

# Halving Collections

Elaboration 1 · Sharing a collection into 2 equal groups

## ELABORATION FOCUS

Creating halves of collections by sharing them into 2 equal groups; for example, comparing half of a set of 12 washers with half of a set of 8 bolts to see how each is one-half of its own set.

**LEARNING INTENTION** We are learning to make one-half of a collection by sharing it into 2 equal groups.

Share equally

Two groups

Count a group

One-half

Compare sets

**1**

### Share Into Two

Deal the collection one at a time into 2 equal groups until none are left.

**2**

### Count a Group

One group is one-half. Half of 12 washers is 6.

**3**

### Compare Sets

Half of 8 bolts is 4. Different totals, but each is one-half.

## MODEL BY SHARING A COLLECTION

Share each set into 2 equal groups. One shaded group is one-half of the set.

Deal 12 one by one



one-half of 12 = 6

Deal 8 one by one



one-half of 8 = 4

Half of 12 is 6 and half of 8 is 4 — each shaded group is one-half of its own set.

## TEACHER MODELLING ROUTINE

**I do → We do → You do**

### WATCH FOR

Making groups that are not equal — each group must have the same amount.

### REMEMBER

One-half of a set means sharing it into 2 equal groups.

### MATERIALS

Counters, washers, bolts, paper plates, sorting hoops.