

Recycle, Group & Represent

Elaboration 4 · Grouping recycled materials into hundreds, tens and ones

ELABORATION FOCUS

Collecting large quantities of materials for recycling; for example, ring pulls, bottle tops and bread tags, and grouping them into ones, tens and hundreds; using the materials to show different representations of two- and three-digit numbers.

LEARNING INTENTION We are learning to collect and group materials into ones, tens and hundreds, and to show a number in different ways.

Collect

Sort

Group

Count

Represent

1

Collect & Sort

Gather ring pulls, bottle tops and bread tags. Sort them into one kind before counting.

2

Group in Tens

Bundle ten ones into a ten, and ten tens into a hundred. Keep the leftovers as loose ones.

3

Show It Many Ways

Show the same amount as grouped materials, expanded form and a numeral in words and digits.

MODEL DIFFERENT REPRESENTATIONS

Group the materials into hundreds, tens and ones, then show that number three different ways.

GROUPED MATERIALS



2 hundreds · 3 tens · 4 ones

EXPANDED FORM

$$200 + 30 + 4$$

NUMERAL & WORDS

234 — two hundred and thirty-four

TEACHER MODELLING ROUTINE

I do → We do → You do

WATCH FOR

Forgetting to regroup: ten ones make a ten, and ten tens make a hundred, when counting large piles.

REMEMBER

One number can be shown many ways: grouped materials, expanded form and a numeral.

MATERIALS

Ring pulls, bottle tops, bread tags, sorting cups, place-value trays.