

Simple Linear Equations (A)

Solve for each variable.

1. $\frac{a}{6} + 4 = 9$

6. $10 - \frac{a}{5} = 7$

11. $10 - \frac{x}{6} = 8$

2. $2 + \frac{14}{x} = 4$

7. $\frac{a}{8} + 2 = 7$

12. $\frac{u}{7} + 2 = 4$

3. $\frac{36}{b} + 1 = 5$

8. $\frac{35}{u} + 6 = 13$

13. $\frac{a}{2} + 1 = 10$

4. $\frac{70}{y} + 3 = 10$

9. $\frac{40}{a} + 4 = 12$

14. $\frac{z}{7} + 10 = 18$

5. $7 + \frac{42}{x} = 13$

10. $\frac{21}{y} + 3 = 10$

15. $\frac{b}{3} + 6 = 15$

Simple Linear Equations (A) Answers

Solve for each variable.

$$1. \frac{a}{6} + 4 = 9$$
$$a = 30$$

$$6. 10 - \frac{a}{5} = 7$$
$$a = 15$$

$$11. 10 - \frac{x}{6} = 8$$
$$x = 12$$

$$2. 2 + \frac{14}{x} = 4$$
$$x = 7$$

$$7. \frac{a}{8} + 2 = 7$$
$$a = 40$$

$$12. \frac{u}{7} + 2 = 4$$
$$u = 14$$

$$3. \frac{36}{b} + 1 = 5$$
$$b = 9$$

$$8. \frac{35}{u} + 6 = 13$$
$$u = 5$$

$$13. \frac{a}{2} + 1 = 10$$
$$a = 18$$

$$4. \frac{70}{y} + 3 = 10$$
$$y = 10$$

$$9. \frac{40}{a} + 4 = 12$$
$$a = 5$$

$$14. \frac{z}{7} + 10 = 18$$
$$z = 56$$

$$5. 7 + \frac{42}{x} = 13$$
$$x = 7$$

$$10. \frac{21}{y} + 3 = 10$$
$$y = 3$$

$$15. \frac{b}{3} + 6 = 15$$
$$b = 27$$