

Practice 3-6

Solving Equations by Multiplying or Dividing Decimals

Use mental math to solve each equation.

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|-------------------------|-------------------------------|
| 1. $0.7h = 4.2$ _____ | 2. $\frac{x}{2.5} = -3$ _____ |
| 3. $38.7 = -100k$ _____ | 4. $-45.6e = -4.56$ _____ |

Solve each equation.

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|----------------------------------|--------------------------------------|
| 5. $\frac{p}{2.9} = 0.55$ _____ | 6. $9.1 = \frac{x}{-0.7}$ _____ |
| 7. $-6.4 = \frac{y}{8.5}$ _____ | 8. $\frac{k}{-1.2} = -0.07$ _____ |
| 9. $277.4 = \frac{n}{3.5}$ _____ | 10. $\frac{e}{-0.76} = 2,809$ _____ |
| 11. $\frac{a}{27} = -32.3$ _____ | 12. $\frac{p}{-1.52} = -3,600$ _____ |
| 13. $-9k = 2.34$ _____ | 14. $-12.42 = 0.03p$ _____ |
| 15. $-7.2y = 61.2$ _____ | 16. $-0.1035 = 0.23n$ _____ |
| 17. $1.5m = 3.03$ _____ | 18. $-0.007h = 0.2002$ _____ |
| 19. $8.13t = -100.812$ _____ | 20. $0.546 = 0.42y$ _____ |

Write an equation for each sentence. Solve for the variable.

21. The opposite of seventy-five hundredths times some number n equals twenty-four thousandths. Find the value of n .
- _____
22. A number n divided by -3.88 equals negative two thousand. Find the value of n .
- _____
23. Four hundredths times some number n equals thirty-three and four tenths. Find the value of n .
- _____
24. The product of some number n and -0.26 equals 169.39 . Find the value of n .
- _____