

Simple Linear Equations

Solve for each variable.

$$1. \frac{50}{u} - (-2) = 7$$

$$6. 4 + \frac{15}{v} = 7$$

$$11. 9 + \frac{30}{a} = 6$$

$$2. -1 - \frac{-18}{c} = 8$$

$$7. \frac{-21}{u} + 8 = 11$$

$$12. \frac{21}{z} + 3 = 6$$

$$3. \frac{-12}{b} - 10 = -6$$

$$8. \frac{-24}{b} - (-5) = 9$$

$$13. \frac{35}{y} - 9 = -14$$

$$4. 2 - \frac{45}{y} = -7$$

$$9. \frac{-10}{a} + 4 = 9$$

$$14. \frac{-32}{z} + 6 = 14$$

$$5. \frac{70}{u} + 1 = 8$$

$$10. \frac{20}{v} - 9 = -5$$

$$15. 3 - \frac{-32}{c} = -5$$

Simple Linear Equations Answers

Solve for each variable.

$$1. \frac{50}{u} - (-2) = 7$$
$$u = 10$$

$$6. 4 + \frac{15}{v} = 7$$
$$v = 5$$

$$11. 9 + \frac{30}{a} = 6$$
$$a = -10$$

$$2. -1 - \frac{-18}{c} = 8$$
$$c = 2$$

$$7. \frac{-21}{u} + 8 = 11$$
$$u = -7$$

$$12. \frac{21}{z} + 3 = 6$$
$$z = 7$$

$$3. \frac{-12}{b} - 10 = -6$$
$$b = -3$$

$$8. \frac{-24}{b} - (-5) = 9$$
$$b = -6$$

$$13. \frac{35}{y} - 9 = -14$$
$$y = -7$$

$$4. 2 - \frac{45}{y} = -7$$
$$y = 5$$

$$9. \frac{-10}{a} + 4 = 9$$
$$a = -2$$

$$14. \frac{-32}{z} + 6 = 14$$
$$z = -4$$

$$5. \frac{70}{u} + 1 = 8$$
$$u = 10$$

$$10. \frac{20}{v} - 9 = -5$$
$$v = 5$$

$$15. 3 - \frac{-32}{c} = -5$$
$$c = -4$$