## Show What You Know Answer Key

## One-step equations with multiplication and division

Solve each equation.

1. $8=-\frac{k}{4}$ -32
2. $6=-\frac{p}{-5}$ 30
3. $-4 x=28$ $-7$
4. $-10=\frac{g}{1.9}$
5. $-7 m=63 \quad-9$
6. $30=-\frac{q}{5}$
7. $-8.4=-4 n$
8. $-40=-\frac{k}{-5}$
9. $-2=-\frac{w}{-7}$ $-14$
10. $-\frac{h}{8.1}=-4$ 32.4

## Write an equation to represent each relationship.

11. Seven times a number is $49.7 \mathbf{x}=\mathbf{4 9} ; \mathbf{x}=\mathbf{7}$
12. A number divided by 6 is equal to 10. $\frac{\mathbf{x}}{6}=\mathbf{1 0} ; \mathbf{6 0}$

For numbers 13-16, use the equation $8 y=4 x$ to find $y$ for each value of $x$.

|  | $\boldsymbol{x}$ | $4 x$ | $8 y=4 x$ | $y$ |
| :---: | :---: | :---: | :---: | :---: |
| 13. | -4 | $4(-4)=-16$ | $8 y=-16$ | -2 |
| 14. | -2 | -8 | $8 y=-8$ | -1 |
| 15. | 0 | 0 | $8 y=0$ | 0 |
| 16. | 2 | 8 | $8 y=8$ | 1 |

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