

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 $7.36 + 4.58 = \underline{\hspace{2cm}}$

ANSWER _____

2 $15.00 - 6.47 = \underline{\hspace{2cm}}$

ANSWER _____

3 $9.85 + 12.09 = \underline{\hspace{2cm}}$

ANSWER _____

4 $20.63 - 8.75 = \underline{\hspace{2cm}}$

ANSWER _____

5 $3.70 + 5.26 = \underline{\hspace{2cm}}$

ANSWER _____

6 $14.32 - 9.68 = \underline{\hspace{2cm}}$

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

CHALLENGE

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

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	$7.36 + 4.58 = \underline{\hspace{1cm}}$	11.94
2	$15.00 - 6.47 = \underline{\hspace{1cm}}$	8.53
3	$9.85 + 12.09 = \underline{\hspace{1cm}}$	21.94
4	$20.63 - 8.75 = \underline{\hspace{1cm}}$	11.88
5	$3.70 + 5.26 = \underline{\hspace{1cm}}$	8.96
6	$14.32 - 9.68 = \underline{\hspace{1cm}}$	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.