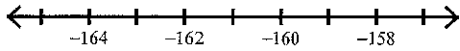


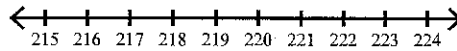
5.1-5.3 Review 2

Solve each inequality and graph its solution.

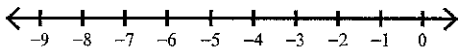
1) $-8 > \frac{n}{20}$



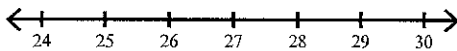
2) $\frac{b}{11} \geq 20$



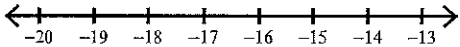
3) $-9 + r < -13$



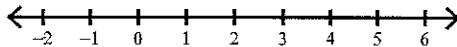
4) $-18 + x \geq 8$



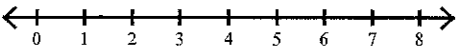
5) $n + 23 > 6$



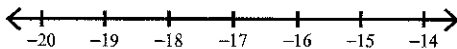
6) $-13 \leq a - 14$



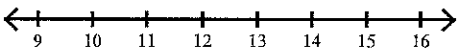
7) $4x + 4 > 20$



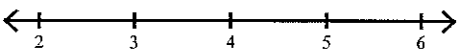
8) $-6(n - 7) \geq 144$



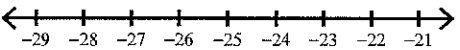
9) $7 - 9r > -101$



10) $-6(v - 10) < 36$



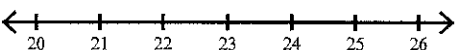
11) $-2(-5 + a) \geq 58$



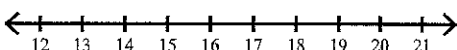
12) $\frac{x}{2} - 6 < -8$



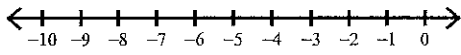
13) $\frac{x}{24} + 8 < 9$



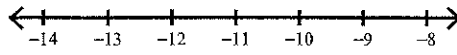
14) $\frac{-6 + a}{2} \leq 5$



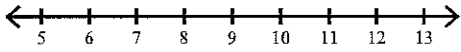
$$15) \frac{k-11}{2} \leq -8$$



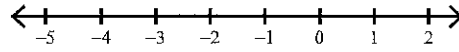
$$16) \frac{p+3}{9} > -1$$



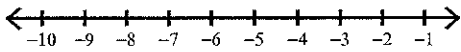
$$17) 5(n+6) > 6+8n$$



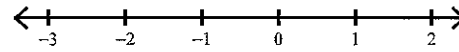
$$18) -4x-7 \geq -6(3+3x)-3$$



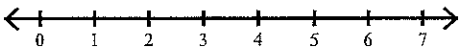
$$19) -33+7r \geq 2r+2(6+7r)$$



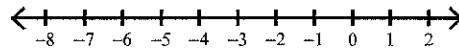
$$20) 30-8m < 5(8m+6)$$



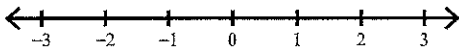
$$21) -37-4n > -5(8n-7)$$



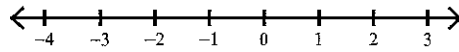
$$22) -2(5-8x) \geq -40+6x$$



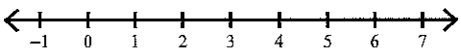
$$23) -2v-36 > 2v+5(-4v-4)$$



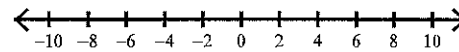
$$24) -6-2(x-5) < -2-5x$$



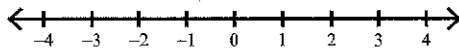
$$25) 4-7b > -8(2b-5)$$



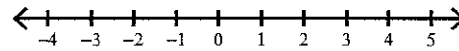
$$26) 6+5n \geq -(1-5n)$$



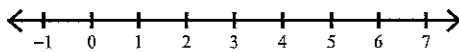
$$27) 2(-5-7k) < -10+7k$$



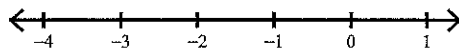
$$28) -3a-25 < 5(-5-8a)-2a$$



$$29) -8x-1 \leq -5(3x-4)$$



$$30) -10+2x \leq -2(-6x-5)$$



31. **FLOODING** A river is rising at a rate of 3 inches per hour. If the river rises more than 2 feet, it will exceed flood stage. How long can the river rise at this rate without exceeding flood stage?

32. **GEOMETRY** The area of a triangular garden can be no more than 120 square feet. The base of the triangle is 16 feet. What is the height of the triangle?

33. **SALES** Pet Supplies makes a profit of \$5.50 per bag on its line of natural dog food. If the store wants to make a profit of no less than \$5225 on natural dog food, how many bags of dog food does it need to sell?

34. **MUSIC PRACTICE** Nabuko practices the violin at least 12 hours per week. She practices for three fourths of an hour each session. If Nabuko has already practiced 3 hours in one week, how many sessions remain to meet or exceed her weekly practice goal?