LESSON MAKER PRO

Number Power Quest

Multiply and divide to solve number problems.

GRADE 5 · 5.NR.2

5.NR.2 "Multiply and divide multi-digit whole numbers to solve relevant, mathematical problems."

NAME _____ DATE _____

BREAK IT APART

For multiplication, break apart one number by place value, multiply each part, and add the products. For division, use place value or long division, then check by multiplying the quotient by the divisor.

WORKED EXAMPLE

427 x 3

1. 400 x 3 = 1,200
2. 20 x 3 = 60
3. 7 x 3 = 21
4. 1,200 + 60 + 21 = 1,281

Answer: 1,281

PRACTICE 6 problems

1 48 x 9 = ___

ANSWER _____

2 864 / 4 = ___

ANSWER _____

3 735 / 5 = ___

ANSWER _____

4 62 x 8 = ___

ANSWER _____

5 936 / 8 = ___

ANSWER _____

6 27 x 34 = ___

ANSWER _____

APPLY IT Show your work

1 A game club puts 28 trading cards in each of 15 prize packs. How many trading cards are in all the prize packs?

WORK SPACE

ANSWER _____

2 A craft club has 1,152 beads. The club shares the beads equally among 9 tables. How many beads does each table get?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A school orders 36 boxes of 24 pencils. The pencils are shared equally among 8 classrooms. How many pencils does each classroom get?

WORK SPACE AND ANSWER

ANSWER KEY

Number Power Quest

GRADE 5 · 5.NR.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	48 x 9 = ___	**432**
2	864 / 4 = ___	**216**
3	735 / 5 = ___	**147**
4	62 x 8 = ___	**496**
5	936 / 8 = ___	**117**
6	27 x 34 = ___	**918**

PART 2 · APPLY IT

1. **420 trading cards** Multiply 28 by 15. There are 420 trading cards in all.
2. **128 beads** Divide 1,152 by 9. Each table gets 128 beads.

CHALLENGE

108 pencils per classroom

Accept answers with or without commas. For word problems and the challenge, accept the correct number with an appropriate unit.