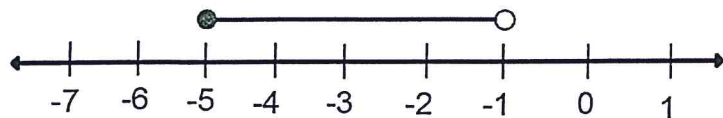


Algebra 1 6th hour Bellwork Monday, November 30, 2015

Write an inequality to model each statement or graph:

1. You can buy no more than 3 pairs of pants.
2. The elevator can hold up to 10 passengers.
3. There are at least 15 kinds of cereals to choose from.
- 4.



Graph each inequality on a number line.

5. $3 \geq Q$



6. $m < 5$ or $m > 11$



Find the exact solution to each inequality.

7. $4 - 2(5c + 3) + 3c < 24$

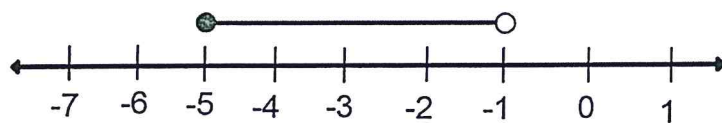
8. $33 \leq 2x - 9 \leq 47$

Algebra 1 6th hour Bellwork Monday, November 30, 2015

Answers

Write an inequality to model each statement or graph:

1. You can buy no more than 3 pairs of pants. $p \leq 3$
2. The elevator can hold up to 10 passengers. $p \leq 10$
3. There are at least 15 kinds of cereals to choose from. $c \geq 15$
- 4.



$-5 \leq x < -1 \rightarrow x \geq -5 \text{ AND } x < -1$

Graph each inequality on a number line.

5. $3 \geq Q$



6. $m < 5$ or $m > 11$



Find the exact solution to each inequality.

7. $4 - 2(5c + 3) + 3c < 24$

$4 - 10c - 6 + 3c < 24$

$-2 - 7c < 24$

$+2 \quad +2$

$-7c < 26$

$c > -\frac{26}{7}$

8. $33 \leq 2x - 9 \leq 47$

$+9 \quad +9 \quad +9$

$42 \leq 2x \leq 56$

$\frac{42}{2} \leq \frac{2x}{2} \leq \frac{56}{2}$

$21 \leq x \leq 28$