

Sharing & Grouping

AC9M1N06 – E1 use mathematical modelling to solve practical problems involving equal sharing and grouping; represent the situations with diagrams, physical and virtual materials, and use calculation strategies to solve the problem

Learning Intention: model equal sharing and grouping problems using diagrams and materials.

✓ Share one at a time ✓ Make equal groups ✓ Count each group ✓ Check it's fair

1. Equal Sharing

Give one to each

Keep going around
Everyone gets the same

2. Making Groups

Groups of 2, 5 or 10

Count the groups
How many altogether?

3. Show It

Draw circles for groups

Use counters inside
Any left over?

Watch For

Groups that are not equal
Forgetting leftovers
Counting a counter twice

Remember

Equal groups have the same amount.
Sharing hands out one at a time.
Grouping bundles the same size.

Let's Talk

- Is this share fair? How do you know?
- How many are in each group?
- What if there is one left over?

Materials & Models

- ✓ Counters & cubes
- ✓ Paper plates
- ✓ Grouping mats
- ✓ Drawing paper

Let's Try Together Model each problem — use materials, draw, then write the number.

1. Equal Groups

How many wheels for 3 cars?

Draw 3 cars. Put 4 wheels on each, then count.

$$4 + 4 + 4 = \underline{\quad}$$

2. Equal Sharing

Share the dominoes between 2 players.

Deal one at a time. Check both have the same.

Each player gets

3. Sharing Money

Share the coins between 4 people.

Sort by type. Give each the same amount.

Each person gets