LESSON MAKER PRO

Equal Groups Quest

Use equal groups to multiply and divide.

GRADE 3 · MA.3.AR.1

MA.3.AR.1 "Solve multiplication and division problems."

NAME _____ DATE _____

CHOOSE AN OPERATION

Use multiplication when you know the number of equal groups and the number in each group. Use division when you know the total and need to make equal groups. You can use a related multiplication fact to check a division answer.

WORKED EXAMPLE

28 stickers are shared equally among 4 friends. How many stickers does each friend get?

1. Write 28 ÷ 4.
2. Think: 4 × 7 = 28.
3. Each friend gets 7 stickers.

Answer: 7 stickers

PRACTICE 6 problems

1 8 × 3 = ___

ANSWER _____

2 45 ÷ 5 = ___

ANSWER _____

3 9 × 2 = ___

ANSWER _____

4 30 ÷ 3 = ___

ANSWER _____

5 5 × 5 = ___

ANSWER _____

6 36 ÷ 6 = ___

ANSWER _____

APPLY IT Show your work

1 Jordan puts 3 game cards into each of 9 prize bags. How many game cards does Jordan use?

WORK SPACE

ANSWER _____

2 A class has 48 glow stars for a space display. They share them equally among 6 groups. How many stars does each group get?

WORK SPACE

ANSWER _____

CHALLENGE One step up

At an arcade tournament, 5 teams each have 9 players. Before the last round, 15 players leave. How many players are still at the tournament?

WORK SPACE AND ANSWER

ANSWER KEY

Equal Groups Quest

GRADE 3 · MA.3.AR.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	8 × 3 = ___	**24**
2	45 ÷ 5 = ___	**9**
3	9 × 2 = ___	**18**
4	30 ÷ 3 = ___	**10**
5	5 × 5 = ___	**25**
6	36 ÷ 6 = ___	**6**

PART 2 · APPLY IT

1. **27 game cards** Multiply the cards in each bag by the number of bags: 3 × 9 = 27.
2. **8 stars** Divide the total number of stars by the number of groups: 48 ÷ 6 = 8.

CHALLENGE

30 players

Accept correct equations and answers with or without units when the unit is clear. For the challenge, students may show 5 × 9 = 45, then 45 - 15 = 30.