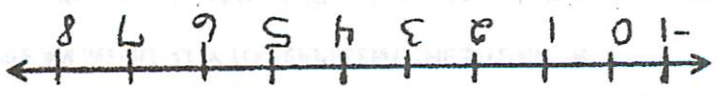
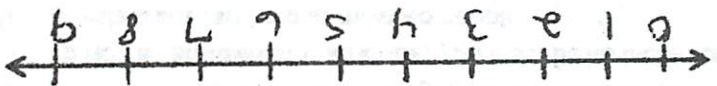


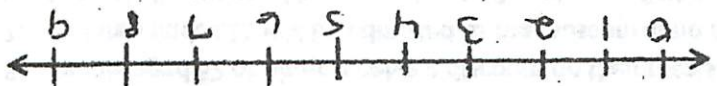
15. Inequality: $4x < 16$



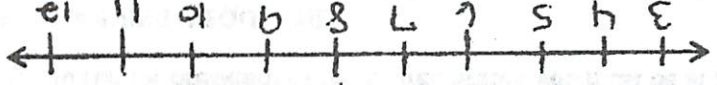
16. Inequality: $x + 4 < 10$



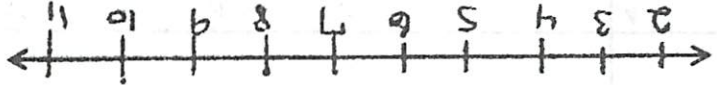
17. Inequality: $2c > 2$



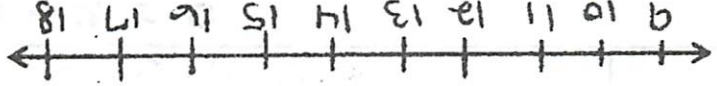
18. Inequality: $s + 2 \leq 10$



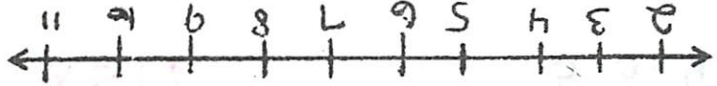
19. Inequality: $\frac{c}{d} \geq 1$



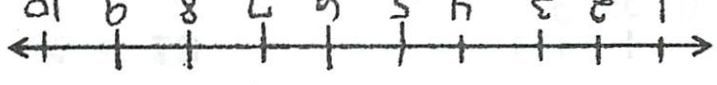
20. Inequality: $r + q = 23$



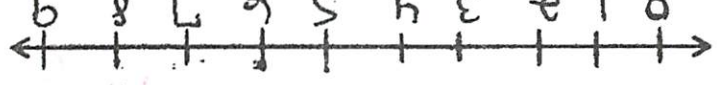
21. Inequality: $p - 4 > 2$



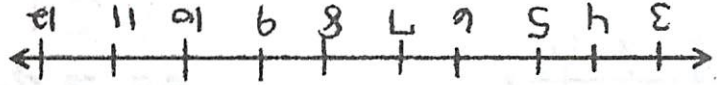
22. Inequality: $15n < 75$



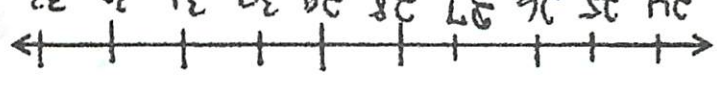
23. Inequality: $4 + r \leq 7$



24. Inequality: $\frac{a}{j} \leq 4$



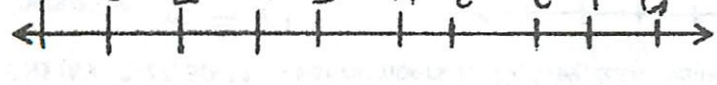
25. Inequality: $f - 11 > 16$



26. Inequality: $2k < 8$



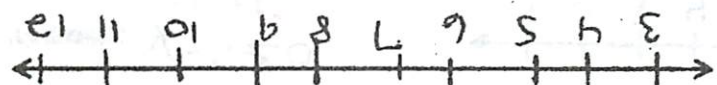
27. Inequality: $3q \geq 9$



2 times r is less than 14



30. Inequality:



5 plus a is greater than or equal to 5



31. Inequality:

For 30-31 write on graph:

WRITE AN INEQUALITY TO REPRESENT THE SITUATION

- You must be at least 42 inches tall to ride the bumper cars. $c \geq 42$
- Children under 36 inches in height cannot ride the roller coaster. $c < 36$
- To ride an amusement park ride, you must be 48 inches tall or taller. $h \geq 48$
- A restaurant can hold at most 40 people. $r \leq 40$
- Adults 65 and over will get a discount at the restaurant. $a \geq 65$
- People aged 62 or older receive a discount on their meals. $p \geq 62$
- Children under 12 will be admitted to the museum at no charge. $c < 12$
- In football, you need to gain at least 10 yards for a first down. $y \geq 10$
- To run for president of the United States, you must be at least 35 years old. $a \geq 35$

STEPS TO SOLVING INEQUALITIES

1. combine like terms	3. decide if open or closed circle
2. isolate variable using inverse operations	4. graph

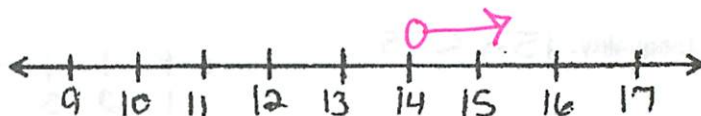
$x + 2 \leq 8$

$x \leq 6$



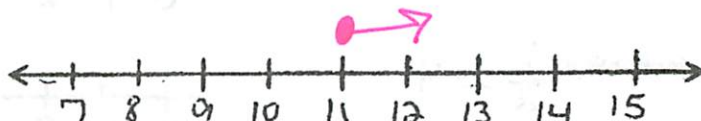
$g - 4 < 10$

$g < 14$



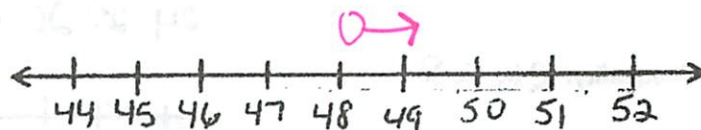
$9p \geq 99$

$p \geq 11$



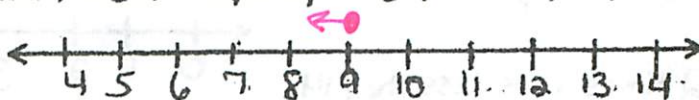
$\frac{a}{4} > 12$

$a > 48$



PAGE 91 (#'s 13-27, 30-31)— For numbers 13-27, Solve each inequality and graph the inequality on the number line.

13. Inequality: $3t \leq 27$
 $t \leq 9$



14. Inequality: $y - 5 \geq 0$
 $y \geq 5$

