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Algebra / Finding the total cost including tax or markup

A TV has a listed price of \$571.95 before tax. If the sales tax rate is 8.5%, find the total cost of the TV with sales tax included.

Round your answer to the nearest cent, as necessary.

$$571.95 \times 0.085 = 48.62$$

$$8.5\% = \frac{8.5}{100} = 0.085$$

$$571.95 + 48.62 = \boxed{620.57}$$

only tax

$$100\% + 8.5\% = 108.5\% \\ = 1.085$$

OR

$$571.95 \times 1.085 = \boxed{620.57}$$

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