Add and Subtract Decimals — Homework

Lesson 2-11 • Standard 6.NOS.3

Name: _____ **Period:** _____ **Date:** _____

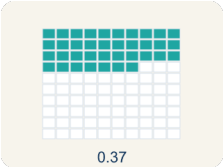
Today's Goals

Content: I can add and subtract decimals by lining up the place values and the decimal points.
Language: I can explain my steps using the words decimal, place value, tenths, hundredths, and add zeros.

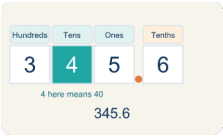
Key Words



Add and Subtract Decimals (Sumar y restar decimales) — Combine or find the difference between decimals by lining up equal place values.



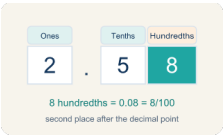
Decimal (Decimal) — A number with a dot, like 0.5, that shows a part less than one.



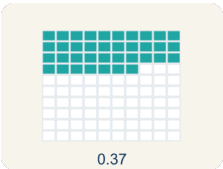
Place value (Valor posicional) — What a digit is worth based on where it sits in a number.



Tenths (Décimas) — The first spot after the decimal point. It shows parts out of 10.



Hundredths (Centésimas) — The second spot after the decimal point. It shows parts out of 100.



Annex zeros (Agregar ceros) — Adding zeros at the end of a decimal so numbers line up evenly.

Practice

Show your work. Use the blank space under each problem.

1. What is 14.6 + 3.85?

A. 17.45
B. 18.35
C. 18.45
D. 18.55

2. What is 20.3 − 7.48?

A. 12.18
B. 12.82
C. 12.92
D. 13.82

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3. Compute each decimal sum or difference.

Problem	Answer
5.63 + 2.7	
12.4 − 8.56	
9.08 + 4.925	
25.1 − 13.47	
7.006 + 3.94	

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4. Round each number to the nearest whole number to estimate the sum or difference. If the estimate equals 10, calculate the exact result before sorting. Sort by whether the actual result is greater than or less than 10.

Groups: Result Greater Than 10 | Result Less Than 10

- 7.8 + 3.45 → _____
- 6.25 + 5.9 → _____
- 15.3 − 4.7 → _____
- 8.4 − 2.15 → _____
- 5.6 + 3.82 → _____
- 12.1 − 4.95 → _____

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5. A student buys items costing $4.59, $12.75, and $3.80. What is the total cost?

A. $20.14
B. $21.04
C. $21.14
D. $21.24

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6. Match each expression to its answer.

Item	Answer choices
____ 8.5 + 3.75	F. 6.5
____ 15.2 − 6.8	E. 10
____ 4.06 + 7.94	D. 6.55
____ 20 − 13.45	C. 12
____ 9.99 + 0.01	B. 8.4
____ 11.3 − 4.8	A. 12.25

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7. Spot the Mistake — Subtracting Without a Placeholder

Step 1 (Problem): Subtract 12.5 − 3.45
Step 2 (Set up): Left 12.5 as one decimal place instead of annexing a zero
Step 3 (Subtract): 12.5 − 3.45 = 9.5
Step 4 (Final answer): 9.5

Which step has the mistake? Explain and fix it:

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8. Case File: A crew member's snack receipt shows $27.60 for dried fruit and $15.45 for protein bars. What is the total on the receipt?

A. $42.05
B. $42.95
C. $43.05
D. $43.15

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9. Case File: The oxygen gauge dropped from 9.6 units to a new reading after the crew used 4.75 units. How much oxygen is left?

A. 4.85
B. 4.95
C. 5.15
D. 5.85

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10. Case File: A supply log started the shift with $48.00 in the station snack fund. By the end, $31.27 had been spent. How much is left in the fund?

A. $16.73
B. $16.83
C. $17.27
D. $17.73
