

Prerequisite skills

Decimals Part II



Sep 14-7:10 AM

Objectives:

- Adding, subtracting, multiplying and dividing with decimals



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Adding and subtracting with decimals

1. line up the decimal point
2. add filler zeroes
3. add or subtract as you normally would with whole numbers
4. bring the decimal point into the sum or difference



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Example 1

$$8.16 + 9.95$$



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Example 2

$$0.345 + 0.8$$



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Example 3


$$7.45 + 45$$



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Example 4


56.98 - 45.97



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Example 5

9.01 - 6.89



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Multiplying decimals




1. Count the amount of decimals places in each factor.

2. multiply as you would with whole numbers

3. add the amount of decimal places that were in each factor and put that many places in your product

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67 ← factor

x 7 ← factor

469 ← product

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Where is the decimal going in the product?

67.9


x 5

3395

2.45

x .9

2205



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Let's try a few

3.47

x 5

36

x 0.04



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Complete 4.1 odd numbers only

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Complete 4.3 numbers 1-18

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divisor $\overline{)$ dividend

quotient



dividend \div divisor = dividend

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Dividing decimals

To divide decimal numbers:

1. If the divisor is not a whole number, move decimal point to right to make it a whole number and move decimal point in dividend the same number of places.
2. Divide as usual. Keep dividing until the answer terminates or repeats.
3. Put decimal point directly above decimal point in the dividend.
4. Check your answer. Multiply quotient by divisor. Does it equal the dividend?



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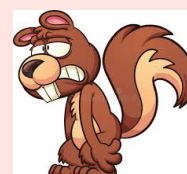
$14.72 \div 32$



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Round the quotient to the nearest tenth.


$52.4 \div 6$



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Round each quotient to the nearest hundredth.

$65.24 \div 9$




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$17.1 \div 3.8$



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$0.41992 \div 0.058$



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BE CAREFUL!!!!

$70.04 \div 34$



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