

Proportions & Equations

- 1) If you can buy one can of pineapple chunks for \$2 then how many can you buy with \$10?
- 2) Ming was planning a trip to Western Samoa. Before going, she did some research and learned that the exchange rate is 6 Tala for \$2. How many Tala would she get if she exchanged \$6?
- 3) Jasmine bought 32 kiwi fruit for \$16. How many kiwi can Lisa buy if she has \$4?
- 4) Castel bought four bunches of fennel for \$9. How many bunches of fennel can Mofor buy if he has \$18?

Solve each proportion.

$$5) \frac{3}{6} = \frac{5}{r}$$

$$6) \frac{3}{2} = -\frac{6}{x}$$

$$7) \frac{7}{x} = \frac{4}{6}$$

$$8) \frac{12}{n-4} = \frac{7}{n+9}$$

$$9) \frac{k-1}{12} = \frac{k-7}{8}$$

$$10) \frac{7}{r+8} = \frac{5}{r+9}$$

Solve each equation.

$$11) 3 + 9(10x - 7) = -6(x - 6)$$

$$12) 3(1 + 12x) = -10(6 + 2x) + 7$$