

MON

Name _____

Core _____ Date _____

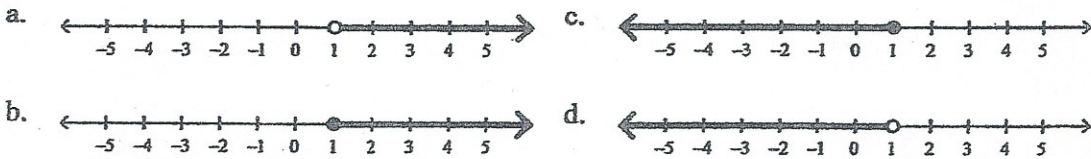
Inequalities Quiz Review

Identify the letter that best completes the statement or answers the question.

- _____ 1. Write an inequality for the situation.
 There are no less than 22 dogs in the house.
 a. Number of dogs < 22 b. Number of dogs ≥ 22
 c. Number of dogs ≤ 22 d. Number of dogs > 22

- _____ 2. Write an inequality for the situation.
 At least 27 popsicles are in the freezer.
 a. Number of popsicles ≥ 27 b. Number of popsicles > 27
 c. Number of popsicles ≤ 27 d. Number of popsicles < 27

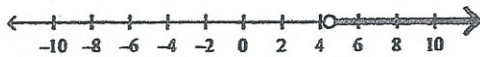
- _____ 3. Graph the inequality.
 $a > 1$



- _____ 4. Solve. Then graph the solution set on a number line.
 $a - 1.5 \leq 3$

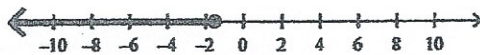
a. $a \leq 4.5$

c. $a \leq -1.5$



b. $a \leq -1.5$

d. $a \leq 4.5$



- _____ 5. Solve. Check your answer.
 $a + 4 < 2.4$
 a. $a < -1.6$ b. $a < 6.4$ c. $a > 6.4$ d. $a > -1.6$

- _____ 6. Solve. Check your answer.
 $\frac{n}{-6.3} < 3.2$
 a. $n < -20.16$ b. $n > -20.16$ c. $n < \frac{-32}{63}$ d. $n > \frac{-32}{63}$

7. Solve. Show work. Check your answer.

$$3n \geq 8$$

- a. $n \leq 24$ b. $n \geq 24$ c. $n \leq 2\frac{2}{3}$ $n \geq 2\frac{2}{3}$

Solve. Show work. Circle answer

8.) $-4h > 24$

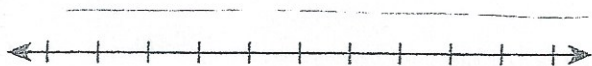
9.) $\frac{r}{2} \leq -3$

10.) $4s - 5 \geq -9$

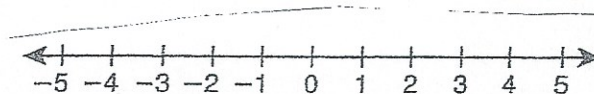
11.) $-5x + 22 \leq -3$

Graph each inequality.

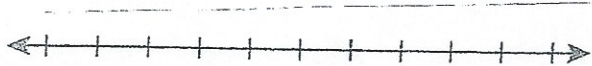
12.) $e > -15$



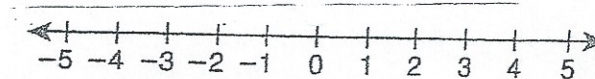
13.) $y > 2$



14.) $r \leq -6$



15.) $u < 1$



16) Amanda rented a bike. They charged her \$2 per hour, plus a \$10 fee. Amanda paid less than \$27. Find the maximum number of hours she rented for.

Inequality: _____

Answer (complete sentence): _____ 2 _____