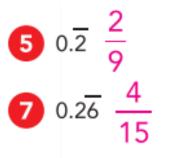
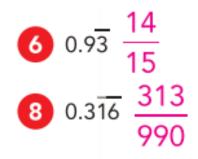
## Linear Equation Review

Solve each linear equation. Show your work.



## Write each repeating decimal as a fraction. Show your work.





Tell whether each equation has one solution, no solution, or an infinite number of solutions. Show your work.

$$9 \quad 2x+4 = -2\left(\frac{1}{2}-x\right)$$

No solution

$$10 \quad 6y + (16 - 2y) = 4(4 + y)$$

Identity Infinite Number of Solutions

$$11 \quad 4x + 5 = 2x - 7$$

One solution, x = -6

(12) 
$$2x + 5 = -4\left(-\frac{5}{4} - \frac{1}{2}x\right)$$

Identity

Infinite Number of Solutions

$$13 \quad 8(x+2) = 2x + 16$$

One Solution x=0

$$\begin{array}{ccc} \mathbf{14} & 3 + \frac{3}{2}x + 4 = 4x - \frac{5}{2}x \end{array}$$

$$\frac{3}{2}(2x+6) = 3x+9$$



Identity Infinite Number of Solutions

$$\frac{1}{2}(2-4x) + 2x = 13$$

Identity Infinite Number of Solutions

## Find the value of y when x = 4.

$$\frac{1}{7}(3x+y) = x \ 16$$

$$\frac{18}{4} \frac{3y+1}{4} = 2x \ 10\frac{1}{3}$$

Complete the table of x- and y-values for each equation.

**19** 
$$y = 5(x + 3)$$
  
**20**  $\frac{x}{4} + y = 1$   
**x** 0 1 2  
**y** ? ? ? ? 15; 20; 25  
**x** 2 ? ? 4; 6  
**y** ? 0 -0.5

\*\*\*Don't forget to study Math Warm Up Problems from this week!\*\*\*