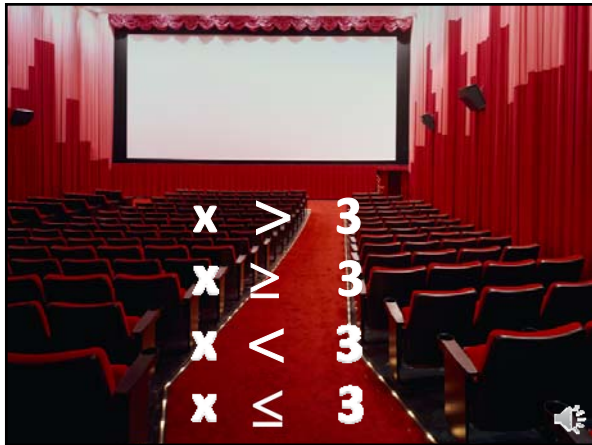


MasterMath

Algebra

Solving Inequalities with Addition and Subtraction

A slide with a black top-left corner, a grey top-right corner, a dark blue middle section with the title, and a green grass bottom section. A speaker icon is in the bottom right.



A photograph of a theater interior with a red carpet aisle. Overlaid on the aisle are four rows of white inequality symbols: $x > 3$, $x \geq 3$, $x < 3$, and $x \leq 3$. A speaker icon is in the bottom right.

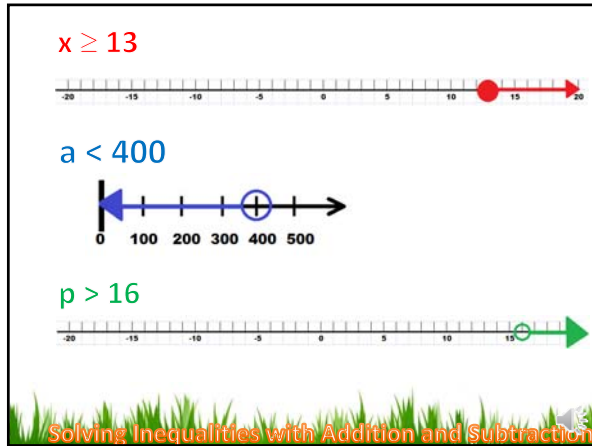


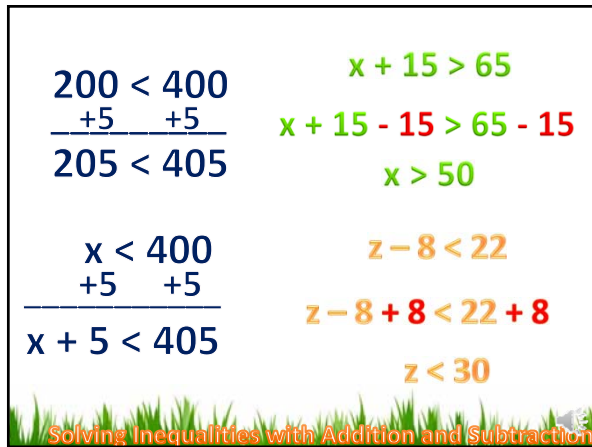
You must be at least 13 to enter the theater
 $x =$ people allowed to enter
 $x \geq 13$

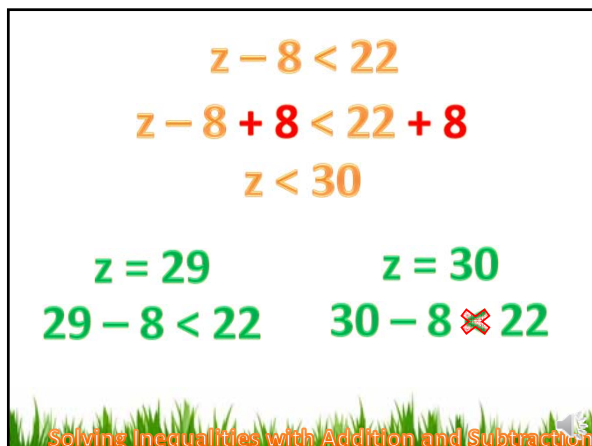
Fire Code requires that attendance be less than 400 people
 $a =$ attendance
 $a < 400$

People older than 16 wouldn't enjoy this movie
 $p =$ people who won't enjoy movie
 $p > 16$

A photograph of a theater interior with a red carpet aisle. Text and inequalities are overlaid on the image. A speaker icon is in the bottom right.







Solving Inequalities with Addition and Subtraction

YOU TRY IT Hit your Pause Key, try the problem, then hit your Forward Key to move to the answer.

Solve this Inequality for c , and then draw it on a number line: $c + 16 \leq 16$

You try it!

Solving Inequalities with Addition and Subtraction

YOU TRY IT

$c + 16 \leq 16$
 $c + 16 - 16 \leq 16 - 16$
 $c \leq 0$

Solve this Inequality for c , and then draw it on a number line: $c + 16 \leq 16$

You try it!

Solving Inequalities with Addition and Subtraction

YOU TRY IT Hit your Pause Key, try the problem, then hit your Forward Key to move to the answer.

Does the number line correctly describe this statement: "The temperature in Baltimore has never gotten below -5° ."

You try it!

Solving Inequalities with Addition and Subtraction

YOU TRY IT

Does the number line correctly describe this statement: "The temperature in Baltimore has never gotten below -5° ."

You try it!

NO

Solving Inequalities with Addition and Subtraction

YOU TRY IT

Hit your Pause Key, try the problem, then hit your Forward Key to move to the answer.

The sandals you want cost \$30, and a bus ride back and forth to the shoe store will cost you some money, but you are not sure how much. You have \$36. Write an inequality and draw a number line representing the greatest amount you can spend for the bus fare and still have enough left to buy the sandals.

You try it!

Solving Inequalities with Addition and Subtraction

YOU TRY IT

$f \leq \$36 - \30

$f \leq 6$

The sandals you want cost \$30, and a bus ride back and forth to the shoe store will cost you some money, but you are not sure how much. You have \$36. Write an inequality and draw a number line representing the greatest amount you can spend for the bus fare and still have enough left to buy the sandals.

You try it!
