

p. 344-5 Solving Equations

Oct. 29

5. $x - 3 = 11$ ⁺³ ⁺³

$$x = 14$$

9. $3 = y - 10$ ⁺¹⁰ ⁺¹⁰

$$13 = y$$

$$y = 13$$

7. $n - 7 = -8$ ⁺⁷ ⁺⁷

$$n = -1$$

11. $x + 6 = 13$ ⁻⁶ ⁻⁶

$$x = 7$$

$$13 \quad y + 2 = -7 - 2$$

$$y = -9$$

$$15. \quad x + 3 = 9$$

$$x = 6$$

17. Solve and check

$$m - 5 = -4 + 5$$

$$m = 1$$

Left Side | Right Side

$$m - 5 \quad -4$$

$$1 - 5$$

$$-4 \leftarrow \checkmark$$

18.

$$2^{+3} = -3^{+3} + n$$

$$5 = n$$

$$n = 5$$

20

$$r + 7 = -9 - 7 \quad \text{L.S.}$$

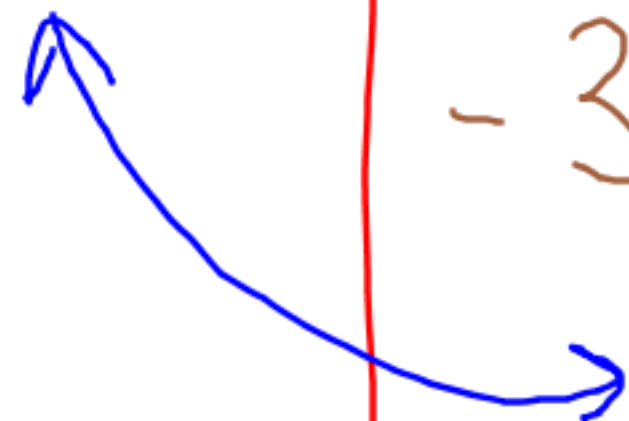
$$r = -16 \quad r + 7$$

$$-16 + 7$$

$$-9$$

L.S.

$$2$$



R.S.

$$-3 + n$$

$$-3 + 5$$

$$2 \quad \checkmark \text{ R.S.}$$

$$-9$$



26.

$$\begin{array}{c}
 \begin{array}{c}
 +1 \\
 -11 = t - 1 \\
 -10 = t \\
 \cancel{t = -10}
 \end{array}
 \end{array}$$

-1.5 -1.5

LS	RS
-11	+ -1 ✓
	10 - 1
	-11

27.

$$\begin{aligned}
 x + 1.5 &= 3.5 \\
 x &= 2
 \end{aligned}$$

LS	RS
$x + 1.5$	3.5
2 + 1.5	
3.5	✓

33.

$$9 = 8.2 + x$$

$$x = 0.8$$

L.S.	{	R.S.
9		8.2 + x
x		8.2 + 0.8
		= 9

c13. three more than a number.
x is eight

a) $x - 3 = 8$ b) $x + 8 = 3$

b) $x + 3 = 8$ a) $x - 8 = 3$

46.

$$y - \frac{1}{7} = \frac{5}{7}$$

$$y = \frac{6}{7}$$

47.

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

$$x = \frac{3}{4} - \frac{1}{2}$$

$$x = \frac{1}{4}$$

49.

$$I^{\pm \frac{1}{6}} = m - \frac{I^{\pm \frac{1}{6}}}{6}$$

$$\frac{I}{12} + \frac{I^2}{6 \times 2} = m$$

$$\frac{I}{12} + \frac{2}{12} = m$$

$$\frac{9}{12} = m$$

$$m = \frac{3}{4}$$

hwk

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