

Brief Constructed Response

Lucy had this division problem on her weekly Check-up in math.

$$30.78 \div 6$$

Part A Find the quotient.

Part B

Use what you know about division of decimals to explain why your answer is correct. Use words and/or numbers in your explanation.

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$$30.78 \div 6$$

Part A Find the quotient.

$$\begin{array}{r} 5.13 \\ 6 \overline{) 30.78} \\ \underline{-30} \\ 07 \\ \underline{-6} \\ 18 \\ \underline{-18} \\ 0 \end{array}$$

$$\begin{array}{r} 5.13 \\ \times 6 \\ \hline 30.78 \end{array} \checkmark$$

Part B

Use what you know about division of decimals to explain why your answer is correct. Use words and/or numbers in your explanation.

I ~~div~~ 30 by 6 and got 5 . Then, I divided 7 by 6 and got 1 remainder 1 . Then, I divided 18 by 6 and got 3 . I knew my decimal went between the ones and tenths, I used the inverse by multiplying the answer 5.13 by the divisor 6 . I got the dividend 30.78 .