LESSON MAKER PRO

Decimal Place Power

Add and subtract through the thousandths place.

GRADE 5 · MA.5.NSO.2.3

MA.5.NSO.2.3 "Add and subtract multi-digit numbers with decimals to the thousandths, including using a standard algorithm with procedural fluency."

NAME _____ DATE _____

LINE UP THE PLACES

Write numbers so the decimal points are lined up. Add zeros when a number has fewer decimal places, then add or subtract from right to left and regroup when needed.

WORKED EXAMPLE

42.607 + 8.395

1. Line up the decimal points: 42.607 + 08.395.
2. Add the thousandths: 7 + 5 = 12. Write 2 and regroup 1.
3. Add the remaining place values from right to left: 42.607 + 8.395 = 51.002.

Answer: 51.002

PRACTICE 6 problems

1 7.458 + 12.307

ANSWER _____

2 36.9 + 4.086

ANSWER _____

3 125.673 + 28.49

ANSWER _____

4 63.204 - 18.759

ANSWER _____

5 90 - 27.638

ANSWER _____

6 300.005 - 146.78

ANSWER _____

APPLY IT Show your work

1 A tablet has 18.640 GB of free storage. A game update uses 6.785 GB. How much free storage is left?

WORK SPACE

ANSWER _____

2 On a nature walk, Jalen walked 4.609 kilometers before lunch and 12.875 kilometers after lunch. How far did he walk altogether?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A science club has 50.000 grams of mineral samples. The club uses 12.675 grams for one test and 8.946 grams for another test. How many grams are left?

WORK SPACE AND ANSWER

ANSWER KEY

Decimal Place Power

GRADE 5 · MA.5.NSO.2.3

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	7.458 + 12.307	**19.765**
2	36.9 + 4.086	**40.986**
3	125.673 + 28.49	**154.163**
4	63.204 - 18.759	**44.445**
5	90 - 27.638	**62.362**
6	300.005 - 146.78	**153.225**

PART 2 · APPLY IT

1. **11.855 GB** Subtract the storage used from the free storage: 18.640 - 6.785 = 11.855.
2. **17.484 kilometers** Add the two distances: 4.609 + 12.875 = 17.484.

CHALLENGE

28.379 grams

Accept equivalent decimal forms with extra ending zeros. Check that students line up decimal points and regroup correctly across place values.