

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: $7 \times 4 = 28$.
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

CHALLENGE

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?

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.