LESSON MAKER PRO

Decimal Detective

Add and subtract decimals through the hundredths place.

GRADE 5 · 5.NR.4.4

5.NR.4.4 "Solve problems involving addition and subtraction of decimal numbers to the hundredths place using a variety of strategies."

NAME _____ DATE _____

LINE UP THE DOTS

Write decimal numbers so the decimal points are in the same column. Add or subtract from right to left, regrouping when needed. You can break numbers into whole-number and decimal parts to check your work.

WORKED EXAMPLE

18.47 + 6.35

1. Line up the decimal points.
2. Add the decimal parts: 0.47 + 0.35 = 0.82.
3. Add the whole-number parts: 18 + 6 = 24.
4. Combine the parts: 24 + 0.82 = 24.82.

Answer: 24.82

PRACTICE 6 problems

1 7.36 + 4.58 = ___

ANSWER _____

2 15.00 - 6.47 = ___

ANSWER _____

3 9.85 + 12.09 = ___

ANSWER _____

4 20.63 - 8.75 = ___

ANSWER _____

5 3.70 + 5.26 = ___

ANSWER _____

6 14.32 - 9.68 = ___

ANSWER _____

APPLY IT Show your work

1 Jordan has $31.80 saved for a new game. Jordan earns $7.45 by walking dogs and then spends $12.60 on a game add-on. How much money does Jordan have left?

WORK SPACE

ANSWER _____

2 Avery has $18.25 from selling bracelets. Avery earns $6.80 more at lunch and uses $9.45 to buy beads. How much money is left?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Find 62.00 - 18.76 + 9.85. Show the order you used to solve it.

WORK SPACE AND ANSWER

ANSWER KEY

Decimal Detective

GRADE 5 · 5.NR.4.4

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	7.36 + 4.58 = ___	**11.94**
2	15.00 - 6.47 = ___	**8.53**
3	9.85 + 12.09 = ___	**21.94**
4	20.63 - 8.75 = ___	**11.88**
5	3.70 + 5.26 = ___	**8.96**
6	14.32 - 9.68 = ___	**4.64**

PART 2 · APPLY IT

1. **$26.65** Add $31.80 and $7.45 to get $39.25. Subtract $12.60 to get $26.65.
2. **$15.60** Add $18.25 and $6.80 to get $25.05. Subtract $9.45 to get $15.60.

CHALLENGE

53.09

Accept equivalent decimal forms, such as 18 for 18.00, when the value is correct. Students may use vertical algorithms, place-value decomposition, or compensation strategies.