1/3/17 CCM6

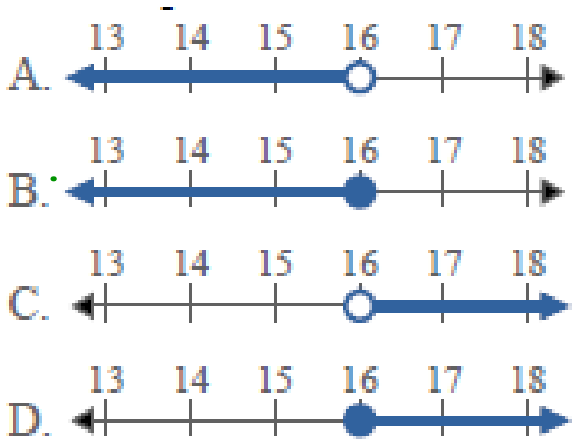
1. Write in agenda...HW is page 41...TEST FRI

2. Create a new warm-up page for this week...
   Jan 3-6.

1/3/17 Warm-ups

2) Write the ineq.

1) You must be at least 16 to get your drivers license.

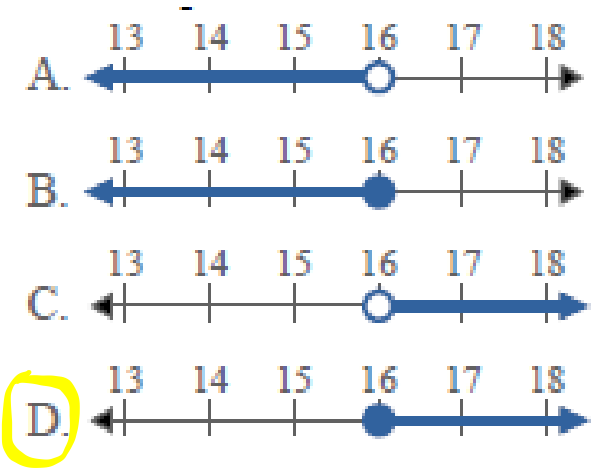


3) Solve and check:

$$\frac{3}{8}x = 12$$

1/3/17 Warm-ups

1) You must be at least 16 to get your drivers license.



2) Write the ineq.

$x \leq 7$

at most

3) Solve and check:

$\frac{3}{8}x = 12$

x	$= 32$
$\cdot \frac{3}{8}$	$\div \frac{3}{8}$
$= 12$	12

✓

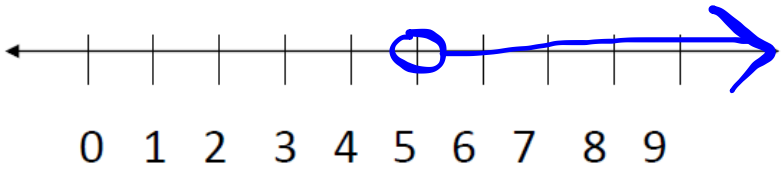
UNIT 7—CCM6 and CCM6+ P.38 *Add #5

WARMUP:

Write the inequality and graph it on a number line.

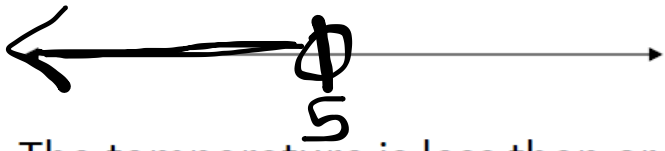
1. My practice time for the race was greater than 5 hours.

$x > 5$



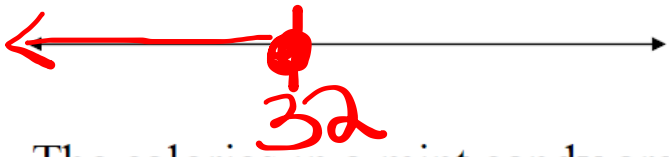
2. A number is less than 5.

$x < 5$



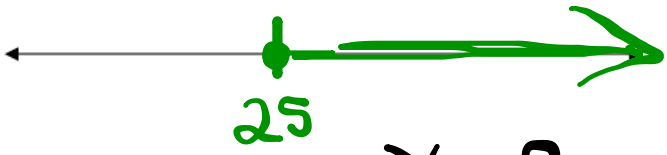
3. The temperature is less than or equal to 32◦.

$x \leq 32$



4. The calories in a mint candy are greater than or equal to 25.

$x \geq 25$



5. Solve + ✓: $\frac{x}{3} = 9$

x	$= 27$
$\div 3$	$\cdot 3$
9 ✓	9

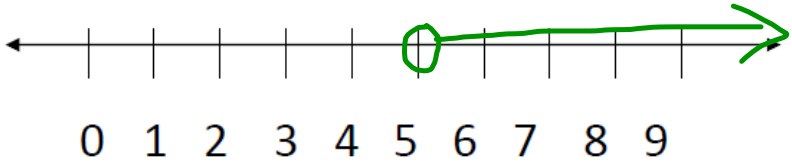
UNIT 7—CCM6 and CCM6+ P.38 *Add #5

WARMUP:

Write the inequality and graph it on a number line.

1. My practice time for the race was greater than 5 hours.

$x > 5$



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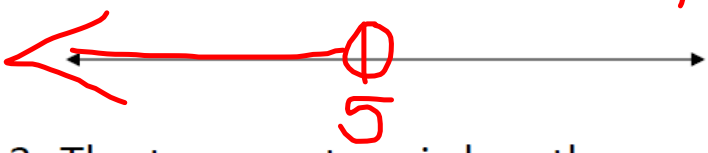
$x < 5$



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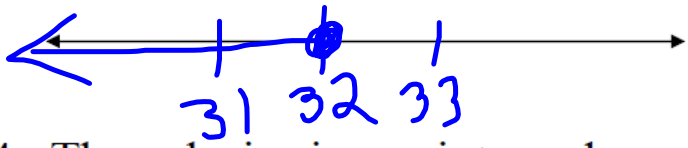

$x \leq 32$

4. The calories in a mint candy are greater than or equal to 25.

$x \geq 25$

5. Solve + ✓: $\frac{x}{3} = 9$

x	$=27$
$\div 3$	$\cdot 3$
9	9

p. 39

UNIT 7—CCM6 and CCM6+

Writing Inequalities

Name:

Write each number sentence as an equation / inequality.

Ex) x is less than or equal to -91.

1) 57 is greater than x.

2) x is less than or equal to -24.

3) 6 is greater than x.

4) -99 is less than x.

5) x is less than or equal to -15.

6) x is less than or equal to -99.

7) -38 is greater than x.

8) x is greater than 98.

9) 7 is greater than x.

10) x is greater than or equal to -93.

11) x is greater than 87.

12) x is greater than 49.

13) x is equal to -58.

14) -48 is equal to x.

15) x is less than or equal to -77.

16) x is less than -26.

17) x is greater than or equal to 14.

18) 45 is greater than or equal to x.

19) -87 is less than x.

20) x is less than 60.

Answers

Ex. $x \leq -91$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

p.40

UNIT 7—CCM6 and CCM6+

Inequalities with Fractions and Decimals

Use the following words to fill in the chart below.

is more than	maximum	minimum
at most	not more than	is less than
below	is not less than	above
not smaller than	at least	is larger than
is greater than	is not greater than	is smaller than

<	>	≤	≥

Write and graph each inequality.

1. All numbers less than 8.5 inequality: _____

2. The maximum score she can earn on this event is 15.1 inequality: _____

3. His change will be less than $5.25 inequality: _____

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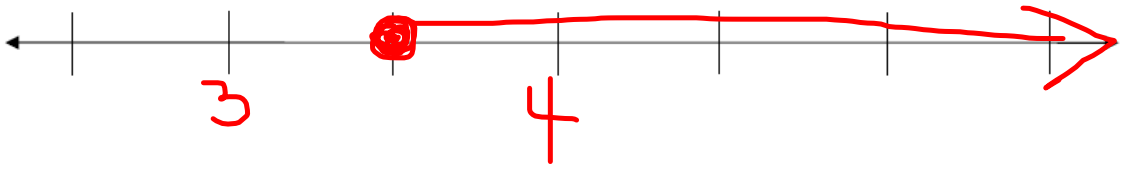
UNIT 7—CCM6 and CCM6+

4. Kyle will get at least $3\frac{1}{2}$ stars for his performance. inequality: $x \geq 3\frac{1}{2}$



5. A number that is greater than or equal to $2\frac{1}{3}$. inequality: _____

6. At least $6\frac{1}{2}$ pizzas were eaten after the party was over. inequality: _____

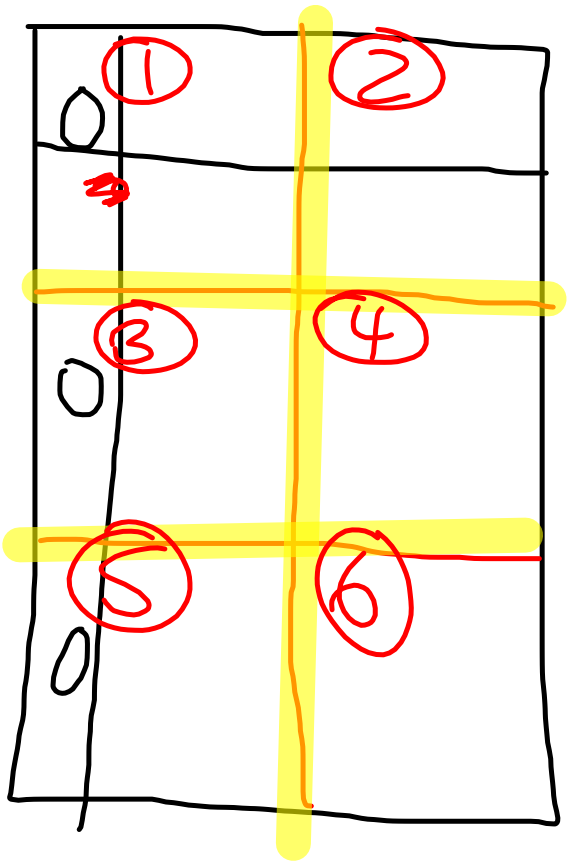
7. My bank account contains more than $20.50, where b is the amount in my bank account. Graph the inequality on the number line.

inequality: _____

8. The class must raise at least $100.50 to go on the field trip. They have collected $20.50. Write an inequality to represent the amount of money, m, the class still needs to raise. Represent this inequality on a number line.

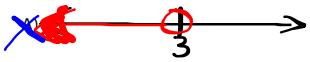
inequality: _____

41 Number 8 was adapted from the 6th grade unpacked document.

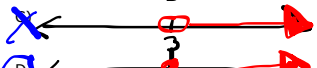

1
2
0
3
4
0
5
6
0

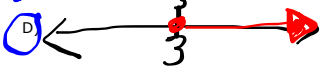
1. That winter holiday was at least 3 days too short!

Which graph represents this situation?

A) 

B)

C) 

D) 

2. Solve: $\frac{x}{11} = 22$

x	$= 242$
$\div 11$	$\cdot 11$
22 ✓	22

3. If 5x = 300, then 2(x+8) is what value?

x	$= 60$
$\cdot 5$	$\div 5$
300	300

$\rightarrow 2(60+8)$

A. 305

B. 60

C. 68

D. 136

4. We are supposed to get at most 3 inches of snow on Saturday. Which inequality represents this situation?

A. $x > 3$

B. $x \geq 3$

C. $x < 3$

D. $x \leq 3$

5. Which is a solution for this inequality?

$2x - 4 < 2$

A. $x = 1$ ✓

B. $x = 2$ ✓

C. $x = 3$

D. $x = 4$

0	1. D	2. 242
0	3. 136	4. D
0	5. A B	

$2x - 4 < 2$

A

B