

# 8.5 Puzzle Time

## What Kind Of Cheese Comes With A House?

Write the letter of each answer in the box containing the exercise number.

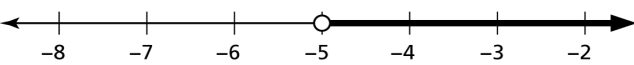
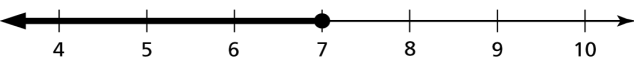

Write the word sentence as an inequality.

- A number  $x$  is more than 15.
- A number  $b$  is less than 23.
- A number  $y$  is at most 8.
- Three plus a number  $a$  is greater than or equal to 19.

Tell whether the given value is a solution of the inequality.

- $\frac{a}{4} > 5$ ;  $a = 28$
- $z + 5 \leq 13$ ;  $z = 9$

Write an inequality that represents the graph.

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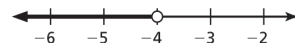
Match each inequality with its graph.

- |                |                 |
|----------------|-----------------|
| 10. $x < -4$   | 11. $a \geq -3$ |
| 12. $p \leq 3$ | 13. $y > -2$    |

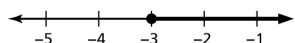
**Answers**

E.  $x > -5$                       C.  $y \leq 8$

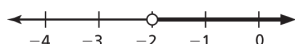
T.  $x \geq -3$

H. 

E.  $x > 15$                       A. no


G. 

E.  $3 + a \geq 19$

S. 

O.  $b < 23$

C.  $x \leq 7$

T. 

E. yes

8	2	12	9	6	11	5		3	10	1	7	13	4
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