LESSON MAKER PRO

Decimal Place Power

Add and subtract by lining up place values.

GRADE 4 · MA.4.NSO.2

MA.4.NSO.2 "Build an understanding of operations with multi-digit numbers including decimals."

NAME _____ DATE _____

LINE UP THE PLACES

Write numbers so the decimal points are directly above each other. Add or subtract each place value from right to left, regrouping when needed.

WORKED EXAMPLE

47.38 + 16.45

1. Line up the decimal points.
2. Add hundredths: 8 + 5 = 13. Write 3 and regroup 1 tenth.
3. Add tenths: 3 + 4 + 1 = 8.
4. Add the whole numbers: 47 + 16 = 63.

Answer: 63.83

PRACTICE 6 problems

1 3,684 + 2,957

ANSWER _____

2 8,002 - 3,478

ANSWER _____

3 24.67 + 18.35

ANSWER _____

4 70.00 - 26.48

ANSWER _____

5 145.09 + 6.80

ANSWER _____

6 300.00 - 127.65

ANSWER _____

APPLY IT Show your work

1 Kai has $45.00 at a game store. He buys a game sleeve for $18.67 and a key chain for $9.85. How much money does Kai have left?

WORK SPACE

ANSWER _____

2 Nora biked 4.68 miles on Saturday and 7.35 miles on Sunday. How many miles did she bike altogether?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A craft project needs 125.00 cm of ribbon. Lee has three pieces that measure 38.75 cm, 42.60 cm, and 19.85 cm. How many more centimeters of ribbon does Lee need?

WORK SPACE AND ANSWER

ANSWER KEY

Decimal Place Power

GRADE 4 · MA.4.NSO.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	3,684 + 2,957	**6,641**
2	8,002 - 3,478	**4,524**
3	24.67 + 18.35	**43.02**
4	70.00 - 26.48	**43.52**
5	145.09 + 6.80	**151.89**
6	300.00 - 127.65	**172.35**

PART 2 · APPLY IT

1. **$16.48** Add the two costs: $18.67 + $9.85 = $28.52. Subtract $28.52 from $45.00.
2. **12.03 miles** Line up the decimal points and add 4.68 + 7.35.

CHALLENGE

23.80 cm

Accept answers with or without trailing zeros when the value is the same, such as 23.8 cm for 23.80 cm. Check that students line up decimal points and regroup correctly.