

Name: ..... Class: .....

# Division with decimal quotient



Divide whole numbers by decimal divisors. (follow the example)

a.  $250 \div 0.8 = (250 \times 10) \div (0.8 \times 10)$

$$= 2500 \div 8$$

$$\begin{array}{r} 312.5 \\ 8 \overline{) 2500.0} \\ \underline{-24} \phantom{00} \\ 10 \phantom{00} \\ \underline{-8} \phantom{00} \\ 20 \phantom{00} \\ \underline{-16} \phantom{00} \\ 40 \phantom{00} \\ \underline{-40} \phantom{00} \\ 0 \end{array}$$

Answer

312.5

$150 \div 0.8 =$

In each case, tick the correct answer.

b. What will be the answer to the nearest thousandths after dividing 225 by 15.2 ?

☐ 148.03

☐ 1.4803

☐ 14,803

☐ 44.803

☐ 14.803

c. What will be the answer to the nearest tenths after dividing 157 by 0.8 ?

☐ 0.1963

☐ 1,963

☐ 196.25

☐ 1.963

☐ 19.63

d. What will be the answer after dividing 938 by 0.05 ?

☐ 1.876

☐ 18,7600

☐ 18.760

☐ 18,760

☐ 1,876.60

e. What will be the answer to the nearest hundredths after dividing 1,442 by 0.15 ?

☐ 9,613. $\overline{33}$ 
☐ 9,613. $\overline{22}$ 
☐ 9,913. $\overline{22}$ 
☐ 8,613. $\overline{33}$ 
☐ 9,513. $\overline{22}$

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$= 2500 \div 8$

$$\begin{array}{r} 312.5 \\ 8 \overline{) 2500.0} \\ \underline{-24} \phantom{0} \\ 10 \phantom{0} \\ \underline{-8} \phantom{0} \\ 20 \phantom{0} \\ \underline{-16} \phantom{0} \\ 40 \phantom{0} \\ \underline{-40} \\ 0 \end{array}$$

Answer

312.5

$150 \div 0.8 = (150 \times 10) \div (0.8 \times 10)$

$= 1500 \div 8$

$$\begin{array}{r} 187.5 \\ 8 \overline{) 1500.0} \\ \underline{-8} \phantom{0} \\ 70 \phantom{0} \\ \underline{-64} \phantom{0} \\ 60 \phantom{0} \\ \underline{-56} \phantom{0} \\ 40 \phantom{0} \\ \underline{-40} \\ 0 \end{array}$$

Answer

187.5

In each case, tick the correct answer.

a. What will be the answer to the nearest thousandths after dividing 225 by 15.2 ?

☐ 148.03

☐ 1.4803

☐ 14,803

☐ 44.803

☒ 14.803

b. What will be the answer to the nearest tenths after dividing 157 by 0.8 ?

☐ 0.1963

☐ 1,963

☒ 196.25

☐ 1.963

☐ 19.625

c. What will be the answer after dividing 938 by 0.05 ?

☐ 1.876

☐ 18,7600

☐ 18.760

☒ 18,760

☐ 1,876.60

d. What will be the answer to the nearest hundredths after dividing 1,442 by 0.15 ?

☒ 9,613.33

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