

Grouping Objects into Equal Sets

Chapter 8: Grouping and Sharing · Topic 1

Key Concept

If we have 15 pencils and want to group them into sets of 5, we would get 3 equal sets (since $5+5+5=15$).

Grouping into equal sets connects closely to both multiplication (3 sets of 5 is $3 \times 5 = 15$) and division (15 shared into sets of 5 gives 3 sets).

To check if objects can be grouped into equal sets exactly, we try dividing the total by the group size and see if there is anything left over.

Practising equal grouping helps us prepare for both multiplication and division, and is useful for organising items neatly, like packing items into boxes of equal size.

Quick Revision Notes

- Equal sets have the same number of items in each group.
- 15 pencils grouped into sets of 5 makes 3 equal sets.
- Equal grouping connects to multiplication and division.
- 3 sets of 5 is the same as $3 \times 5 = 15$.
- We check for exact grouping by dividing and checking leftovers.
- Equal grouping prepares us for multiplication and division.
- This skill helps organise items, like packing boxes.
- Grouping and counting go hand in hand.

Practice Questions

- 1 Group 12 objects into sets of 3 and count the sets.
- 2 Group 20 objects into sets of 4.
- 3 Try grouping 17 objects into sets of 5 and see what's left over.
- 4 Draw equal sets of objects and count them.
- 5 Find something at home that comes in equal sets or packs.
- 6 Solve: How many sets of 6 make 24?