Grouping and Sharing

CAPS: Grade 4, Term 4

Numbers, Operations, Relationships

Solve problems involving whole numbers, including: grouping and equal sharing with remainders.

Note

Grouping and sharing are 2 different ways to show the operation of division.
Grouping- how many groups of a given number can you make from a big number?
Example: 12 ÷ 4 = 3. If there are 12 children, and we put them into groups of 4, there will be 3 groups.

Sharing is sharing a number or objects equally.
If you are sharing or grouping and the number cannot be shared or grouped equally, then the left over is called a remainder (sometimes written as: ***rem*** or ***r***).

Activity 1

Solve the following word calculations.

Example

There are 7 soccer balls. Put them in to groups of 2. How many groups?

Number altogether → 7 ÷ 2 = 3 rem 1 ← Number of groups

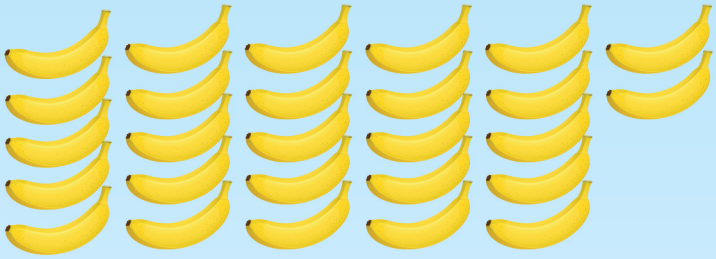
Number in a group

Operation: 7 ÷ 2 = 3 rem 1

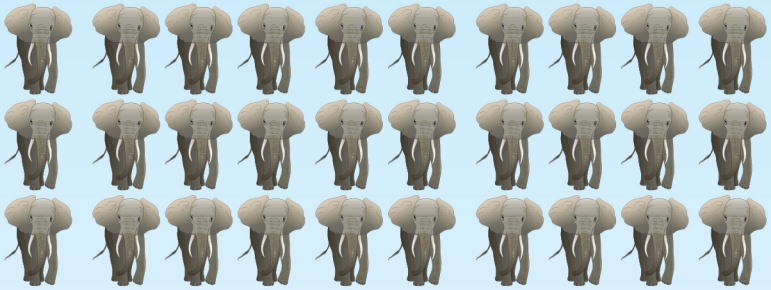
Answer sentence: There are 3 groups of 2 and 1 remainder.
3 rem 1

(a) There are 24 children. Put them into groups of 5. How many groups?

(b) There are 27 bananas. Put them into groups of 4. How many groups are there?



(c) There are 30 elephants in the park. Put them into groups of 7. How many groups are there?



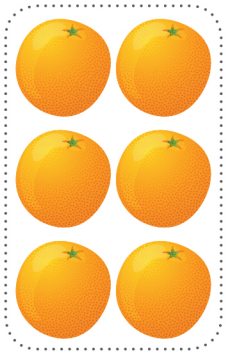
(d) There are 19 cupcakes on a tray. Put them into groups of 6. How many groups are there?

Activity 2

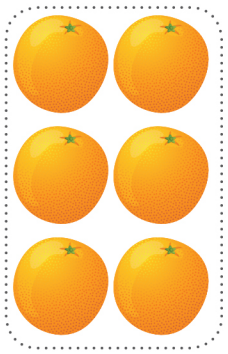
Solve the following word operations.

Example

There are 13 oranges in a basket. Share the oranges between 2 children. How many whole oranges will each child get?



Child 1

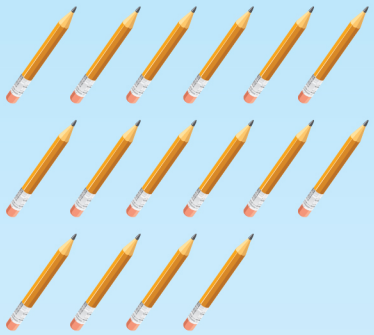


Child 2

Calculation: 12 ÷ 2 = 6 rem 1

Word Answer: Each child got 6 oranges and 1 remainder.
6 rem 1.

(a) Share 16 pencils between 3 boys.



Boy 1 | Boy 2 | Boy 3

Calculation: _____

Word answer: _____

(b) Share 21 cupcakes between 6 children.
How many whole cupcakes will each child get?

Child 1 | Child 2 | Child 3

Child 4 | Child 5 | Child 6

Calculation: _____

Word answer: _____

Teacher Tip

Demonstrate grouping and sharing by actually doing practical activity in class with the learners involved so that they can have a clear understanding of how division and multiplication work.