LESSON MAKER PRO

Decimal Column Quest

Line up decimals, regroup carefully, and solve.

GRADE 4 · TEKS 4.4.A

4.4.A "add and subtract whole numbers and decimals to the hundredths place using the standard algorithm;"

NAME _____ DATE _____

KEEP PLACE VALUES TOGETHER

Line up decimal points in vertical columns before you add or subtract. Work from right to left, regroup when needed, and bring the decimal point straight down. Write zeros in empty places so each number has the same number of decimal places.

WORKED EXAMPLE

46.78 + 13.25

1. Line up the decimal points.
2. Add hundredths: 8 + 5 = 13. Write 3 and carry 1.
3. Add tenths and ones: 7 + 2 + 1 = 10, then 6 + 3 + 1 = 10.
4. Add tens: 4 + 1 + 1 = 6. Bring down the decimal point.

Answer: 60.03

PRACTICE 6 problems

1 27.46 + 8.39

ANSWER _____

2 91.20 - 47.68

ANSWER _____

3 6.75 + 14.06

ANSWER _____

4 50.00 - 18.67

ANSWER _____

5 203.19 + 76.81

ANSWER _____

6 100.00 - 29.54

ANSWER _____

APPLY IT Show your work

1 At the school book fair, Nia buys a comic for $7.85 and a puzzle book for $14.60. How much does she spend altogether?

WORK SPACE

ANSWER _____

2 Eli wants a board game that costs $35.00. He has saved $12.76 and earns $8.49 walking a neighbor's dog. How much more money does he need?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Compute 275.90 - 86.47 + 19.68. Use the standard algorithm for each step.

WORK SPACE AND ANSWER

ANSWER KEY

Decimal Column Quest

GRADE 4 · TEKS 4.4.A

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	27.46 + 8.39	**35.85**
2	91.20 - 47.68	**43.52**
3	6.75 + 14.06	**20.81**
4	50.00 - 18.67	**31.33**
5	203.19 + 76.81	**280.00**
6	100.00 - 29.54	**70.46**

PART 2 · APPLY IT

1. **$22.45** Add the two prices: 7.85 + 14.60 = 22.45.
2. **$13.75** First add Eli's money: 12.76 + 8.49 = 21.25. Then subtract: 35.00 - 21.25 = 13.75.

CHALLENGE

209.11

Accept equivalent decimal forms with trailing zeros, such as 280 for 280.00. Check that students line up decimal points and regroup correctly.