

P

Solve each linear equation. Show your work.

$$2(x - 5) - 8 = 20$$

18

L

Solve each linear equation. Show your work.

$$2x - (5 - x) = \frac{5}{2}$$

19

H

Solve each linear equation. Show your work.

$$\frac{1}{4}(x + 2) - 2 = 0.5$$

2.5

A

Solve each linear equation. Show your work.

$$4x - \frac{5 - 2x}{5} = \frac{3}{5}$$

8

M

Write each repeating decimal as a fraction.

$0.\overline{2}$

$\frac{2}{9}$

E

Write each repeating decimal as a fraction.

$0.9\overline{3}$

$\frac{2}{9}$

K

Write each repeating decimal as a fraction.

$$0.2\overline{6}$$

$$\frac{14}{15}$$

O

Write each repeating decimal as a fraction.

$$0.3\overline{16}$$

$$\frac{4}{15}$$

I

Solve each equation with variables

$$\frac{2}{3}v = 2 - \frac{4}{3}$$

$$\frac{313}{990}$$

B

Solve each equation with variables

$$1.5d + 3.2 = 9.2$$

1

F

Solve each equation with variables

$$\frac{3}{5}f - \frac{4}{5} = \frac{2}{5}$$

4

D

Solve each equation with variables

$$7.5x - 4.1 = 6.7 - 4.5x$$

2

G

Solve each linear equation. Show your work.

$$0.7(h + 2) + 1.6 = 17$$

0.9

J

Solve each linear equation. Show your work.

$$0.3(k - 0.2) = 0.6$$

20

C

Solve each linear equation. Show your work.

$$5(y + 1) = 3(3y + 4)$$

2.2

N

Solve each linear equation. Show your work.

$$6 - \frac{y}{3} = 0$$

$-\frac{7}{4}$

Name: _____

Solving for Linear Equations with One Variable

Each group will start at a different card. Record the letter on the top of the card you start with in box 1 below, then solve the problem that is written on the card, using box 1 to show your work. Next, look for the answer to that problem on the bottom of another card. When you find it, go to that card next, record the letter on that card in box 2 and solve the problem. Repeat this until you get back to the card you started with.

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

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