

$$4. \quad \frac{1m}{4} + 1 = 9.5$$

$$0.25m + 1 = 9.5$$

$$\underline{0.25m} = \underline{8.5}$$

Solving Inequalities

T/a. $5 > 4$ $>$ greater than

T/b) $10 > 6$

F/c) $15 \geq 17$ greater than or equal to

T/d) $6 < 8$ less than

F/e) $7 \leq -7$ less than or equal to

$$2. \quad -6(7+x) = -36$$

+42

$$-42 - 6x = -36 + 42$$

$$-6x = 6$$

$$\frac{-6}{-6} = \frac{6}{-6}$$

$$x = -1$$

L.S.

$$-6(7+x)$$

$$-6(7 + -1)$$

$$-6(6)$$

$$= -36$$

R.S.

$$-36$$

$$\begin{aligned}
 3. \quad & 3(n+7) = 45 \\
 & 3n + 21 = 45 \\
 & 3n = 24 \\
 & n = 8
 \end{aligned}$$

$3(n+7)$	4	5	R
$3(8+7)$			
3×15			
4	5		

$$\begin{array}{lcl}
 \textcircled{4} & 4(a+7)=44 & 4(a+7) \overset{LS}{\underset{RS}{}} = 44 \checkmark \\
 & 40+28 = 44-28 & 4(4+7) \\
 & 4a = 16 \div 4 & 4 \times 11
 \end{array}$$

$$\begin{array}{lcl}
 \textcircled{5} & \begin{array}{c} a=4 \\ \swarrow \quad \searrow \\ -5(2v+6)=30 \end{array} & 44 \checkmark \quad \text{LS | RS} \\
 & -10V - 30 = 30 + 30 - 5(12+6) & \begin{array}{r} \hline -5(2(4)+6) \\ -5(12+6) \\ 60-30 \\ 30 \\ \hline \end{array} \\
 & -10V = 60 & \\
 & \frac{-10}{-10} = \frac{60}{-10} & \\
 & v = -6 &
 \end{array}$$

6.

$$-7x - 2(-3x - 2) = -3$$

$$+6x + 4 = -3$$

$$\frac{+6x}{6} = \frac{-6}{6}$$

$$x = -1$$

LS	RS
$-2(-3x - 2)$	-3

$$-2(-3x - 2)$$

hwk : Solving Equations
with Brackets hand-out
Solve & Check

Solving Equations with Fractions
3 question handout

#1

$$2 = 5(2x - 3) - 4(1 + 2x)$$

$$2 = 10x - 15 - 4 - 8x$$

$$2 = 2x - 19$$

$$2 + 19 = 2x$$

$$\frac{21}{2} = x$$

$$10.5 = x$$

5RS
2