LESSON MAKER PRO

Number Power Moves

Use place value and operation strategies with multi-digit numbers.

GRADE 5 · MA.5.NSO.2

MA.5.NSO.2 "Add, subtract, multiply and divide multi-digit numbers."

NAME _____ DATE _____

CHOOSE A SMART METHOD

Line up digits by place value when you add or subtract. For multiplication, use partial products. For division, divide carefully and check by multiplying the quotient by the divisor.

WORKED EXAMPLE

3,624 × 15

1. Multiply by ones: 3,624 × 5 = 18,120.
2. Multiply by tens: 3,624 × 10 = 36,240.
3. Add the partial products: 18,120 + 36,240 = 54,360.

Answer: 54,360

PRACTICE 6 problems

1 4,786 + 2,957 = ___

ANSWER _____

2 9,203 - 4,768 = ___

ANSWER _____

3 346 × 27 = ___

ANSWER _____

4 5,184 ÷ 24 = ___

ANSWER _____

5 68,495 + 7,806 = ___

ANSWER _____

6 12,000 - 3,457 = ___

ANSWER _____

APPLY IT Show your work

1 The school gaming club collected 2,475 bottle caps in September and 3,186 bottle caps in October. The club packed all the bottle caps equally into 9 bins. How many bottle caps were in each bin?

WORK SPACE

ANSWER _____

2 A book fair received 36 boxes of stickers with 128 stickers in each box. Students chose 1,575 stickers. How many stickers were left?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A robotics team has 7,488 beads. They pack the beads equally into 24 kits. Then each kit puts its beads into 3 equal bags. How many beads are in each bag?

WORK SPACE AND ANSWER

ANSWER KEY # Number Power Moves

GRADE 5 · MA.5.NSO.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	4,786 + 2,957 = ___	**7,743**
2	9,203 - 4,768 = ___	**4,435**
3	346 × 27 = ___	**9,342**
4	5,184 ÷ 24 = ___	**216**
5	68,495 + 7,806 = ___	**76,301**
6	12,000 - 3,457 = ___	**8,543**

PART 2 · APPLY IT

1. **629 bottle caps** Add 2,475 and 3,186 to get 5,661. Divide 5,661 by 9 to get 629.
2. **3,033 stickers** Multiply 36 by 128 to get 4,608 stickers. Subtract 1,575 from 4,608 to get 3,033.

CHALLENGE

104 beads

Accept standard algorithms, partial products, area models, or other accurate written methods. For division, accept an answer only when the quotient is correct and has no remainder unless a remainder is shown accurately.