters and eighths through repeated halving.

LEARNING INTENTION We are learning to make equal parts and name halves, quarters and eighths by halving.

Equal parts

One-half

Quarters

Eighths

Halve again

1

Equal Parts

Step 1: split the whole. Step 2: check the parts match. One-half is 1 of 2 equal parts.

1 whole = 2 equal halves

2

Halve Again

Halve a half to make quarters. Halve again to make eighths.

half → quarter → eighth

3

Name the Part

Name each part by how many equal pieces fill the whole.

2 halves = 4 quarters = 8 eighths

WATCH FOR

Calling unequal pieces halves. If one piece is bigger, they are not halves.

REMEMBER

Half means 1 of 2 equal parts of one whole.

LET'S TALK

Are these two parts equal? How do you know?

MATERIALS

Paper strips, fraction bars, folded circles, grid paper.

TEACHER MODELLING ROUTINE

I do → We do → You do

WORKED EXAMPLES TO MODEL

$\frac{1}{2}$

1 of 2 parts

$\frac{1}{4}$

1 of 4 parts

$\frac{1}{8}$

1 of 8 parts

$\frac{8}{8}$

one whole