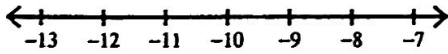


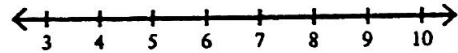
ML #1 Homework-2 Step Inequalities (Math 7 PLUS- Unit 3)

Solve each inequality and graph its solution.

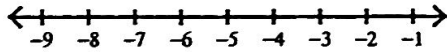
1) $5 + \frac{p}{9} \geq 4$



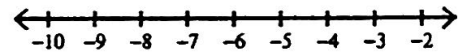
2) $-3k - 2 < -17$



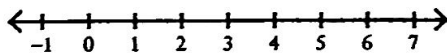
3) $-3 + \frac{k}{3} > -5$



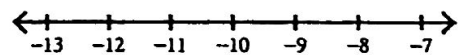
4) $3r + 3 \geq -12$



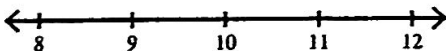
5) $\frac{8+r}{4} \geq 3$



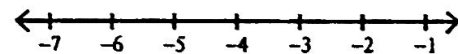
6) $-8k + 6 \leq 94$



7) $-8 + 9x \geq 82$



8) $\frac{n-2}{3} > -2$



9. A mail-order company is advertising a sale. During the sale, certain DVD's are \$6 each and the shipping and handling charge is only \$4. How many DVD's can you buy for \$40?

10. Maureen is ordering photographic reprints and enlargements. She can spend at the most \$21. She wants to order an 11 inch X 14 inch enlargement and some 3 inch X 5 inch reprints. If enlargements are \$7.00 and reprints are \$2.00, how many reprints can she order?

11. The perimeter of a triangle is at the most 32 cm. One side is 11 cm long. The other two sides are the same length. What are the possible lengths of the two congruent sides?

12. The kiddie ride at the fair says the weight limit is less than 1200 pounds. The ride operator has to ride and he weighs 200 pounds. If each kid weighs on average 50 pounds each, what is the maximum number of kids that can ride the ride at one time?

13. Keith has \$500 in savings account at the beginning of the summer. He wants to have at least \$200 in the account by the end of the summer. He withdraws \$25 each week for food, clothes and movie tickets. How many weeks can Keith withdraw money from his account?