

Double It, Halve It, Know It

Elaboration 2 · Practising with real collections

ELABORATION FOCUS

Doubling and halving real collections over and over, so the multiplication and division facts for twos become quick recall.

LEARNING INTENTION I can double and halve a collection quickly.

Collections

Double

Halve

Check

Recall

1

Double the Collection

Step 1: count a handful of counters. Step 2: make a second matching set.

2

Halve It Back

Step 3: share the big pile into 2 equal rows. Step 4: check both rows match.

3

Say It Fast

Step 5: record both facts. Step 6: practise until you say them without counting.

MODEL · DOUBLING AND HALVING A COLLECTION OF 7

Build it, double it, then halve it back and check the two rows match.



Double a collection to multiply it by 2, halve it to divide by 2.
7 counters doubled is 14, so $7 \times 2 = 14$ and $14 \div 2 = 7$.

TEACHER MODELLING ROUTINE

I do → We do → You do

WATCH FOR

Recounting the whole pile each time instead of trusting the double already known.

REMEMBER

Say it to students as: "Make a matching set, then check the two rows are equal."

MATERIALS

Counters, cubes, bottle tops, pegs, sorting trays, two-row mats, fact cards.