

7.4b Solving Multiplication Equations with Fraction Coefficients

Name _____

Solve each equation and show the inverse operation.

1) $\frac{4}{5}w = 12$

2) $\frac{2}{3}n = 10$

3) **Write as an equation and solve.** Your mother gave you \$15 with which to buy a present. This covered $\frac{3}{5}$ of the cost. How much did the present cost?

4) **Write as an equation and solve.** A stray dog ate 12 of your cupcakes. That was $\frac{3}{10}$ of all of them! How many total cupcakes did you have before the dog ate some?

Equation: _____

Equation: _____

Solution: _____

Solution: _____

5) $8 = \frac{2}{5}a$

6) $\frac{3}{4}c = 9$

7) $\frac{3}{8}x = -6$

8) $-5 = \frac{1}{3}y$

9) $-10 = -\frac{5}{8}h$

10) $-\frac{3}{5}e = -18$