

Day 23

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$$7 - |2x - 5| \leq -9$$

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1. Opener

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a) Graph: $|x - 1| \leq 9$

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- b) Starbucks opened in 1971. In 18 years it had 55 stores.
How many stores did it have in 2005?

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- d) Sarah took 7 minutes to make 2 pizzas. How many pizzas could she make in an hour? Use unit rates and proportions.

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- c) Graph: $7 - |2x - 5| \leq -9$
- d) Sarah took 7 minutes to make 2 pizzas. How many pizzas could she make in an hour? Use unit rates and proportions.
- e) What percent of Americans believe they're above-average drivers? What percent believe they're below-average?

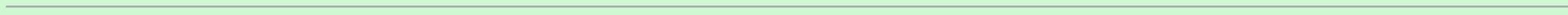
1. Starbucks

2007

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1971

2007



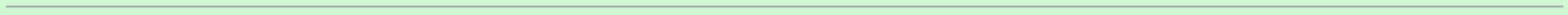
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2007

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1971

2007



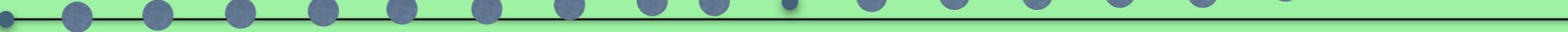
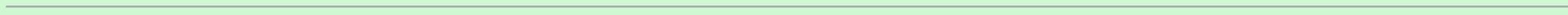
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2007

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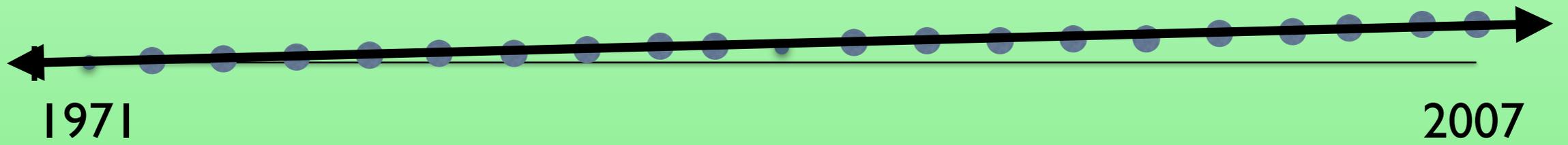
1971

2007

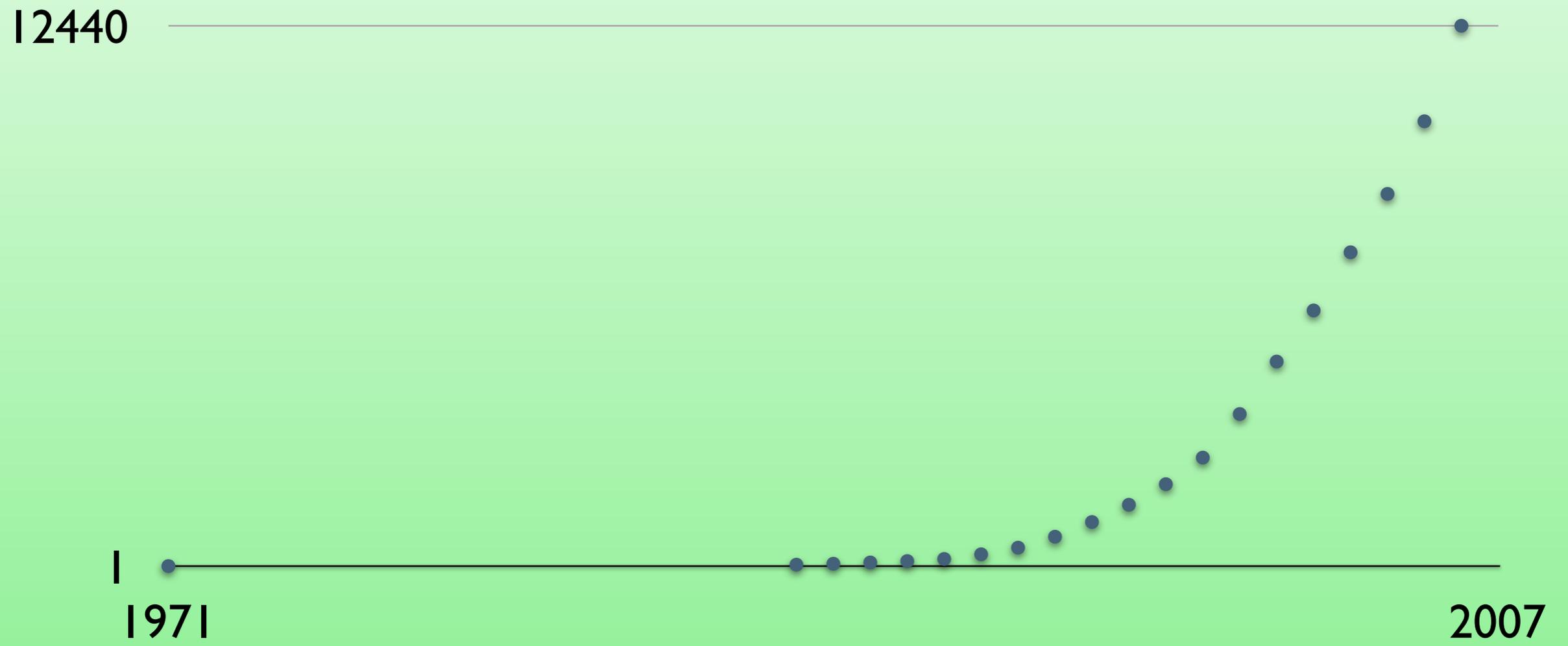


1. Starbucks

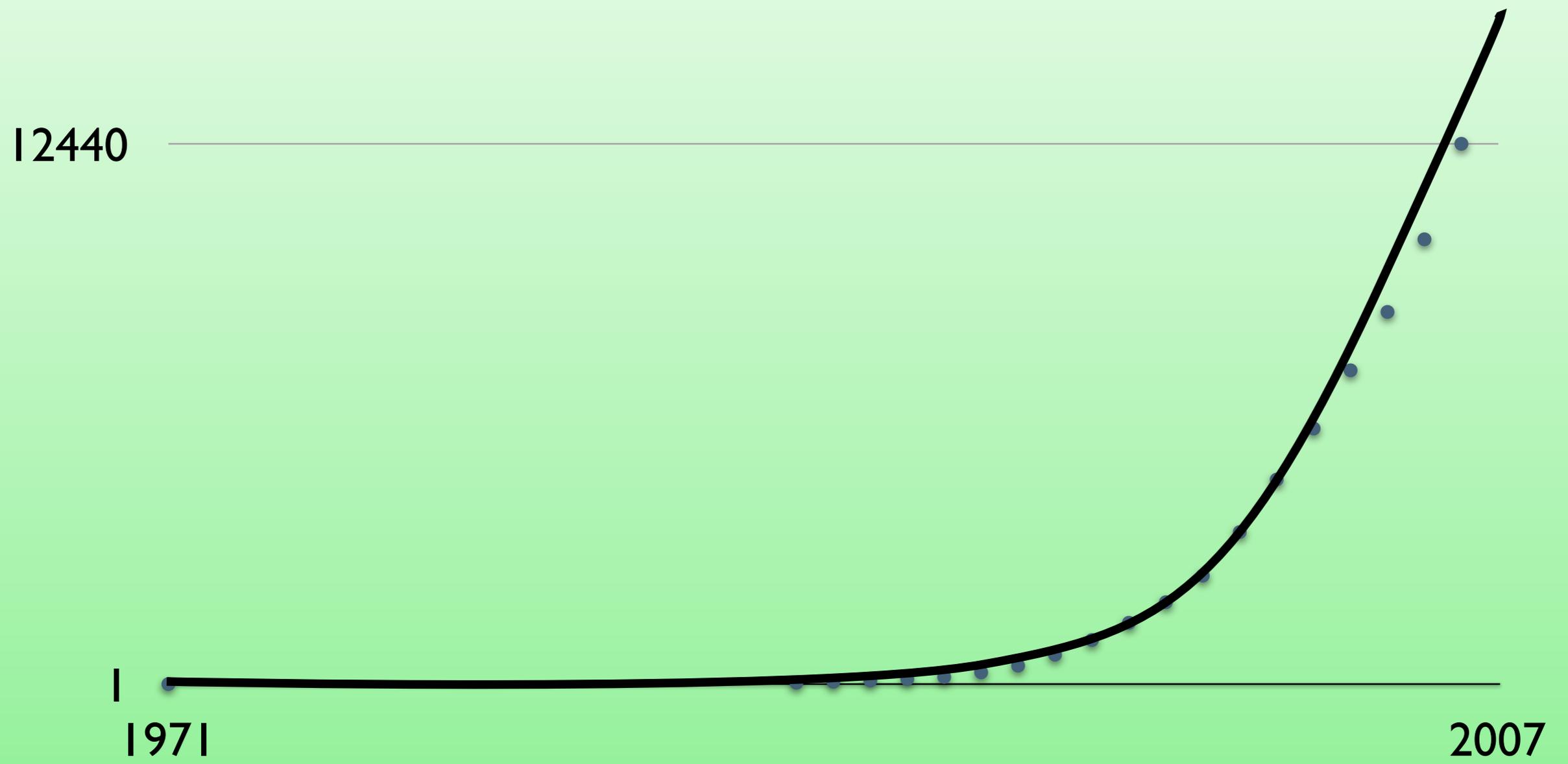
2007



1. Starbucks



1. Starbucks



6. Homework

Practice

$$|x + 2| < 1$$

Challenge

$$|2x - 3| < 0$$



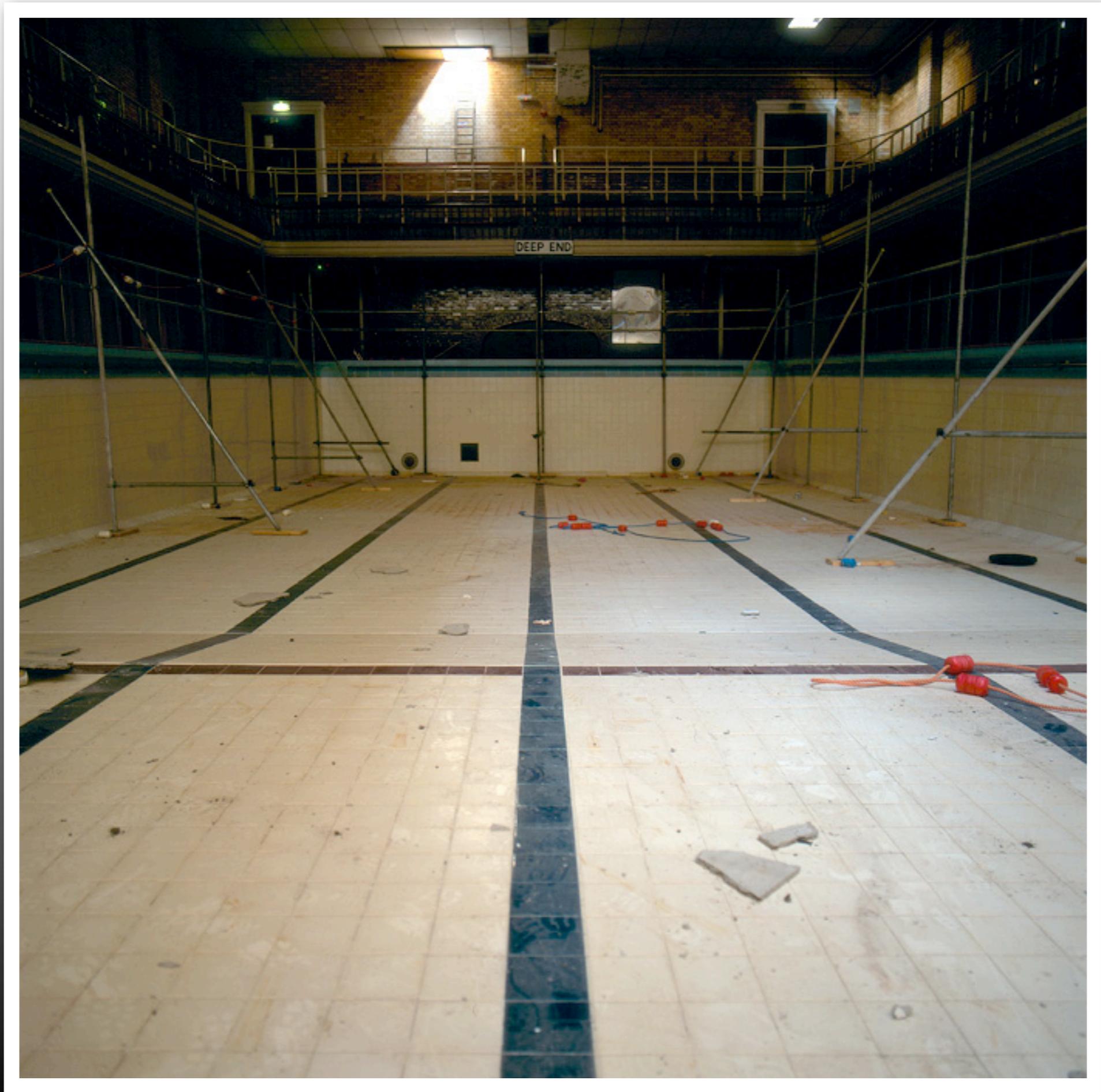


















2. Classwork

1. $|x + 1| > 7$

2. $|x + 1| > 3$

3. $|2x - 6| > 10$

4. $|2x + 6| \leq 4$

5. $-|x - 1| \leq -3$

6. $-|2x + 1| \leq -3$

7. $5 + |x - 6| > 4$

8. $5 - |x - 6| > 4$

9. $3 - |x + 7| < 0$

10. $3 - |x + 7| < 3$

11. $2 - |2x - 3| \leq 1$

12. $4 - |5x - 3| > 1$

2. Classwork Answers

1.

7.

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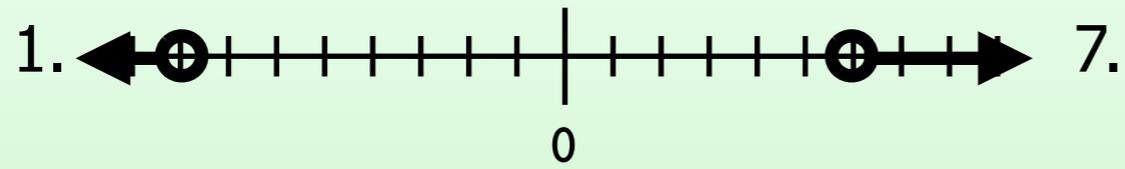
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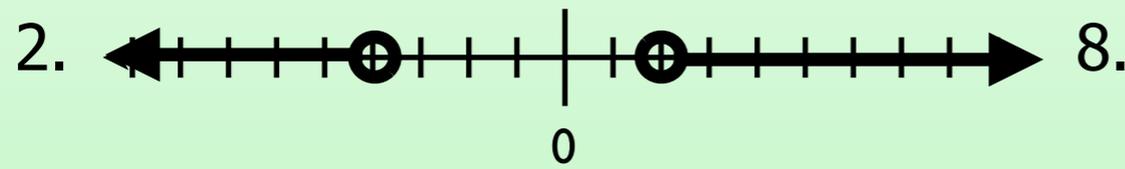
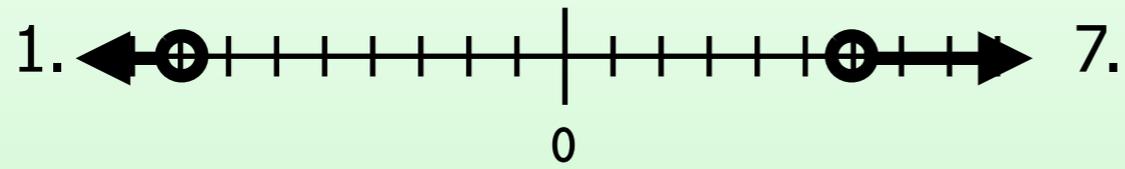
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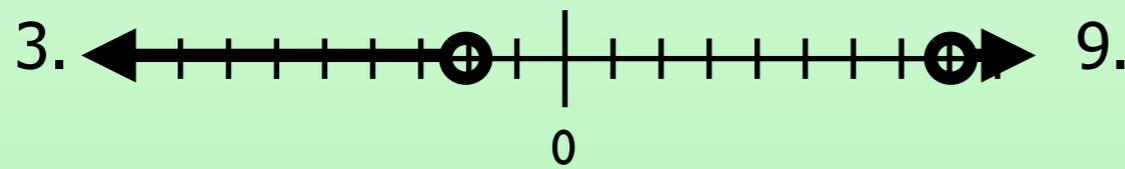
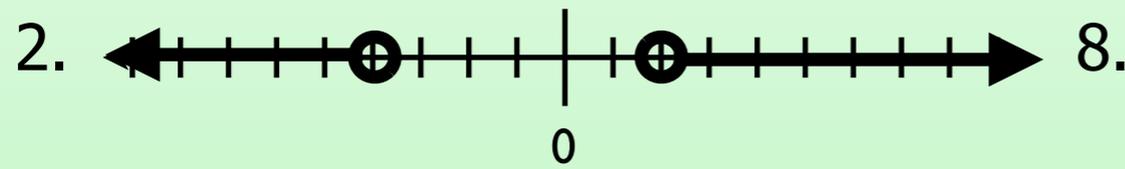
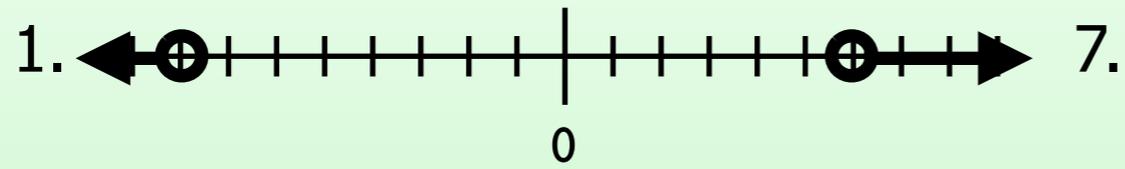
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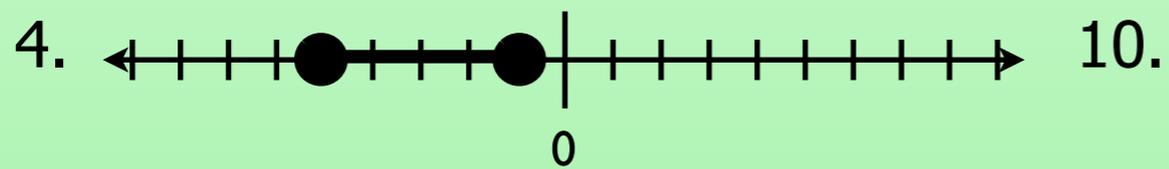
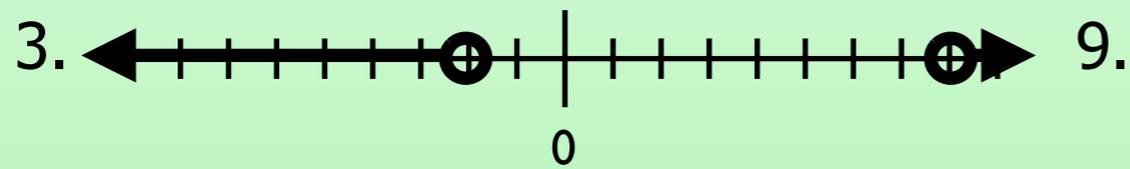
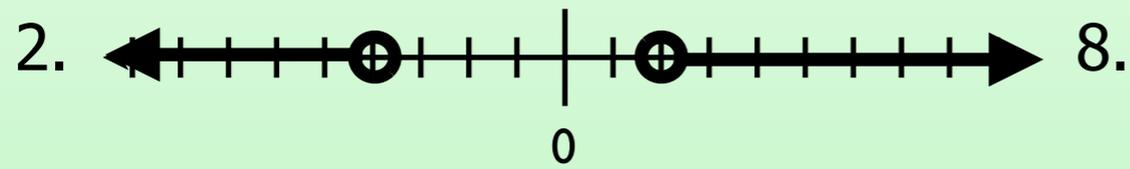
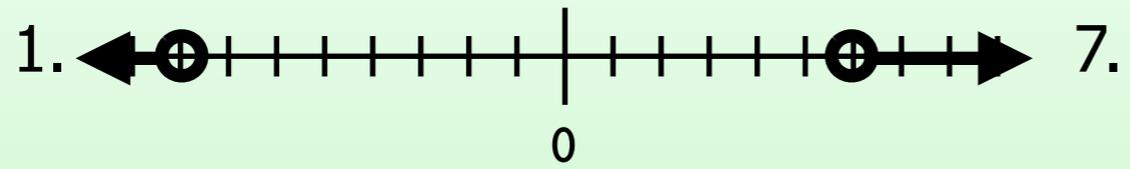


4. 10.

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6. 12.

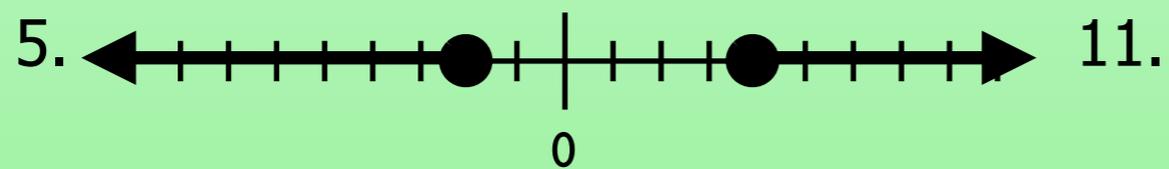
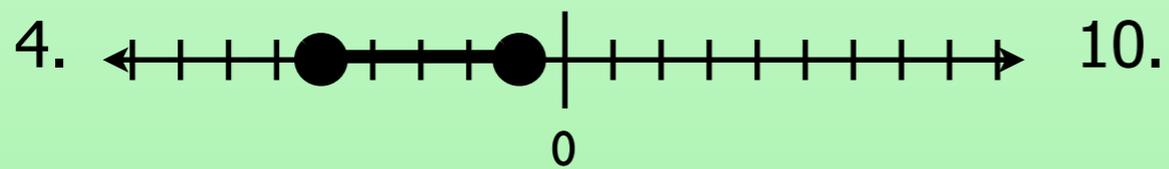
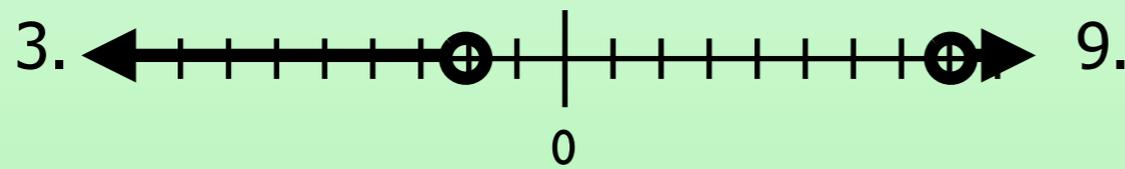
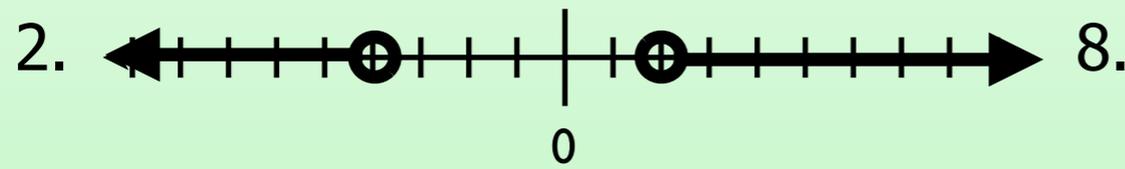
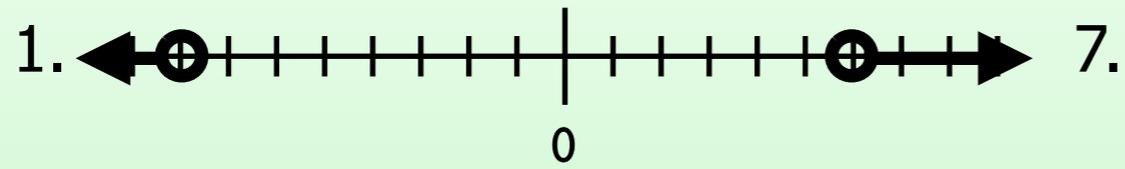
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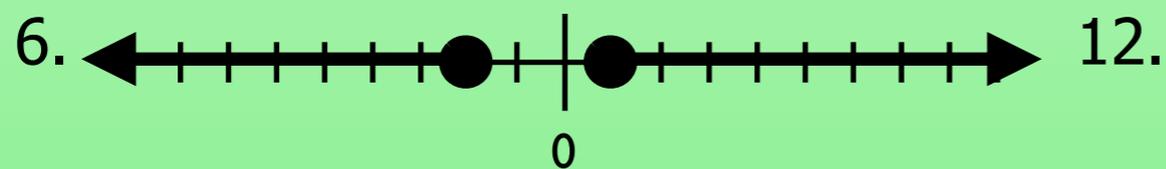
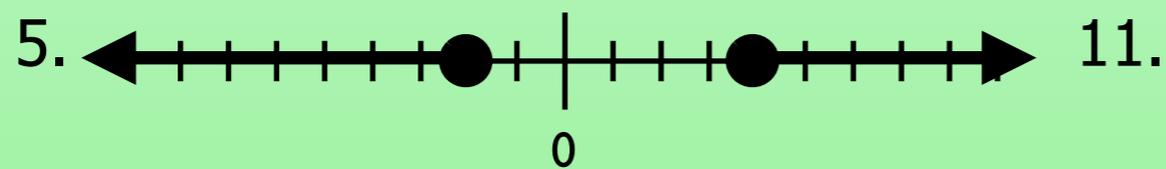
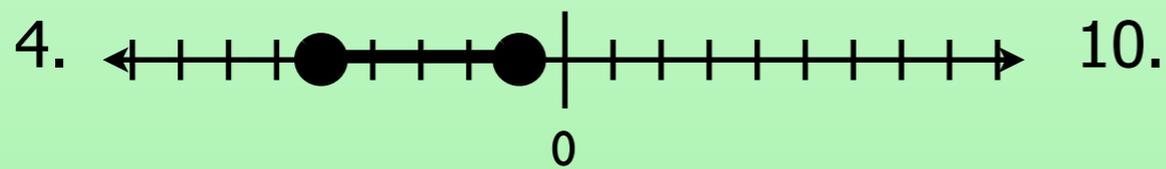
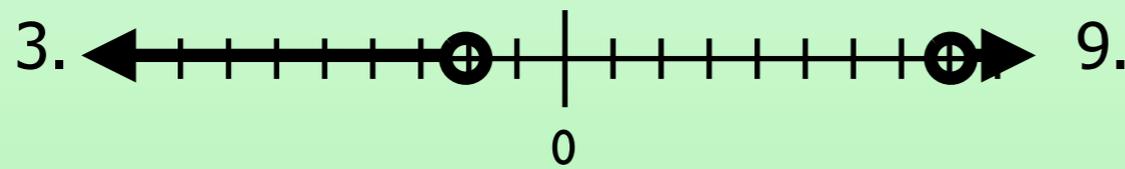
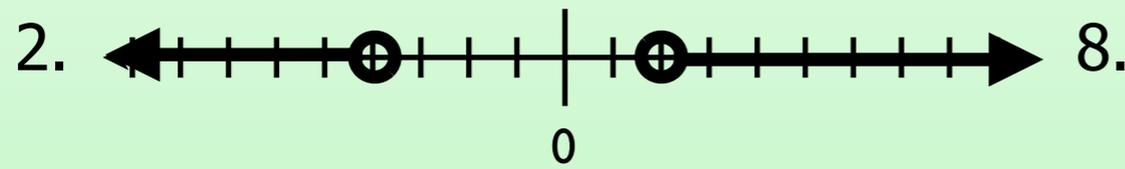
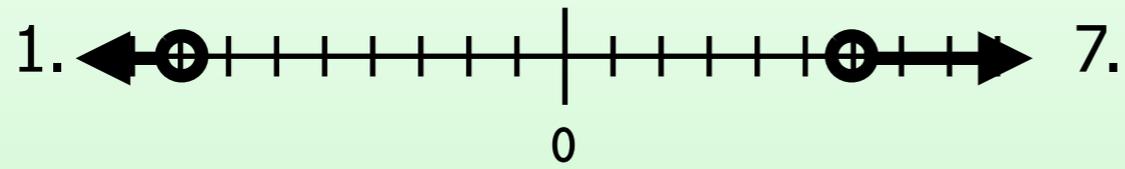
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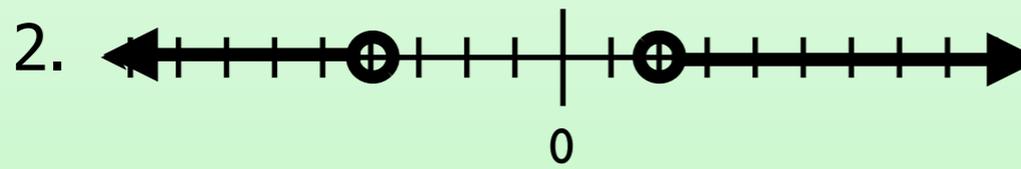
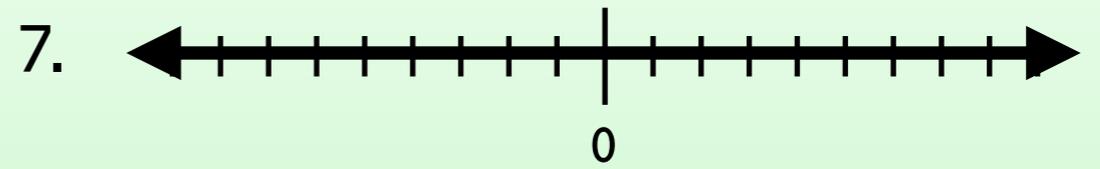
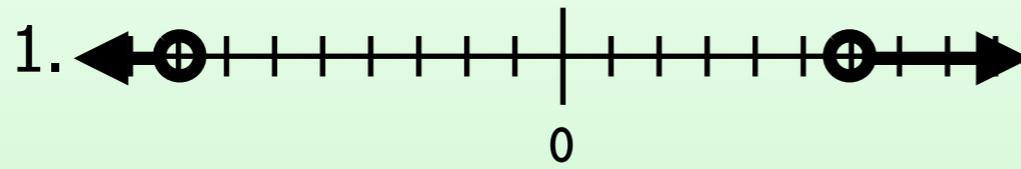
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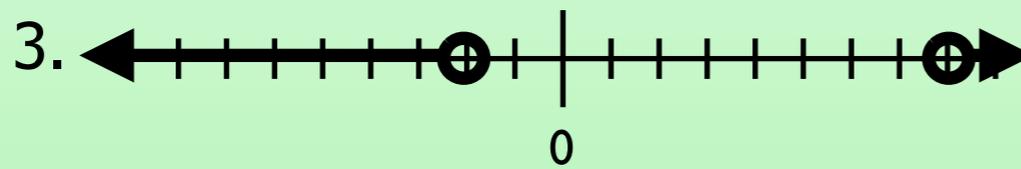
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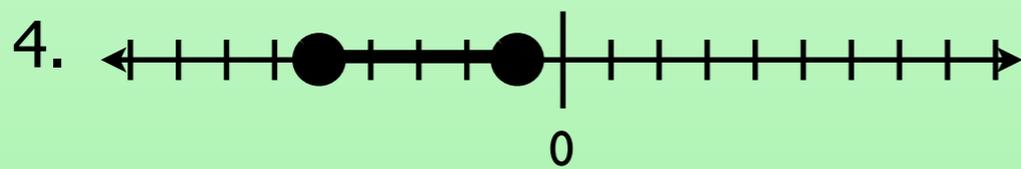
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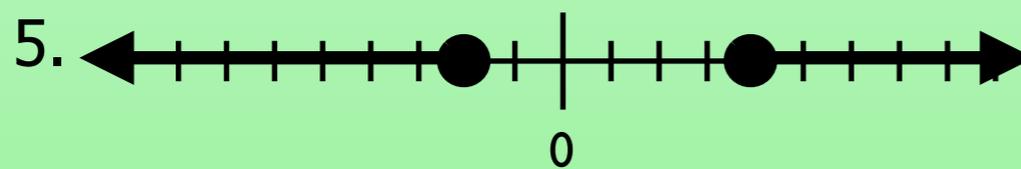
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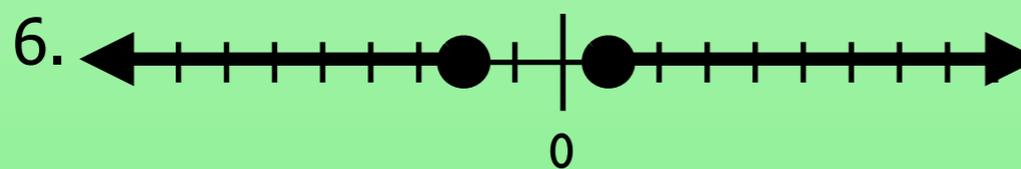
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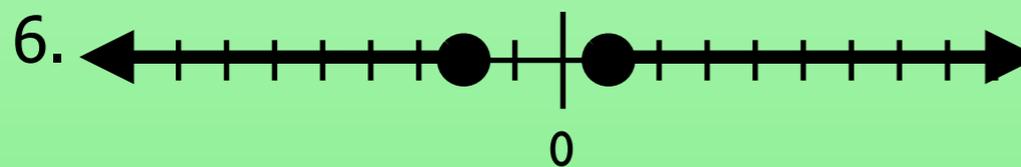
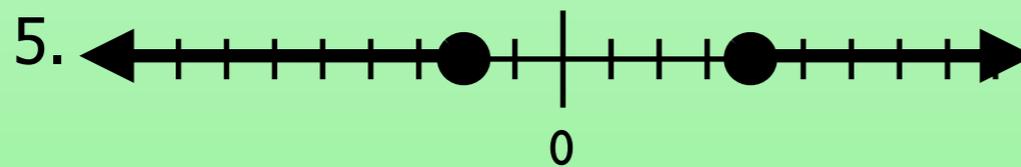
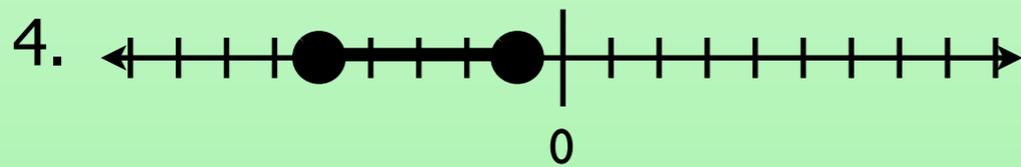
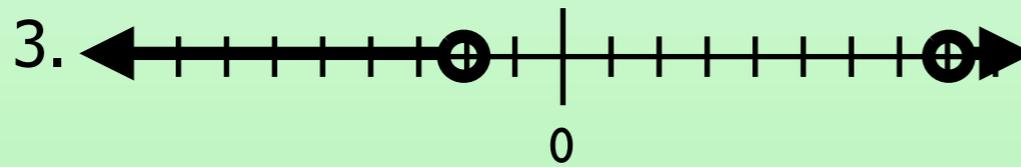
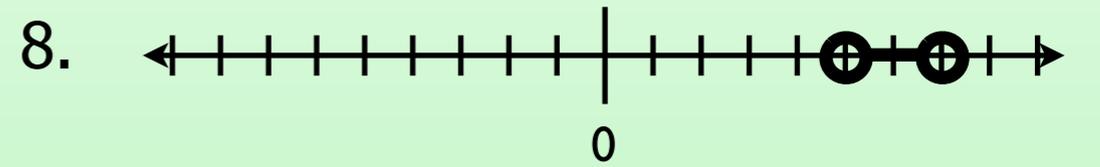
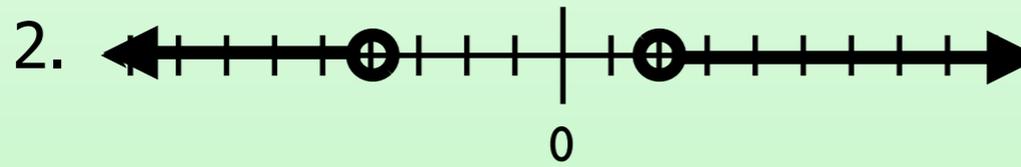
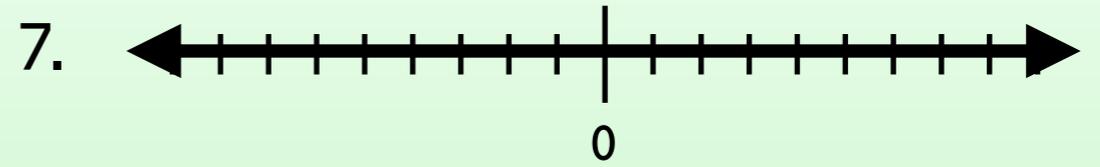
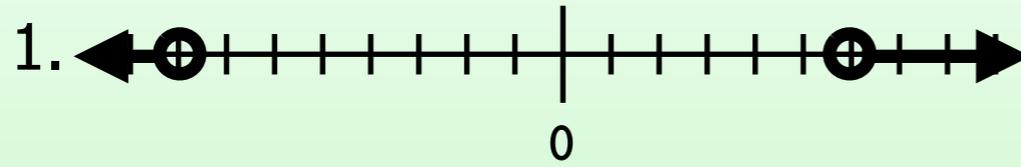


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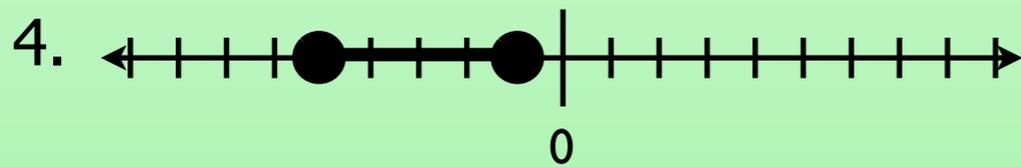
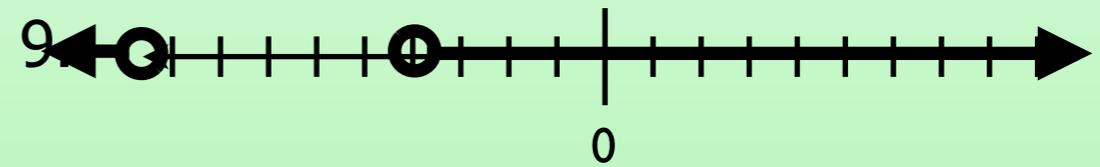
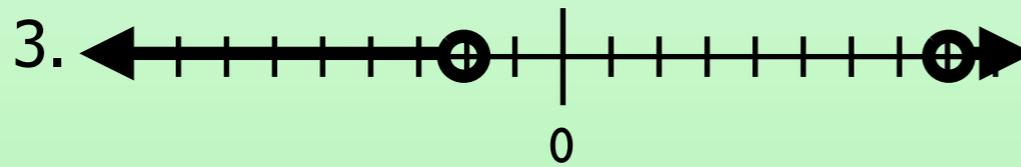
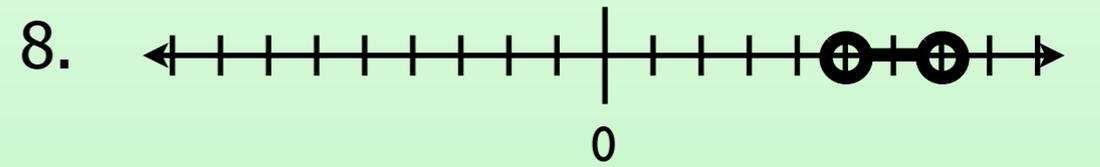
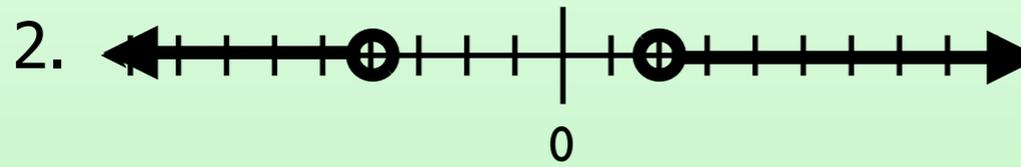
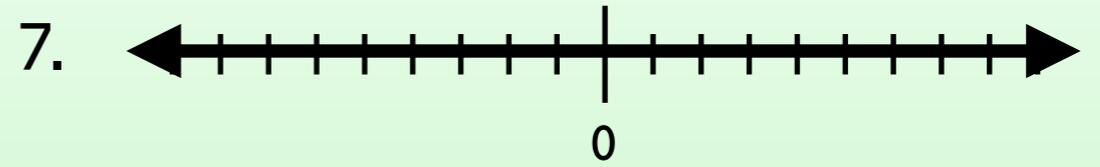
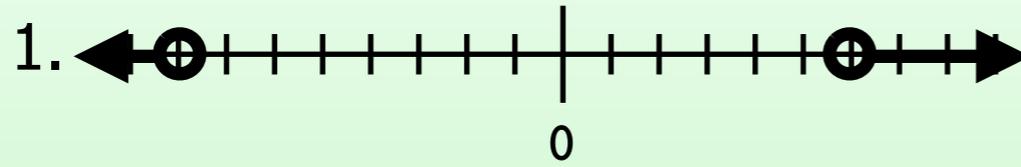


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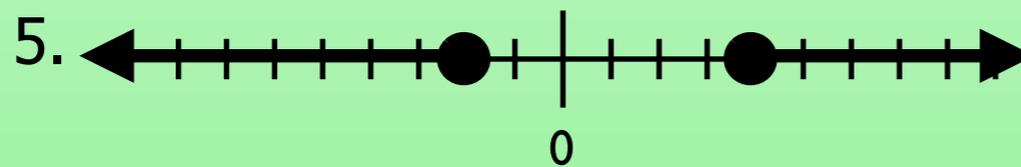
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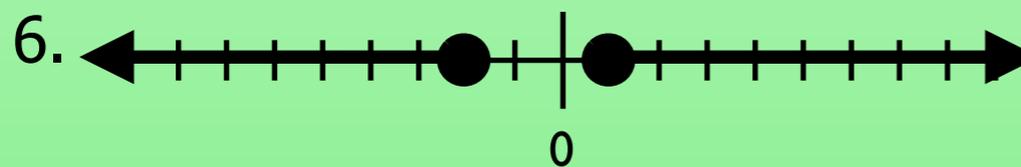
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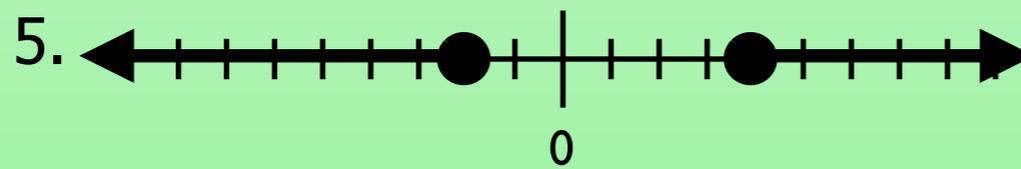
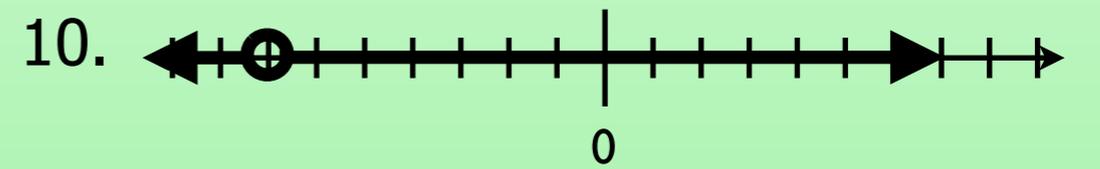
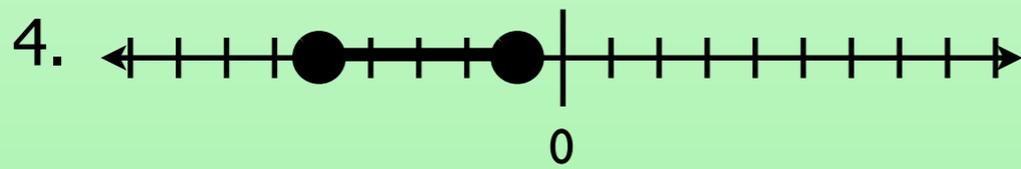
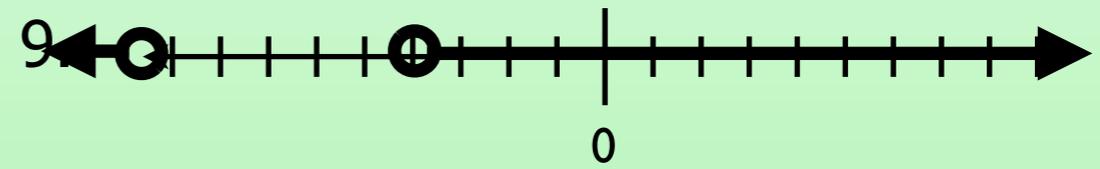
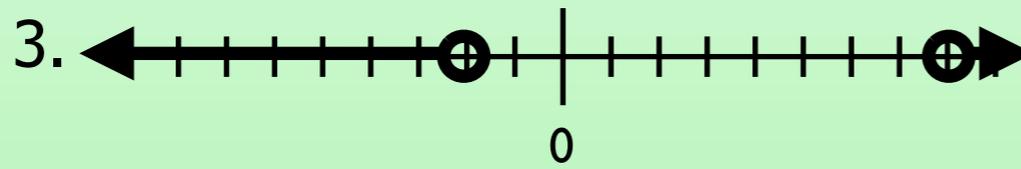
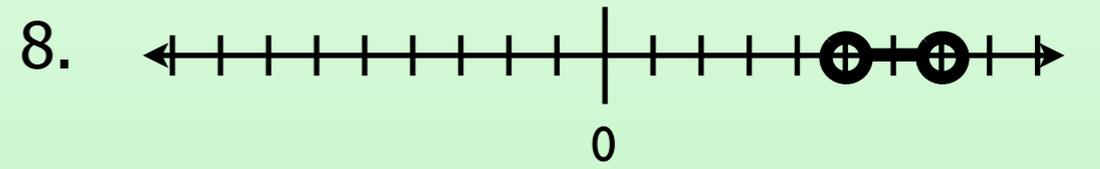
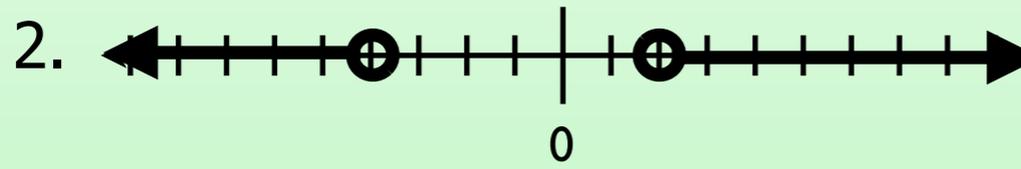
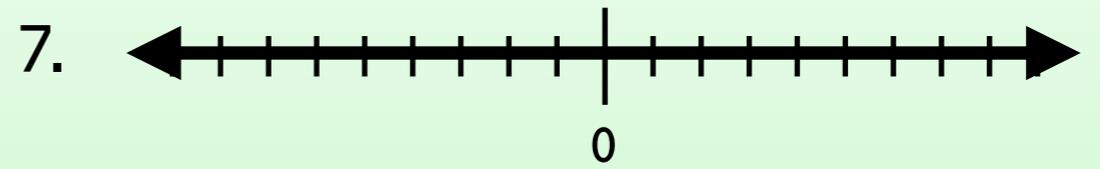
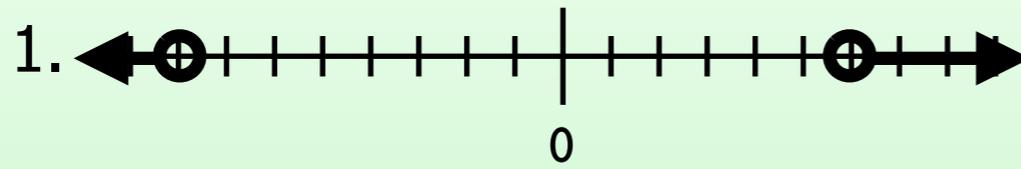


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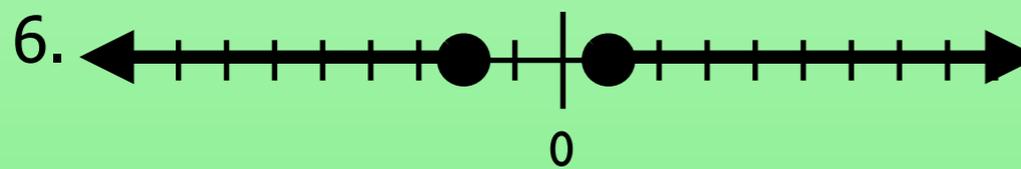


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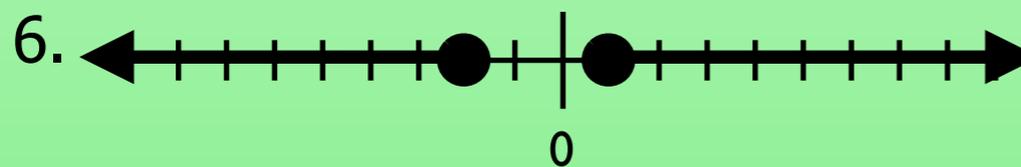
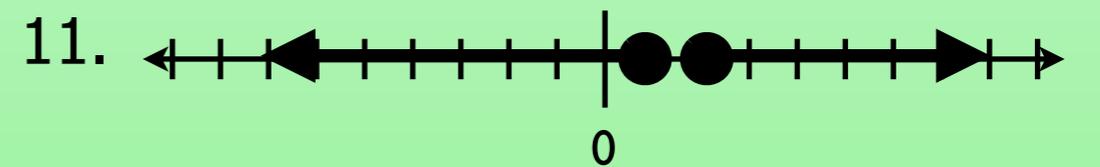
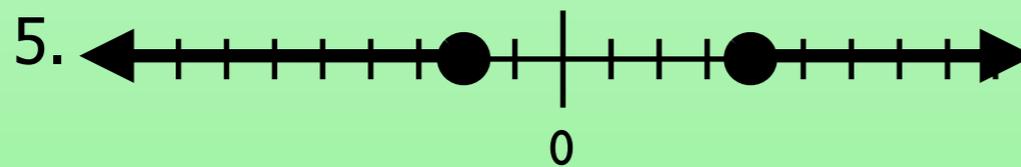
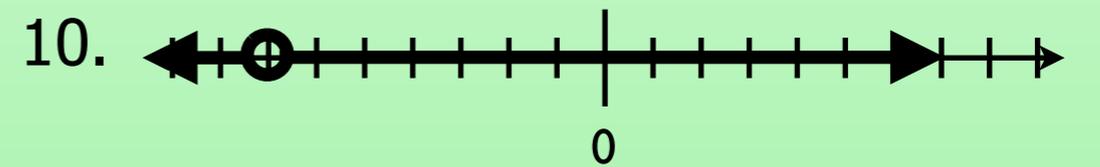
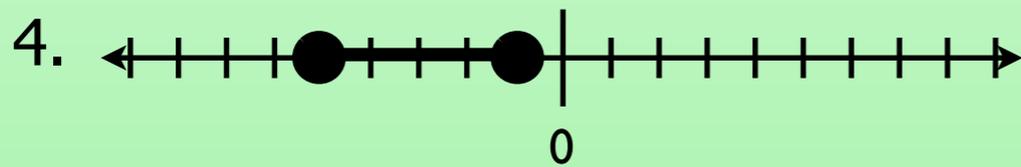
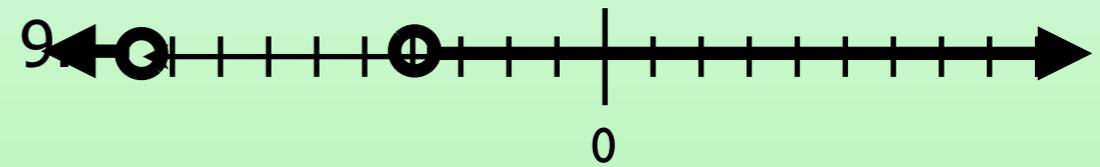
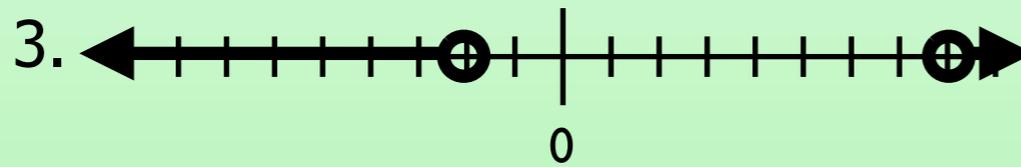
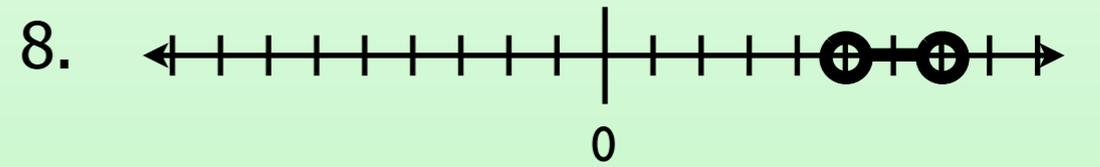
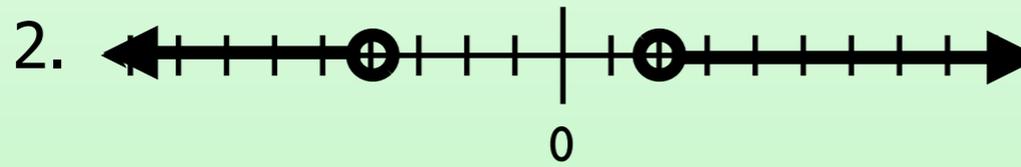
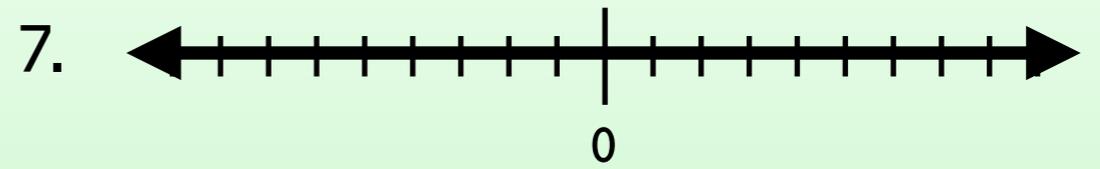
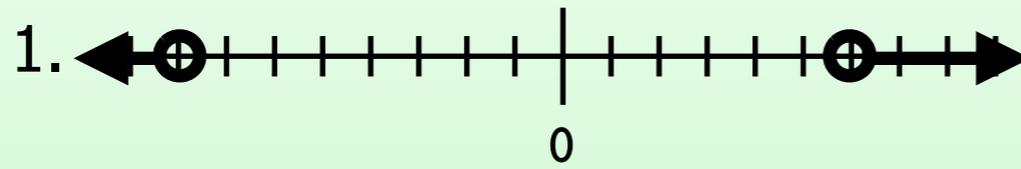


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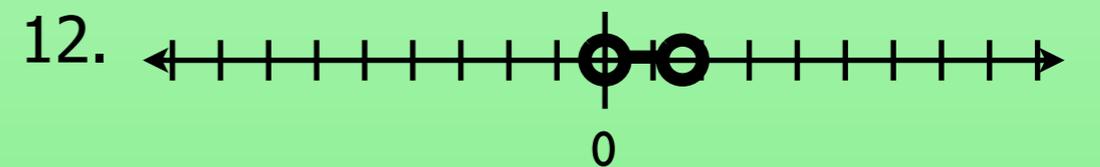
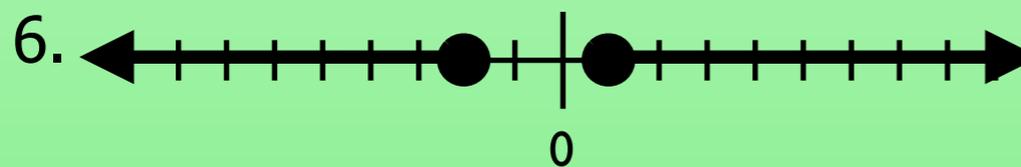
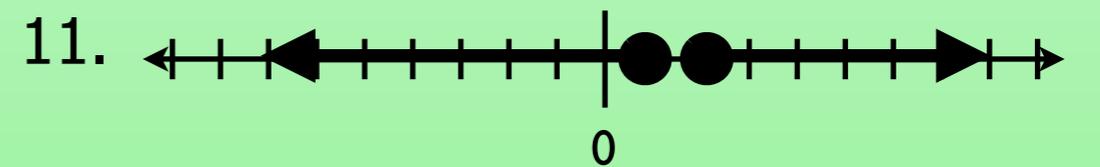
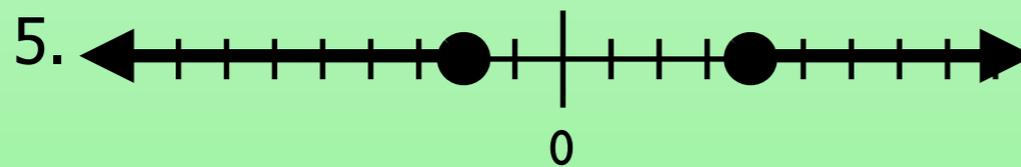
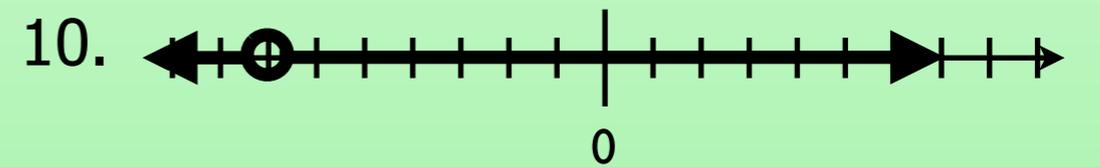
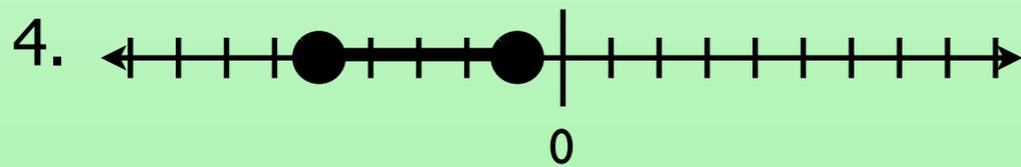
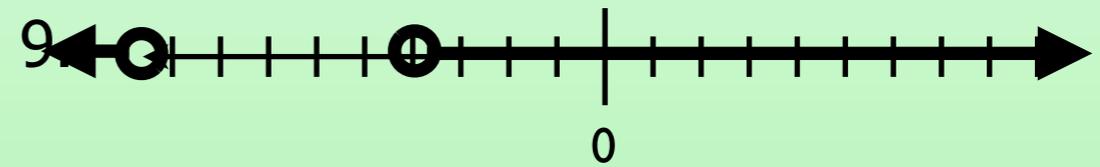
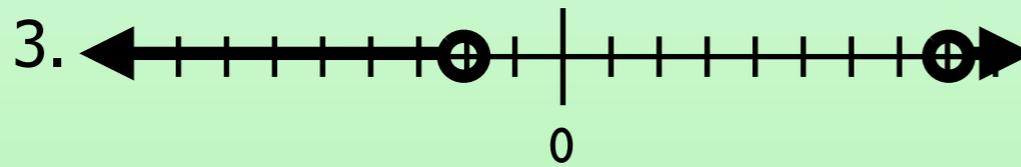
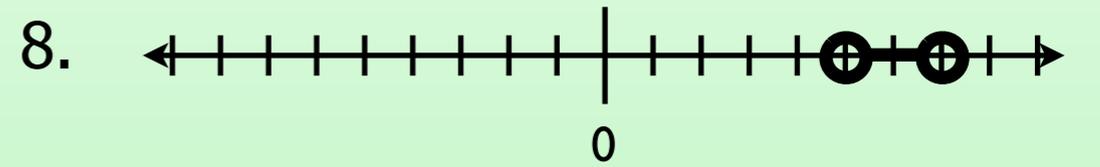
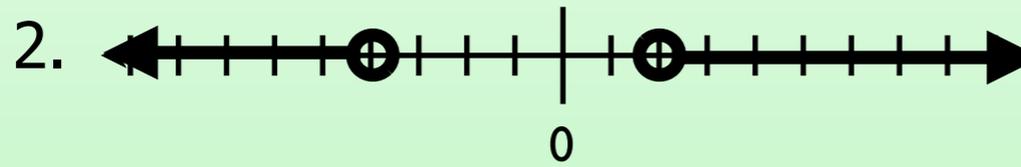
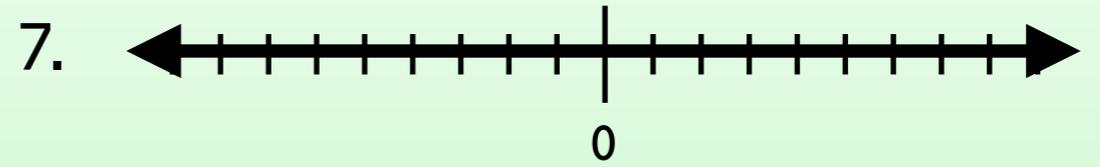
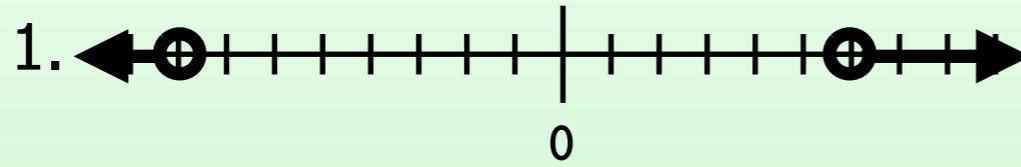


12.

2. Classwork Answers



2. Classwork Answers



3. Break

4. Show and Tell

5. Race Car Review

5. Race Car Review

Solve: $3 - 2x = 11$

5. Race Car Review

Solve: $3 - 2x = 11$

-4

5. Race Car Review

Solve: $3 - 2x = 11$

-4

Solve: $\frac{x + 2}{4} = \frac{9}{2}$

5. Race Car Review

Solve: $3 - 2x = 11$

-4

Solve: $\frac{x + 2}{4} = \frac{9}{2}$

16

5. Race Car Review

Solve: $3 - 2x = 11$

-4

Solve: $\frac{x + 2}{4} = \frac{9}{2}$

16

Solve: $12 = 10 - x$

5. Race Car Review

Solve: $3 - 2x = 11$

-4

Solve: $\frac{x + 2}{4} = \frac{9}{2}$

16

Solve: $12 = 10 - x$

-2

5. Race Car Review

Solve: $3 - 2x = 11$

-4

Solve: $\frac{x + 2}{4} = \frac{9}{2}$

16

Solve: $12 = 10 - x$

-2

Solve: $10 - 3(x + 2) = 2(x + 1) - 3$

5. Race Car Review

Solve: $3 - 2x = 11$

-4

Solve: $\frac{x + 2}{4} = \frac{9}{2}$

16

Solve: $12 = 10 - x$

-2

Solve: $10 - 3(x + 2) = 2(x + 1) - 3$

1

5. Race Car Review

5. Race Car Review

An elephant's heart beats 100 times in 7 minutes. What unit rate would you use to answer the question, "How many minutes would it take to beat 1,000,000 times?"

5. Race Car Review

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167 lawns

5. Race Car Review

An elephant's heart beats 100 times in 7 minutes. What unit rate would you use to answer the question, "How many minutes would it take to beat 1,000,000 times?"

Arnie is paid \$120 to mow 4 lawns. How many lawns will he have to mow before he can afford the \$5000 down payment on a car?

167 lawns

5. Race Car Review

An elephant's heart beats 100 times in 7 minutes. What unit rate would you use to answer the question, "How many minutes would it take to beat 1,000,000 times?"

.07 minutes / beat

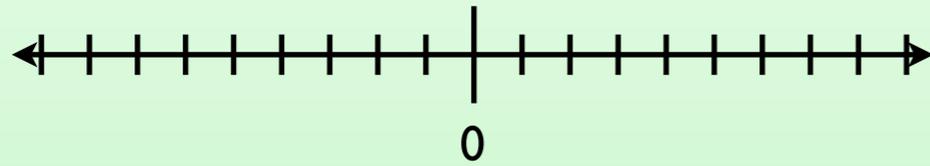
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167 lawns

5. Race Car Review

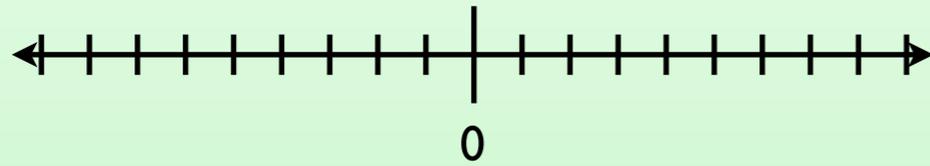
5. Race Car Review

Graph: $-3x + 8 \geq -19$

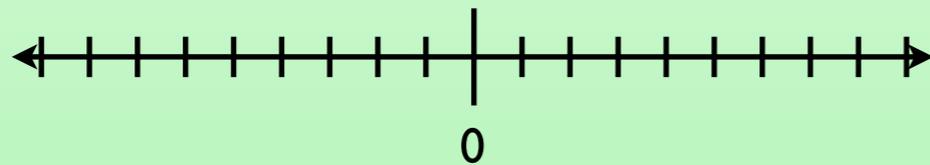


5. Race Car Review

Graph: $-3x + 8 \geq -19$

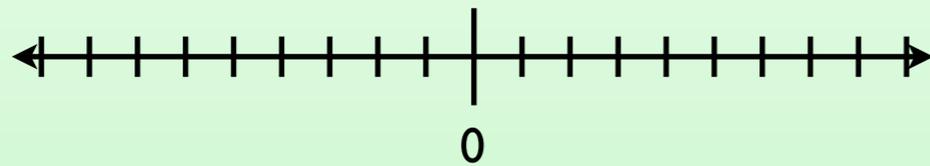


Graph: $-2 < 3x - 2 < 7$

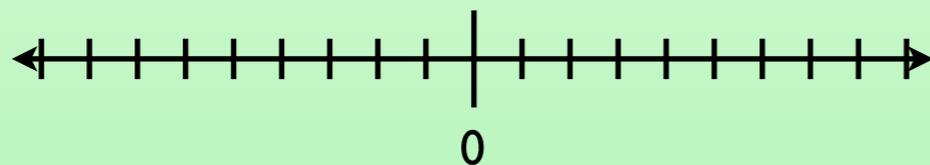


5. Race Car Review

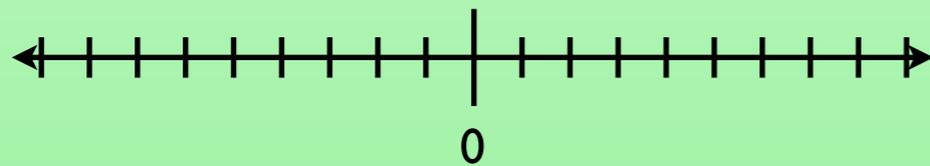
Graph: $-3x + 8 \geq -19$



Graph: $-2 < 3x - 2 < 7$

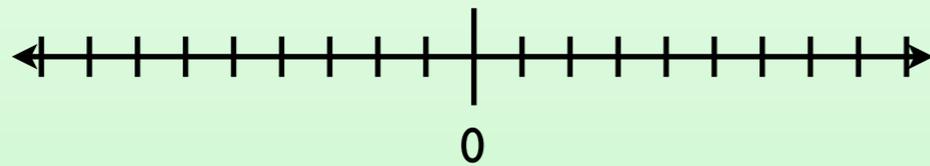


Graph: $|2x - 8| > 10$

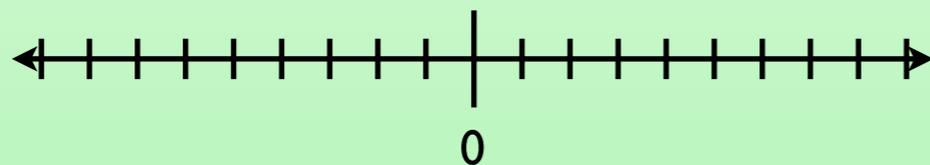


5. Race Car Review

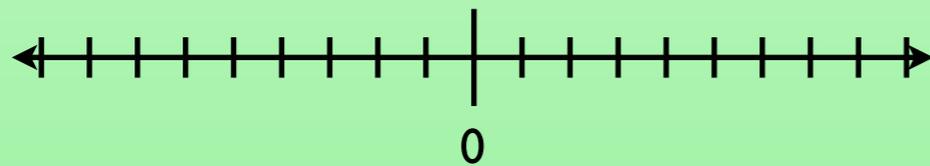
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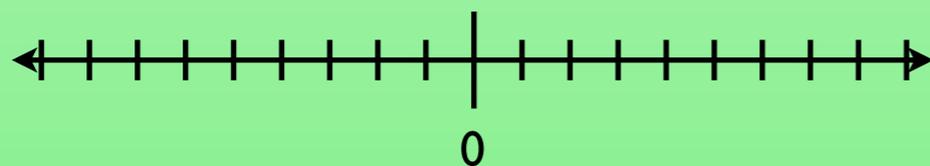
Graph: $-2 < 3x - 2 < 7$



Graph: $|2x - 8| > 10$



Graph: $7 - |x + 4| \geq 3$



5. Race Car Review

5. Race Car Review

Simplify: $1 + 5^2$

5. Race Car Review

Simplify: $1 + 5^2$

26

5. Race Car Review

Simplify: $1 + 5^2$

26

Simplify: $5 - 1^2$

5. Race Car Review

Simplify: $1 + 5^2$

26

Simplify: $5 - 1^2$

4

5. Race Car Review

Simplify: $1 + 5^2$

26

Simplify: $5 - 1^2$

4

Simplify: $5 \cdot 3 + 1$

5. Race Car Review

Simplify: $1 + 5^2$

26

Simplify: $5 - 1^2$

4

Simplify: $5 \cdot 3 + 1$

16

5. Race Car Review

Simplify: $1 + 5^2$

26

Simplify: $5 - 1^2$

4

Simplify: $5 \cdot 3 + 1$

16

Simplify: $5 \cdot (3 + 1)$

5. Race Car Review

Simplify: $1 + 5^2$

26

Simplify: $5 - 1^2$

4

Simplify: $5 \cdot 3 + 1$

16

Simplify: $5 \cdot (3 + 1)$

20

6. Concept Quiz

7. Homework

Practice

$$5 - |x + 3| > 10$$

Challenge

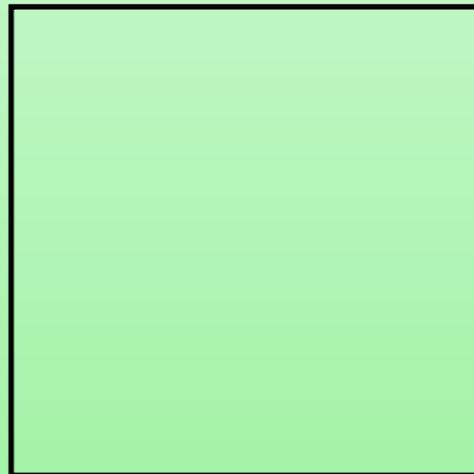
$$5 - |2x + 3| > 10$$

Day 24

1. Opener

- a) Graph: $18 < -7x + 4$
- b) Graph: $|5x - 7| \leq 18$
- c) It costs 45 cents to run a 60 watt lightbulb for 35 minutes. How much would it cost to run the lightbulb for an hour?
- d) The perimeter of this square is 32. Solve for x .

$$3x - 10$$



- e) What is the average number of M&Ms eaten in one sitting by a person with a 1-pound bag of the candy. What about with a 2-pound bag?

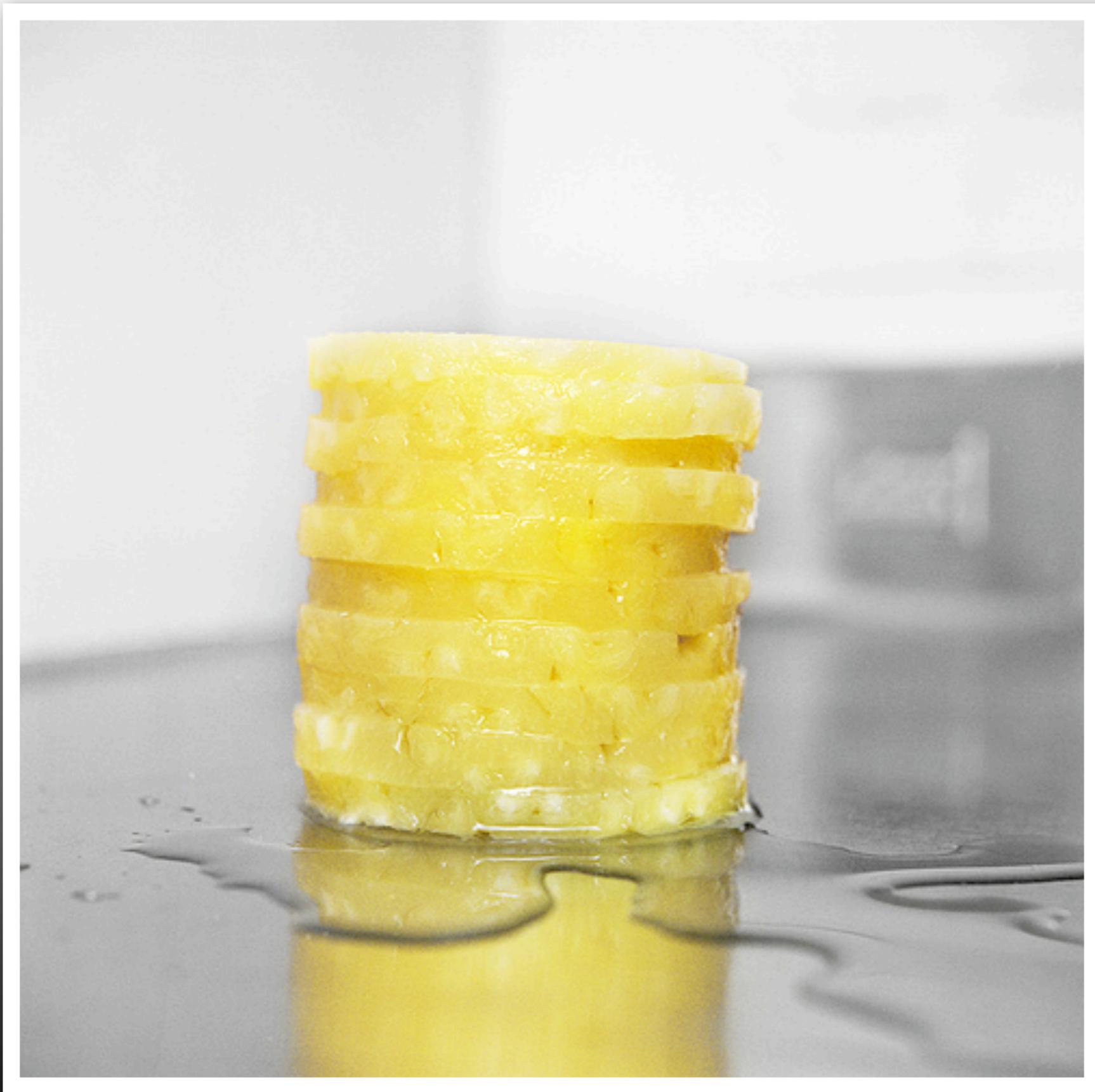
6. Homework

Practice

$$5 - |x + 2| < 1$$

Challenge

$$5 - |2x - 3| < 0$$



















2. Proportions Worksheet

3. Review

pg. 167 // #6 - 16

pg. 168 // #41 - 49

pg. 172 // #14 - 21

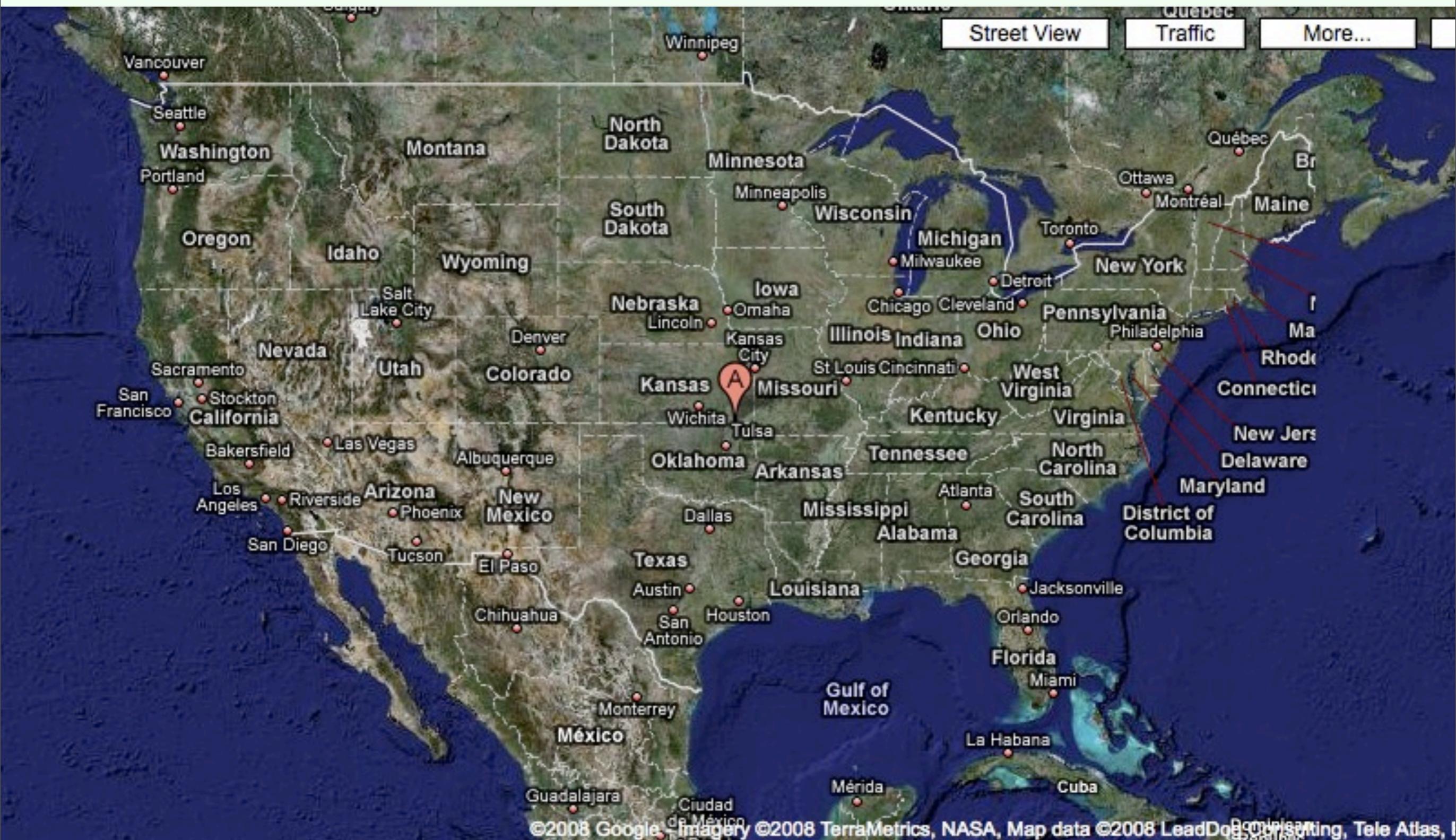
4. Break

5. Show and Tell



Street View

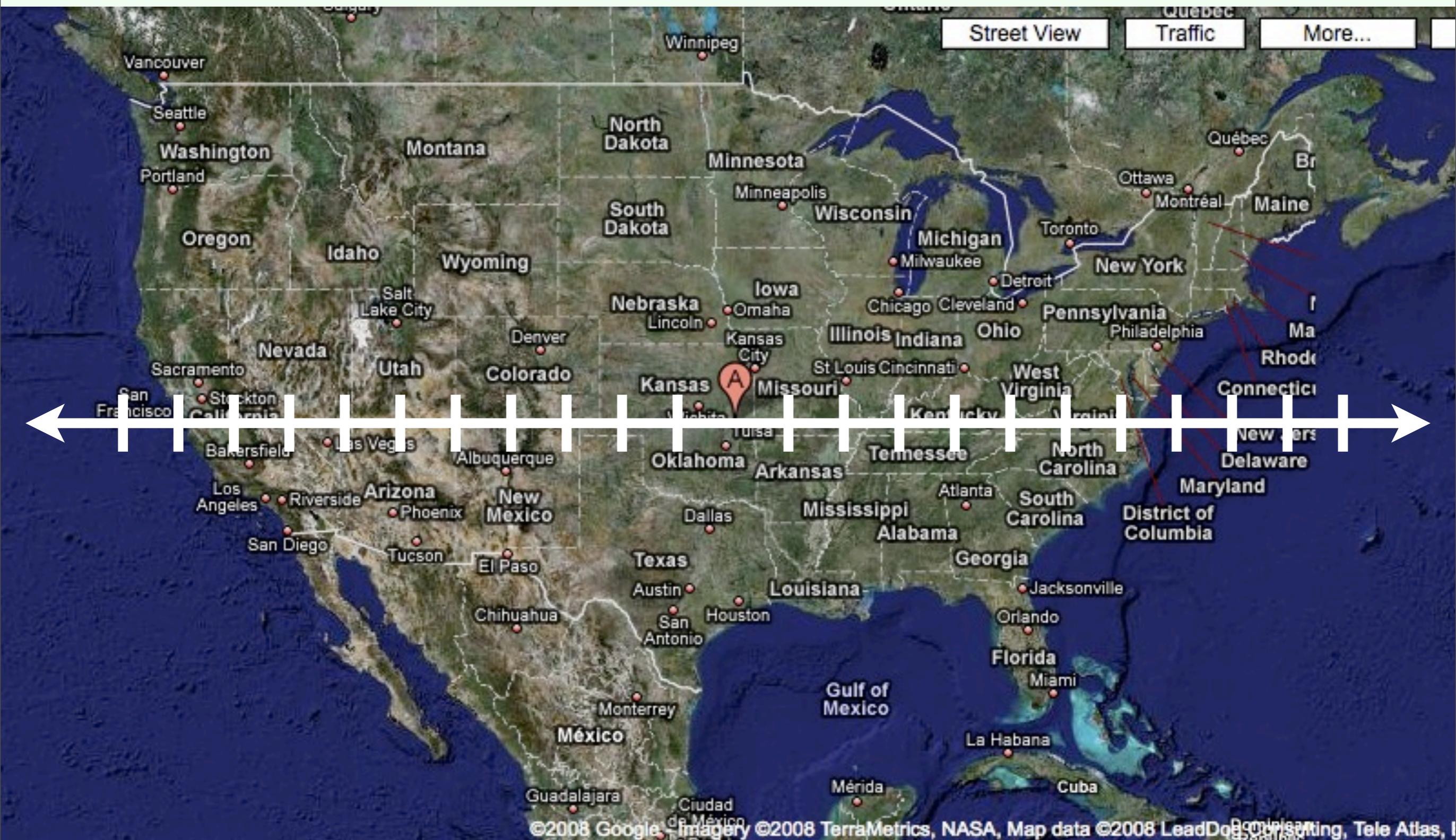
More...



Street View

Traffic

More...



Street View

Traffic

More...

A



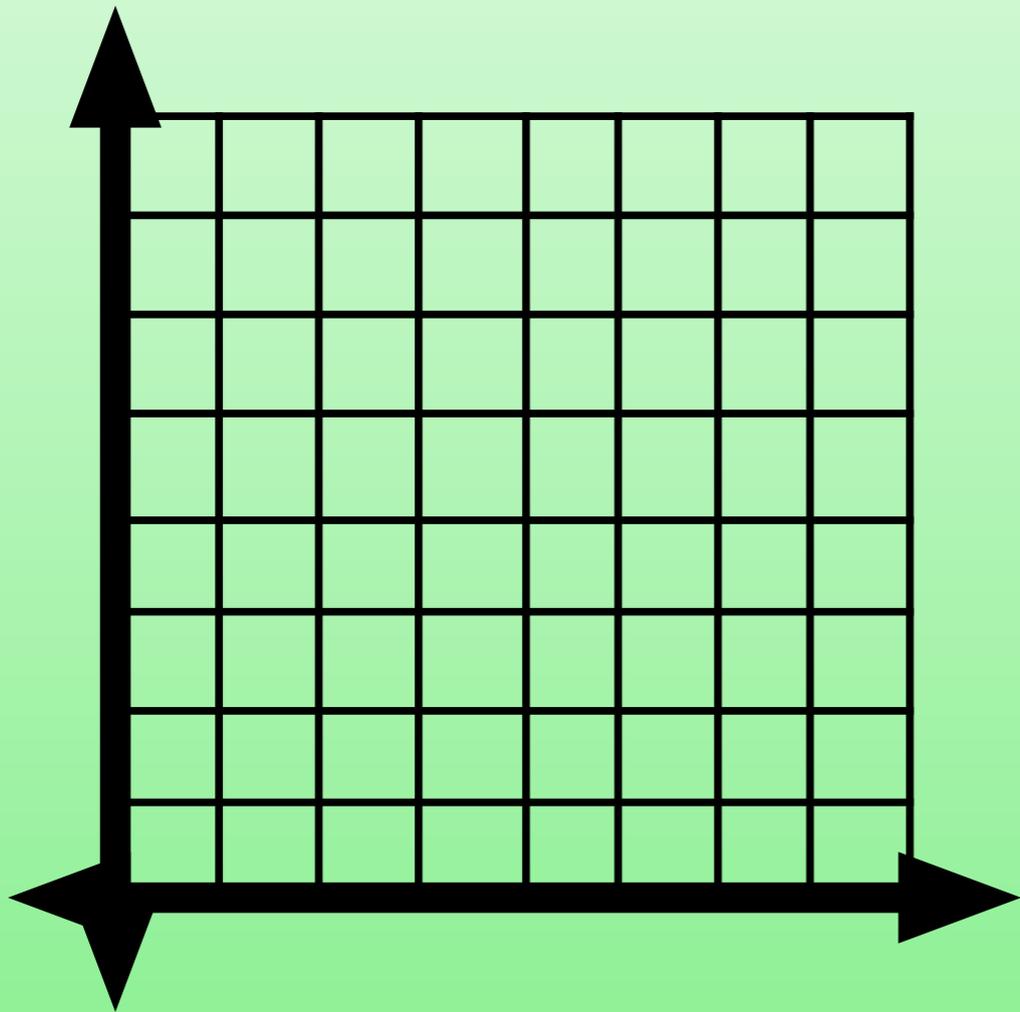
Street View

Traffic

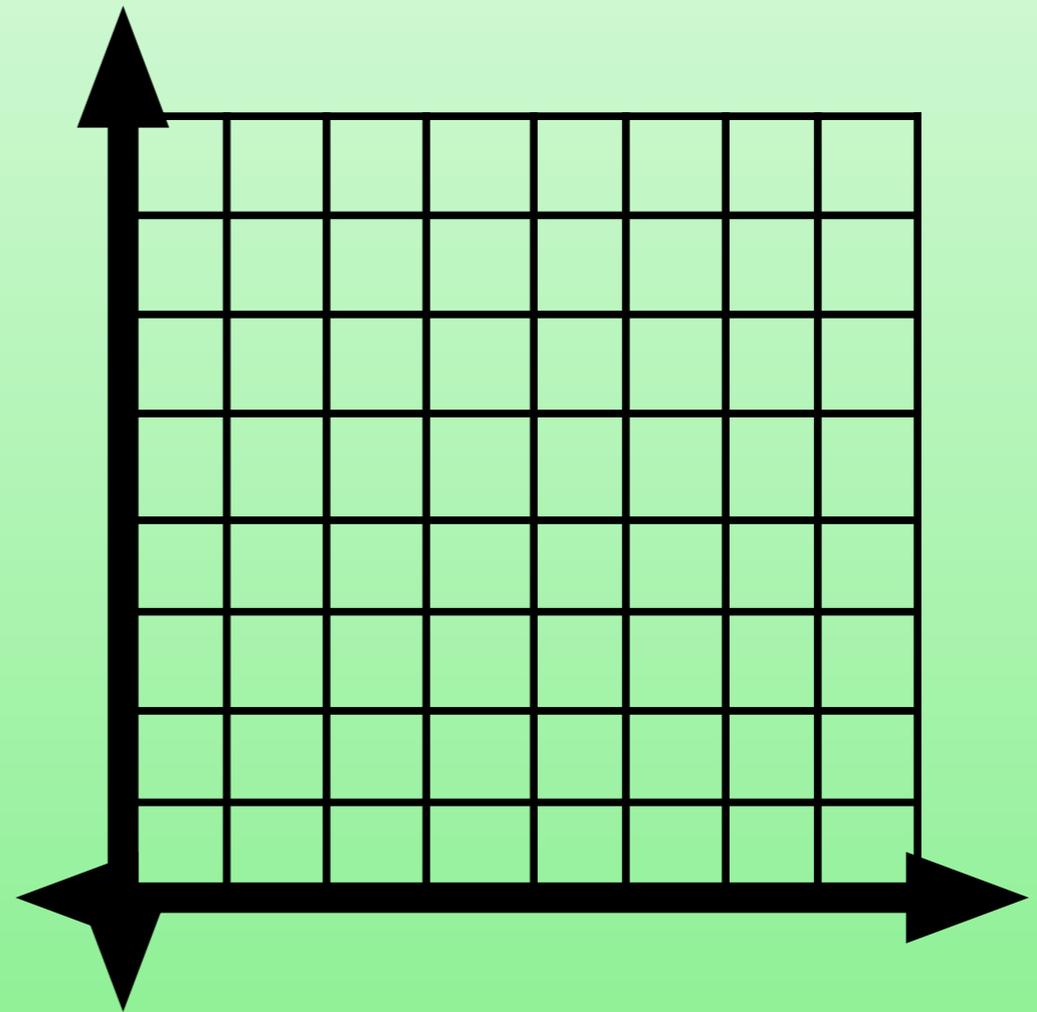
More...

6. Battleship!

Your Ships

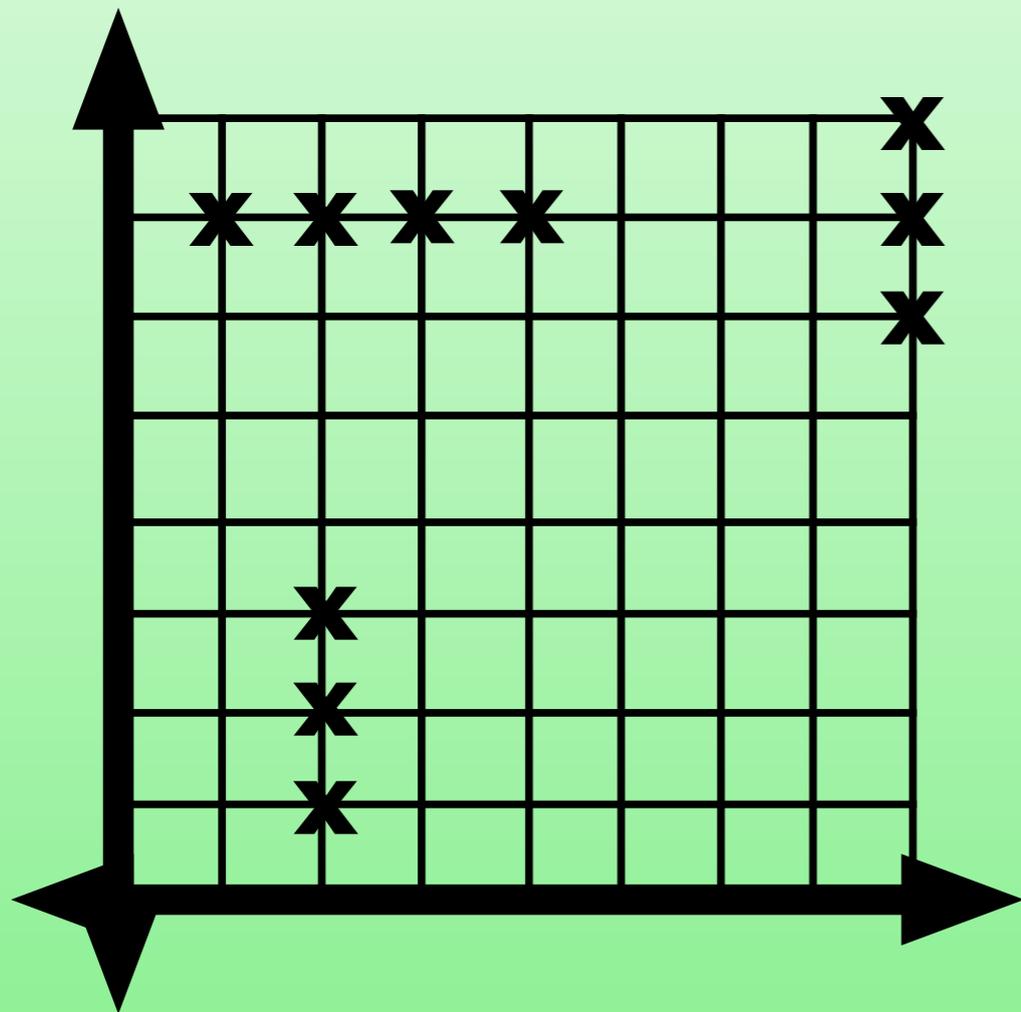


Your Enemy's Ships

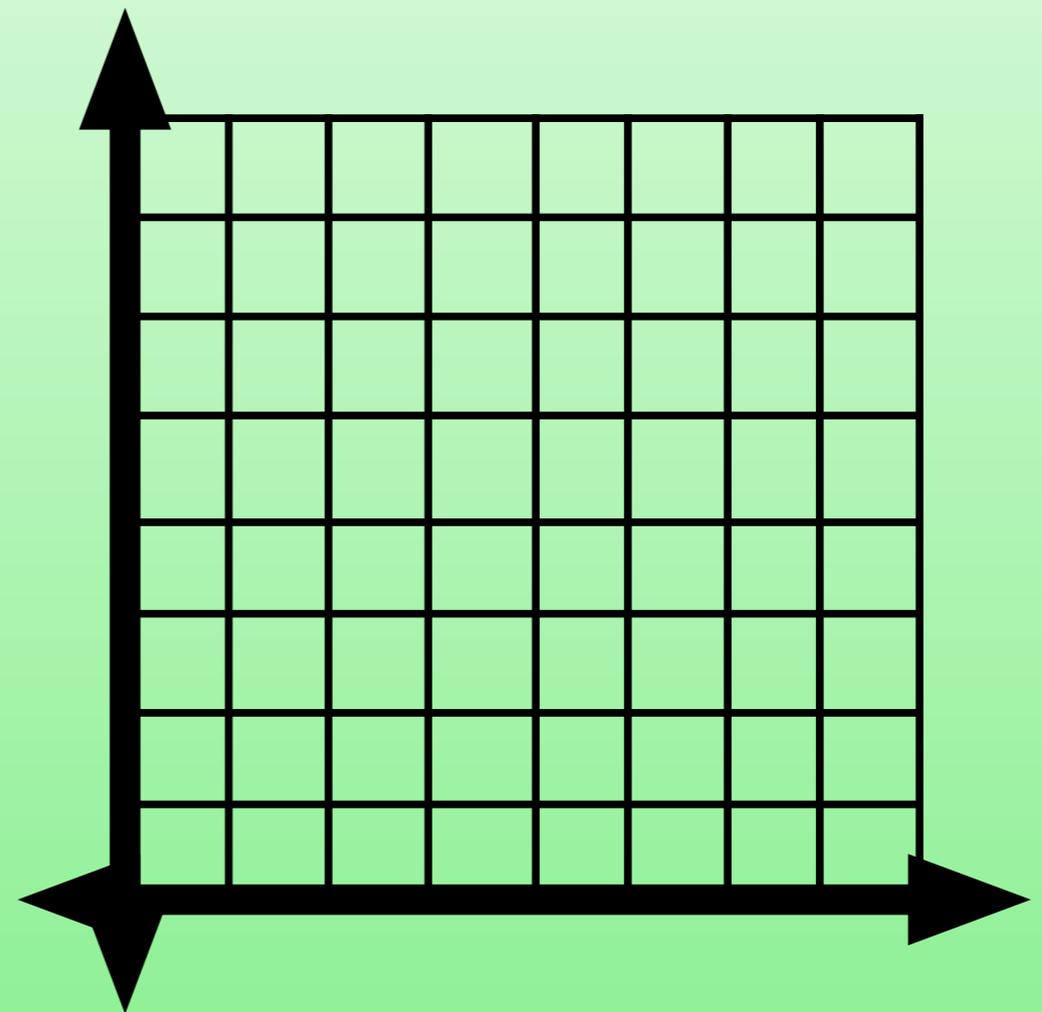


6. Battleship!

Your Ships

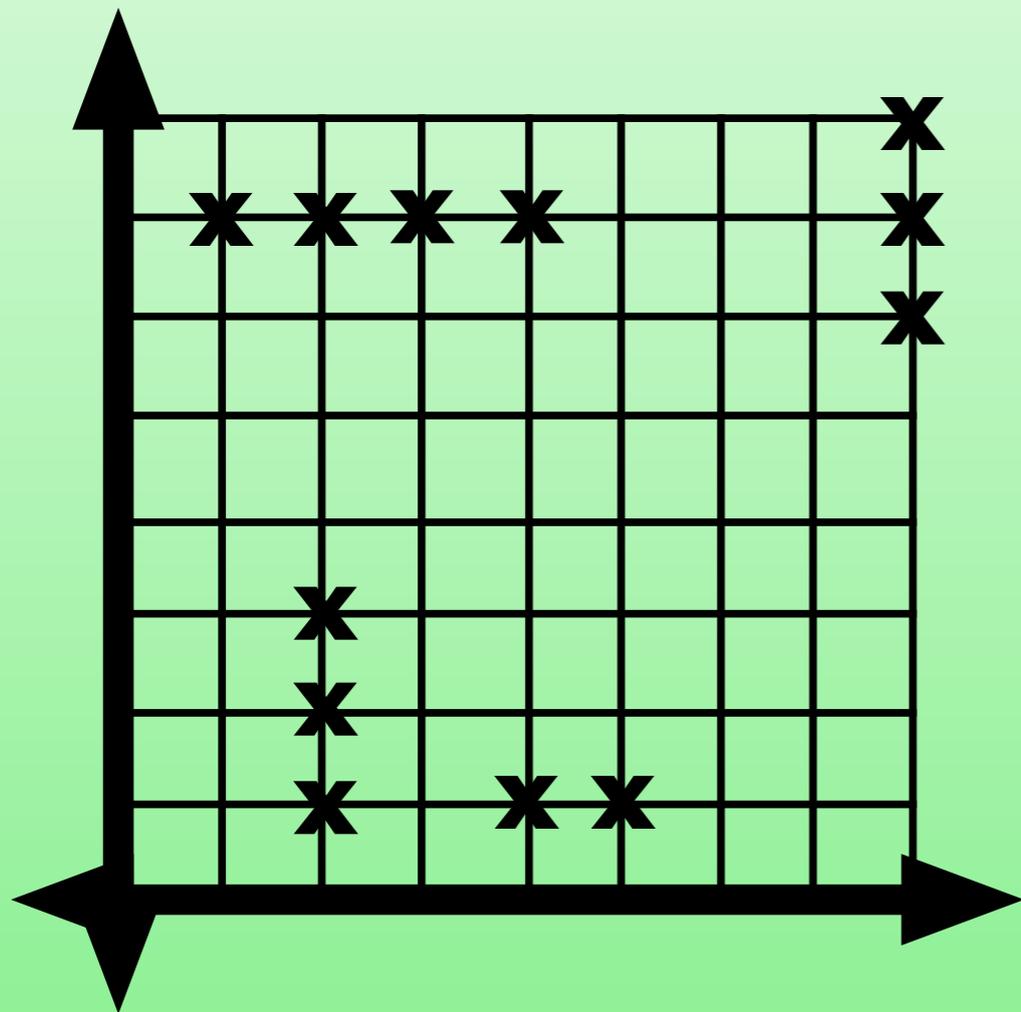


Your Enemy's Ships

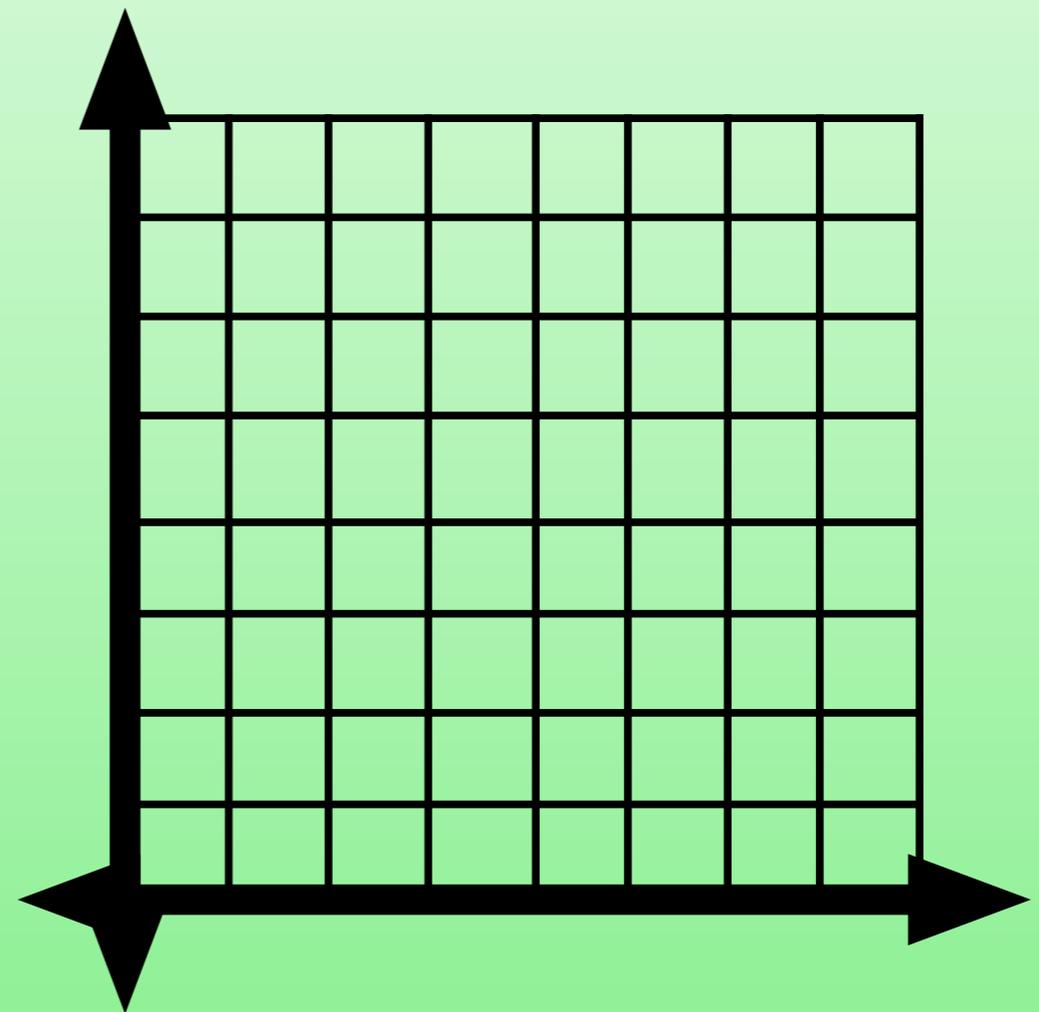


6. Battleship!

Your Ships

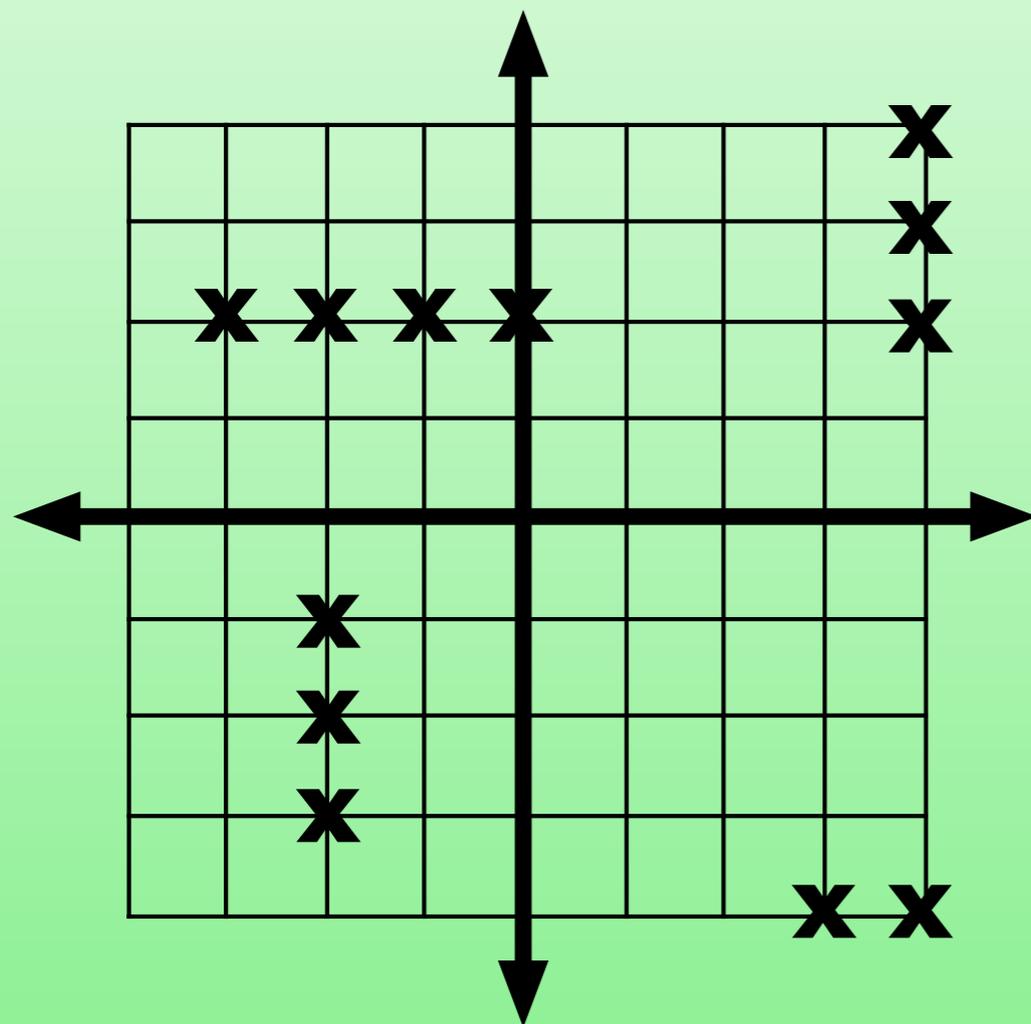


Your Enemy's Ships

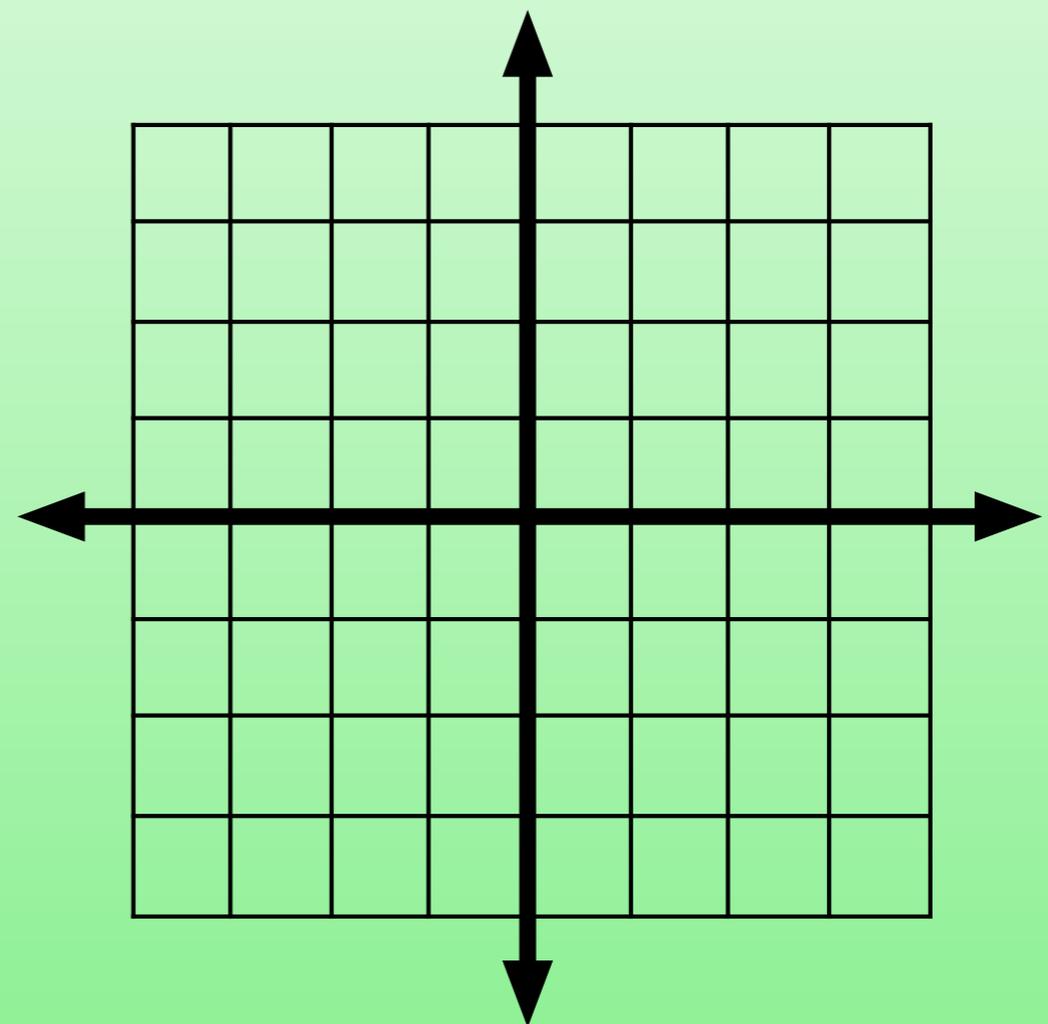


6. Battleship!

Your Shots



Your Enemy's Shots



7. Concept Quiz

8. Homework

Practice

Where is the Earth's x-axis?

Where is the Earth's y-axis?

Where is our school's coordinate?

Challenge

Where is the Earth's x-axis?

Where is the Earth's y-axis?

Where is our school's coordinate?