

SKILL

**Skills Readiness****46****Divide Decimals****General Operation Reminders****Dividing Decimals**

Step 1: Rewrite the problem using a “division box.”

Step 2: If the divisor is not a whole number, change it to a whole number by moving the decimal point to the right.

Step 3: Move the decimal point in the dividend to the right the same number of places as you moved it in Step 2.

Step 4: Place a decimal point in the quotient directly above the decimal point in the dividend.

Step 5: Divide the numbers just as you would divide whole numbers.

Example 1: Divide  $7.68 \div 0.8$ .

$$0.8 \overline{)7.68} \longrightarrow 8 \overline{)76.8} \longrightarrow \begin{array}{r} 9.6 \\ 8 \overline{)76.8} \\ \underline{-72} \phantom{.} \\ 48 \\ \underline{-48} \\ 0 \end{array} \quad \text{The quotient is 9.6.}$$

**Practice on Your Own****Divide.**

1.  $11.2 \div 7$

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2.  $8.12 \div 4$

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3.  $4.96 \div 2$

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4.  $0.85 \div 5$

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5.  $7.8 \div 0.2$

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6.  $4.32 \div 0.6$

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7.  $18.75 \div 0.5$

\_\_\_\_\_

8.  $0.508 \div 0.4$

\_\_\_\_\_

**Check****Divide.**

9.  $22.5 \div 9$

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10.  $6.64 \div 4$

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11.  $7.47 \div 3$

\_\_\_\_\_

12.  $0.58 \div 2$

\_\_\_\_\_

13.  $16.8 \div 0.8$

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14.  $4.59 \div 0.9$

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15.  $11.2 \div 0.7$

\_\_\_\_\_

16.  $0.528 \div 0.6$

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