LESSON MAKER PRO

# Group Goal

*Use multiplication and division to solve story problems.*

**GRADE 3 · MA.3.AR.1.2**

**MA.3.AR.1.2** "Solve one- and two-step real-world problems involving any of four operations with whole numbers."

NAME _____ DATE _____

## CHOOSE THE OPERATION

Use multiplication to find the total in equal groups. Use division to split a total into equal shares or equal groups. In a two-step problem, solve the first part, then use that answer for the next part.

## WORKED EXAMPLE

A teacher puts 4 markers in each of 7 cups. How many markers are there?

1. There are 7 groups of 4 markers.
2. Multiply: 7 × 4 = 28.
3. There are 28 markers.

**Answer: 28 markers**

## PRACTICE 6 problems

**1** There are 6 trays with 5 juice boxes on each tray. How many juice boxes are there?

**ANSWER** _____

**2** A class shares 54 crayons equally among 9 tables. How many crayons does each table get?

**ANSWER** _____

**3** A store has 8 packs with 5 balloons in each pack. How many balloons are there?

**ANSWER** _____

**4** A coach puts 36 players into 6 equal teams. How many players are on each team?

**ANSWER** _____

**5** A baker arranges 40 muffins equally on 5 plates. How many muffins are on each plate?

**ANSWER** _____

**6** There are 9 rows of 6 flags. How many flags are there?

**ANSWER** _____

## APPLY IT Show your work

**1** At game club, 6 tables have 5 players at each table. Then 3 more players arrive. How many players are at game club now?

WORK SPACE

**ANSWER** _____

**2** A library puts 45 new books equally on 5 shelves. Then it adds 2 more books to each shelf. How many books are on each shelf now?

WORK SPACE

**ANSWER** _____

## CHALLENGE One step up

The art club has 72 paintbrushes. It puts them equally into 9 boxes, then sends 5 boxes to a workshop. How many paintbrushes are sent to the workshop?

WORK SPACE AND ANSWER

**ANSWER KEY**

# Group Goal

**GRADE 3 · MA.3.AR.1.2**

## PART 1 · PRACTICE

| # | PROBLEM | ANSWER |
|---|---|---|
| 1 | There are 6 trays with 5 juice boxes on each tray. How many juice boxes are there? | **30 juice boxes** |
| 2 | A class shares 54 crayons equally among 9 tables. How many crayons does each table get? | **6 crayons** |
| 3 | A store has 8 packs with 5 balloons in each pack. How many balloons are there? | **40 balloons** |
| 4 | A coach puts 36 players into 6 equal teams. How many players are on each team? | **6 players** |
| 5 | A baker arranges 40 muffins equally on 5 plates. How many muffins are on each plate? | **8 muffins** |
| 6 | There are 9 rows of 6 flags. How many flags are there? | **54 flags** |

## PART 2 · APPLY IT

1. **33 players** Multiply 6 × 5 to find 30 players at the tables. Add 3 more players to get 33 players.
2. **11 books** Divide 45 by 5 to find 9 books on each shelf. Add 2 books to get 11 books on each shelf.

## CHALLENGE

**40 paintbrushes**

Accept correct equations and answers with appropriate labels. For two-step problems, accept any clear work that shows the correct order of operations.