LESSON MAKER PRO

Decimal Decisions

Add, subtract, estimate, and choose a smart strategy.

GRADE 5 · 5.NOS.B.6

5.NOS.B.6 "Apply and extend previous understanding of addition and subtraction of whole numbers to add and subtract decimals to hundredths. Apply estimation strategies to estimate sums and differences of decimals. Use concrete models, drawings..."

NAME _____ DATE _____

LINE UP THE PLACES

Line up decimal points so digits with the same place value are in the same column. Add or subtract from right to left, regrouping when needed. Round the numbers to check whether your answer makes sense.

WORKED EXAMPLE

Find 4.36 + 2.78.

1. Line up the decimal points: 4.36 + 2.78.
2. Hundredths: 6 + 8 = 14. Write 4 and carry 1.
3. Tenths: 3 + 7 + 1 = 11. Write 1 and carry 1.
4. Ones: 4 + 2 + 1 = 7. Keep the decimal point in line.

Answer: 7.14

PRACTICE 6 problems

1 Find 6.45 + 1.23.

ANSWER _____

2 Find 8.70 - 3.46.

ANSWER _____

3 Find 0.58 + 2.7.

ANSWER _____

4 Find 9 - 4.75.

ANSWER _____

5 Estimate 5.83 + 2.16 by rounding each number to the nearest whole number.

ANSWER _____

6 Find 7.25 - 2.90. Then add your answer to 2.90 to check it.

ANSWER _____

APPLY IT Show your work

1 At a school fair, a sticker sheet costs $2.85 and a keychain costs $4.65. What is the total cost?

WORK SPACE

ANSWER _____

2 Your game timer shows 12.40 seconds for one lap and 11.68 seconds for a faster lap. How many seconds faster was the second lap?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A class has 7.85 meters of ribbon and gets 2.15 meters more. They use 4.38 meters. How much ribbon is left? Explain which step you would do first and why.

WORK SPACE AND ANSWER

ANSWER KEY

Decimal Decisions

GRADE 5 · 5.NOS.B.6

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Find 6.45 + 1.23.	**7.68**
2	Find 8.70 - 3.46.	**5.24**
3	Find 0.58 + 2.7.	**3.28**
4	Find 9 - 4.75.	**4.25**
5	Estimate 5.83 + 2.16 by rounding each number to the nearest whole number.	**About 8**
6	Find 7.25 - 2.90. Then add your answer to 2.90 to check it.	**4.35; check: 4.35 + 2.90 = 7.25**

PART 2 · APPLY IT

1. **$7.50** Add the prices: $2.85 + $4.65 = $7.50.
2. **0.72 seconds** Subtract the faster time from the slower time: 12.40 - 11.68 = 0.72 seconds.

CHALLENGE

5.62 meters. Add first because 7.85 + 2.15 = 10.00, which makes 10.00 - 4.38 = 5.62 easier to calculate.

Accept equivalent decimal forms, such as 8.00 for 8. For the challenge, accept another correct order of operations with a clear explanation.