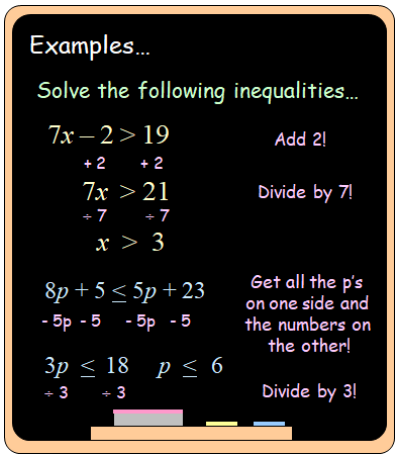
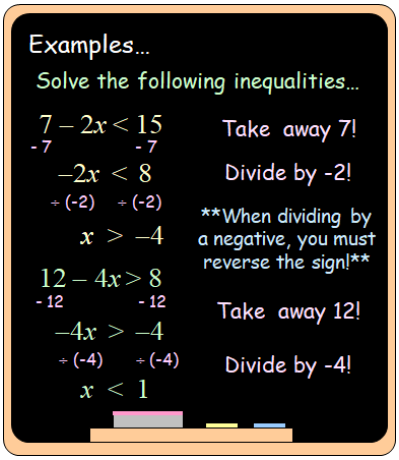
Outcome 2 – Solving Linear Inequalities

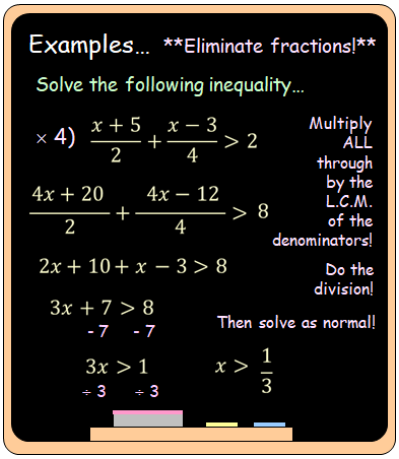
Bronze examples…



Silver examples



Gold examples



Bronze Questions

Solve the following inequalities…

1. $3a + 4 < 19$
2. $7c + 5 > 33$
3. $8t - 3 \leq 45$
4. $4s - 2 < 10$
5. $12n - 5 \geq 7$
6. $8p + 2 > 5p + 11$
7. $8l + 2 \leq l + 23$
8. $6k - 5 \geq k - 30$
9. $7j - 2 > 3j - 38$
10. $8b - 3 < 3b - 38$

Silver Questions

Solve the following inequalities…

1. $9 - 3x < 15$
2. $2 - 5a > 17$
3. $5 - 3p \geq 20$
4. $7 - 4c \leq 31$
5. $4 - 3d < 31$
6. $8 - 2t \geq 2$
7. $9 - 5m > 4$
8. $8 - 4s < 0$
9. $30 - 7w < -5$
10. $7 - 10n \leq -23$

Gold Questions

Solve the following inequalities…

1. $\frac{x}{4} < 3$
2. $\frac{x+1}{5} > 2$
3. $\frac{3x+1}{8} \geq 2$
4. $\frac{4x-3}{10} \leq \frac{4}{5}$
5. $\frac{x}{3} + \frac{x}{2} > 4$
6. $\frac{x}{9} + \frac{x}{3} \geq 2$
7. $2x - 1 < \frac{x+5}{2}$
8. $3x - 1 > \frac{4x-13}{3}$
9. $\frac{x+3}{8} + \frac{x-1}{4} \geq 5$
10. $\frac{2x+1}{2} + \frac{x-5}{3} \leq 1$

Bronze Answers

1.	$a < 5$	2.	$c > 4$
3.	$t \leq 6$	4.	$s < 3$
5.	$n \geq 1$	6.	$p > 3$
7.	$l \leq 3$	8.	$k \geq -5$
9.	$j > -9$	10.	$b < -7$

Silver Answers

1.	$x > -2$	2.	$a < -3$
3.	$p \leq -3$	4.	$c \geq -6$
5.	$d > -9$	6.	$t \leq 3$
7.	$m < 1$	8.	$s > 2$
9.	$w > 5$	10.	$n \geq 3$

Gold Answers

1.	$x < 12$	2.	$x > 9$
3.	$x \geq 5$	4.	$x \leq 11/4$
5.	$x > 24/5$	6.	$x \geq 9/2$
7.	$x < 7/3$	8.	$x > -2$
9.	$x \geq 13$	10.	$x \leq 13/8$