

Decimals, Decimals, and More Decimals!

Helpful Hint: When working with decimals, always relate the problem to money!! Most of us understand money pretty well, so that may make the problem easier!

Decimals Place Value Table									
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Note: When reading decimals, say "and" in place of the decimal.

Write the following numbers:

- 1) six and eight tenths _____ 2) forty-two and sixty-one thousandths _____
 3) seventy and twelve hundredths _____ 4) five ten-thousandths _____

Adding and Subtracting Decimals

Steps:

- 1) Always _____ up the _____!!!!
- 2) Fill in _____ as placeholders at the end, especially if subtracting.
- 3) _____ or _____.
- 4) _____ the _____ down.
- 5) _____ your work! Check whether your answer is reasonable by estimating.

Try These!

- 1) $16.75 + 5.091$ 2) $312.55 - 16.2$ 3) $29.1 - 0.68$



- 4) Savannah spent \$11.50 at the movies, and Quianna spent \$12.75. If they paid together, using a \$50 bill, how much change did they receive?

Multiplying Decimals

Steps:

- 1) _____. (You do NOT need to line up the decimals!!)
- 2) Count the number of places behind the _____ in your problem. Your product must have the same number of places behind the _____.

Try These!

- 5) 8.41×0.5 6) 2.13×3.5 7) 0.7×0.8

- 8) Hunter is building a ramp for his Tech Decks. The base will be a piece of wood that is 2.75 feet long and 2 feet wide. What is the area of the base?
 (Remember: Area = $l \times w$)

Dividing Decimals

Steps:

- 1) Make the divisor a _____ by moving the _____ all the way to the right.
- 2) Move the _____ in the dividend (under the "house") the same number of places. Add _____ if necessary.
- 3) Bring the _____ straight up.
- 4) _____.

Copy the examples from the board:

Try These!

- 9) $2.32 \div 8$ 10) $0.045 \div 0.09$ 11) $16.75 \div 2.5$



- 12) John has \$416.13 that he is going to give to his 3 friends EJ, Jennifer, and Audra. If he is giving each of these lovely ladies the same amount, how much will each person get?