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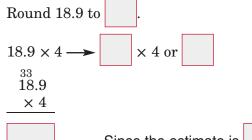
EXAMPLES Multiply Decimals

MAIN IDEA

 Estimate and find the product of decimals and whole numbers.

 \bigcirc Find 18.9 \times 4.

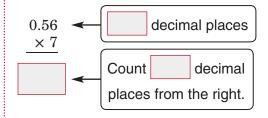
METHOD 1 Use estimation.



Since the estimate is place the decimal point after the

 \blacksquare Find 0.56 imes 7.

METHOD 2 Count decimal places.



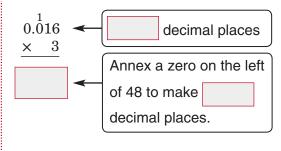
EXAMPLES Annex Zeros in the Product

\blacksquare Find 3 \times 0.016. FOLDABLES

ORGANIZE IT Under Lesson 3-6 of your Foldable, write how to estimate the product of

a whole number and a decimal. Include at least one example in which you must annex a zero in the product.





 $5g = 5 \times$ Replace g with 0.0091 decimal places X

> Annex a zero to make decimals.

Check Your Progress

- **a.** Find 12.6×8 .
 - **b.** Find 0.83×4 .
- **c.** Find 4×0.023 .
- **d.** Evaluate 3x if

$$x = 0.0062.$$





EXAMPLE Multiply by 10, 100, or 1,000

 $lue{b}$ MENTAL MATH Find 3.25 imes 100.

Move the decimal point to the right the same number of zeros that are in 100, or places.

$$3.25 \times 100 = 3.25$$
 or

Check Your Progress

MENTAL MATH Find $2.4 \times 1,000$.

HOMEWORK ASSIGNMENT