

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

CHALLENGE

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?

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.