1. **Solve each equation and verify the solution (1 step)**

a)   
  
  
  
  
b)   
  
  
  
  
  
c)   
  
  
  
  
d) 

1. **Solve each equation and verify the solution. (2 step)**

a)   
  
  
  
b)   
  
  
  
c)   
  
  
  
  
d)   
  
  
  
e) 

1. **Solve each equation and verify the solution. (multi step)**

a)   
  
  
  
  
b)   
  
  
  
c)   
  
  
  
d)   
  
  
  
e) 

f)   
  
  
  
g)   
  
  
  
h)   
  
  
  
  
  
i)   
  
  
  
j

1. **Solve each equation and verify the solution. (hard)**  
     
   a)  
     
     
     
     
   b)(2*x* – 3) = (3*x* + 1)

c) 

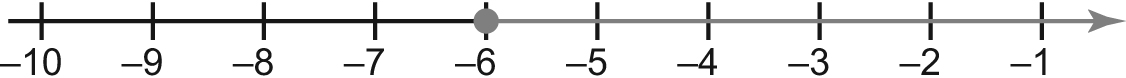
1. **A taxicab charges $2.50, plus $1.78 per kilometre. How long is a trip that costs $21.19?**
2. **The sum of three times a number, plus five is equal to seven less than seven times the number. Write an equation to model this situation. Solve the equation to determine the number. Verify the solution.**  
     
     
     
     
     
     
     
   Inequalities
3. **State 3 values of the variable that satisfy each inequality.**

a) c < 7 b) 

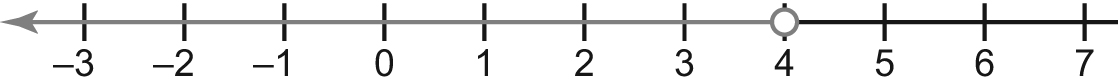
c) 5 < n d) 

1. **Write the inequality that is graphed on each number line.**

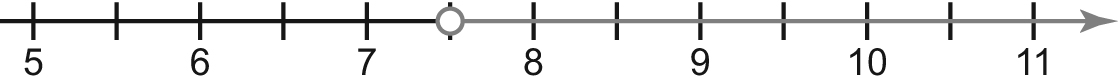
a)



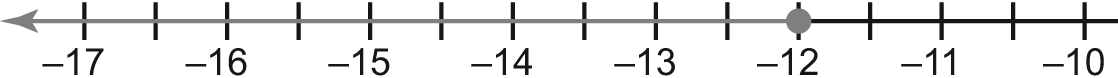
b)



c)



d)



1. **Write an inequality to describe each situation, then graph it.**

a) The gas tank in a car contains no more than 55 L of gas. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

u06_m-t16a

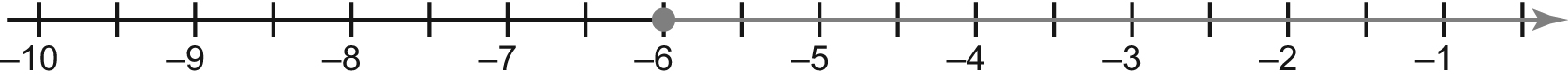
1. The minimum age you must be to watch the movie is 13. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

u06_m-t16b

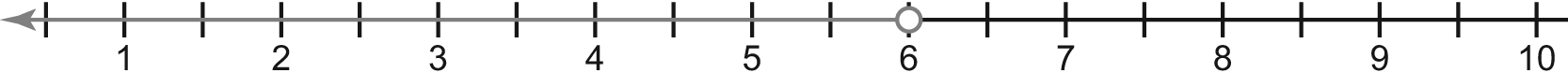
1. **Match each inequality with the graph of its solution.**

a) b)  c)  d) 

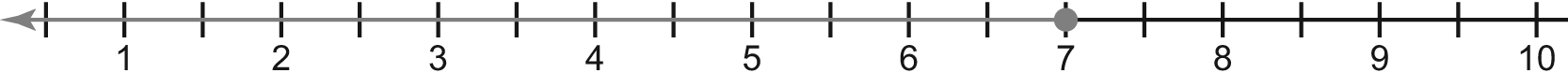
i)

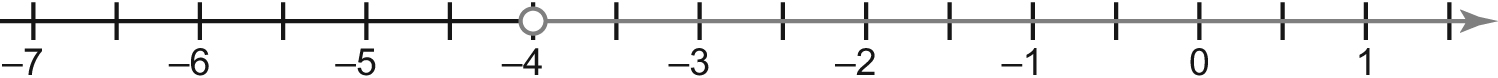
****

ii)



iii)



1. 
2. **Solve, then graph each inequality.**

a) 

u06_m-t18a

b) 

u06_m-t18b

u06_m-t18cc) 

1. **Solve each inequality and graph the solution.**

a) 

u06_m-t19a

b) 

u06_m-t19b

c) 

u06_m-t19c

d) 

u06_m-t19d

1. **Nadia gets paid $1000 per month plus 5% commission on her sales. She wants to earn at least $2200 this month. Write an inequality to represent this situation, then solve it to determine how much Nadia must sell to reach her goal.**
2. **Christine wants to go to the fair. Admission costs $4.50 and each ride costs another $1.25.   
   Christine wants to spend no more than $25.00. How many rides can she go on?**   
   a) Select a variable and use an inequality to model this problem.  
     
     
     
     
     
     
     
   b) Solve the inequality. Explain the solution in words.  
     
     
     
     
     
     
     
     
   c) Verify the solution.