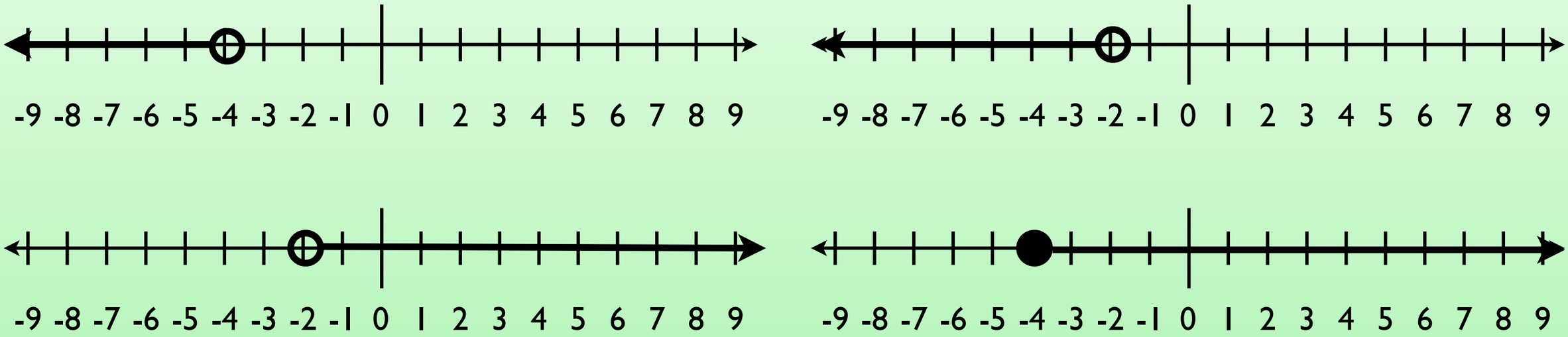
Day 19

1. Opener

a) Which of these, if any, is the graph of: $x - 1 < -3$



b) Solve: $3 - 2(x + 3) = 12 + 5(2x + 9)$

c) Graph: $2x - 5 \leq 11$

d) What did America do to honor Alexander Graham Bell at his funeral?

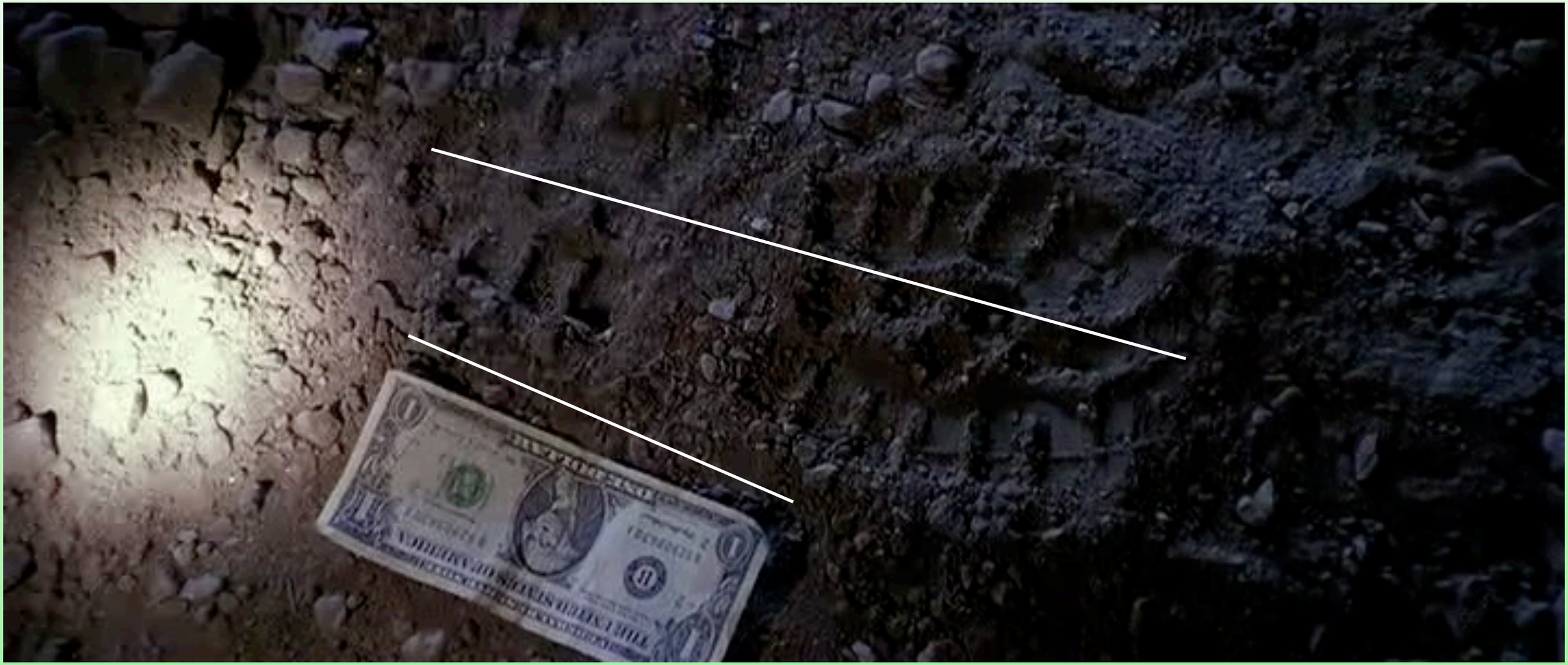
6. Homework

Practice

Bone Collector

Challenge

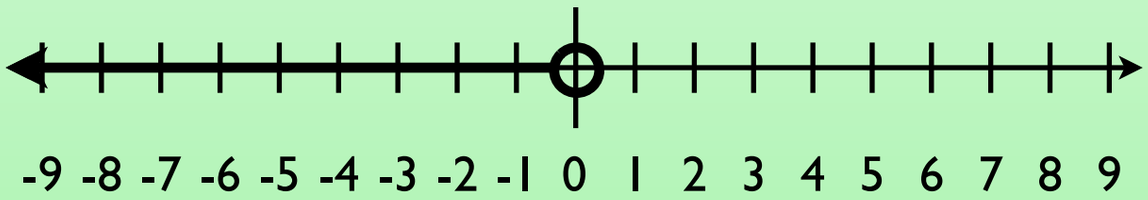
Bone Collector



SHOE SIZE	INCHES
6	9.31
6.5	9.5
7	9.69
7.5	9.81
8	10
8.5	10.19
9	10.31
9.5	10.5
10	10.69
10.5	10.81
11	11
11.5	11.19
12	11.31
12.5	11.5
13	11.69
13.5	11.81
14	12
14.5	12.19
15	12.31

#1

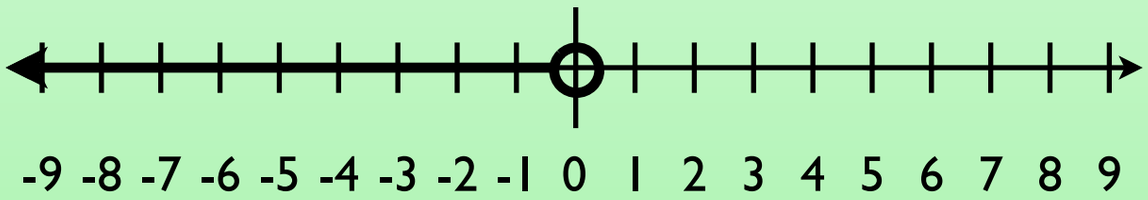
What is the inequality for this graph?



#2

#1

What is the inequality for this graph?



x < 0

#2

#1

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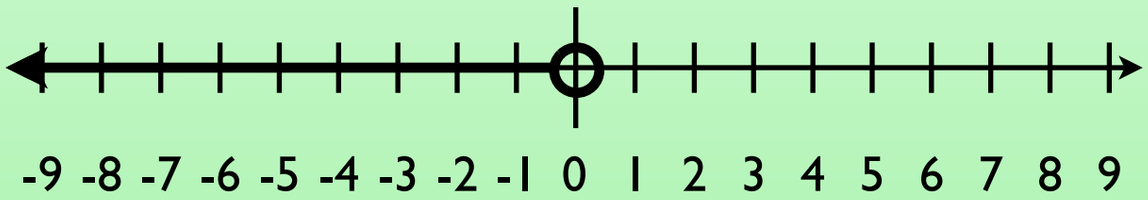

x < 0

#2

write an inequality describing the age you're legally allowed to drink

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a ≥ 21

#3

Graph:

$2x - 3 > 9$

#3

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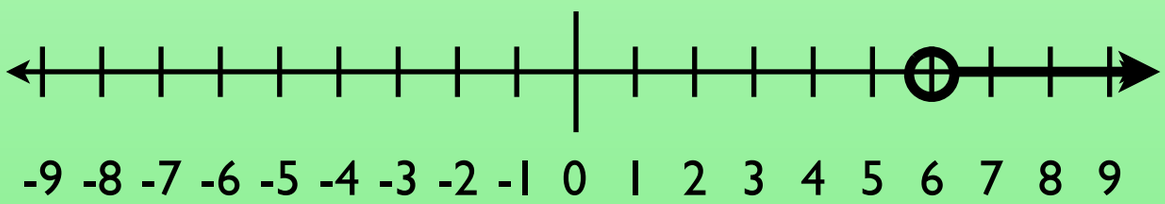

#4

Matt Bogdanowicz performed 522 pull-ups in 60 minutes. How many could he perform in 7 minutes? Use proportions and unit rates.

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60.9 pull ups

#5

If you are under 35 years old, you can't be President. Write this as an inequality.

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$a \geq 35$

#6

What property says that:

$2 \cdot 6 = 6 \cdot 2$

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$2 \cdot 6 = 6 \cdot 2$

commutative (mult.)

#7

Give a counterexample for the statement:

“all rational numbers are integers.”

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#8

Solve:

$$10 - 5(2x + 10) = 5(x - 2)$$

#8

Solve:

$$10 - 5(2x + 10) = 5(x - 2)$$

-2

#9

Give a counterexample for the statement:

“if you can divide a number by 6, you can divide it by 3.”

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#10

An octopus can grow to be up to 10 feet long. Write this fact as an inequality.

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$d \leq 10$

#11

10 baseball players can eat 55 pancakes. How many players would it take to eat 178 pancakes? Use unit rates.

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10 baseball players can eat 55 pancakes. How many players would it take to eat 178 pancakes? Use unit rates.

32.4 players

#12

You must read at least 25 pages this weekend. Write this as an inequality.

#12

You must read at least 25 pages this weekend. Write this as an inequality.

$p \geq 25$

#13

Starbucks charges $2.50 per tea. What is their profit?

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Day 20

1. Opener

a) Starbucks charges $2.50 for Numi tea. What is their profit?

b) Graph: $2x - 7 > 5x - 4$

c) What is the deadliest job in America?

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6. Homework

Practice

Challenge

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MIKE TYSON

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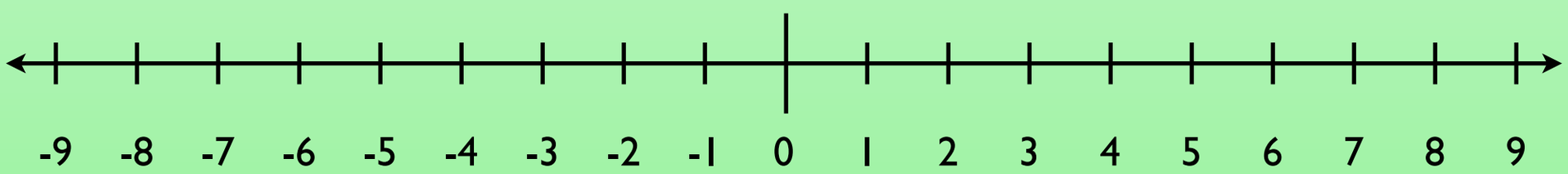
2. Inequalities

$$x > -3$$



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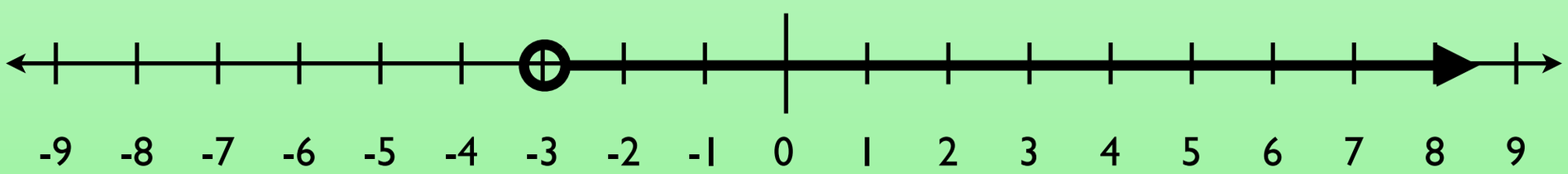
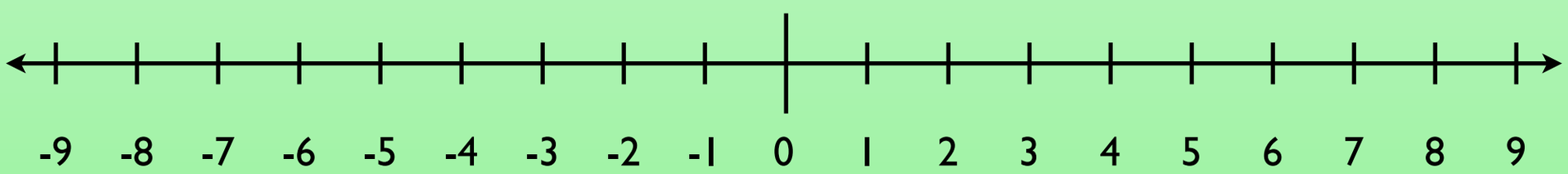


2. Inequalities

$$5x - 10 > 25$$



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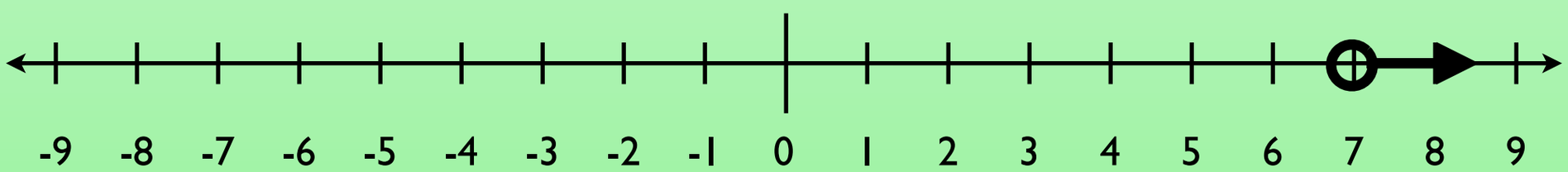

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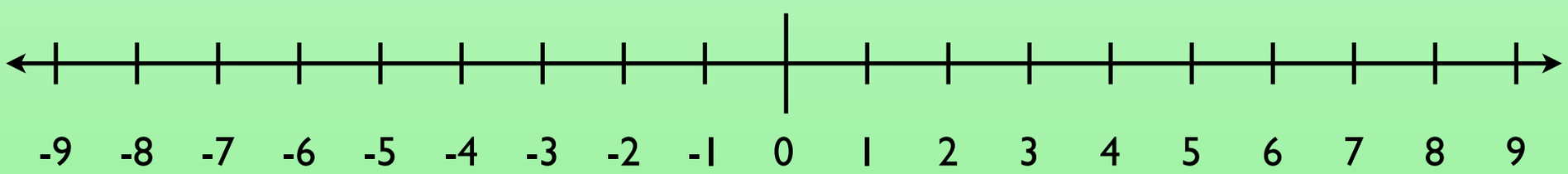

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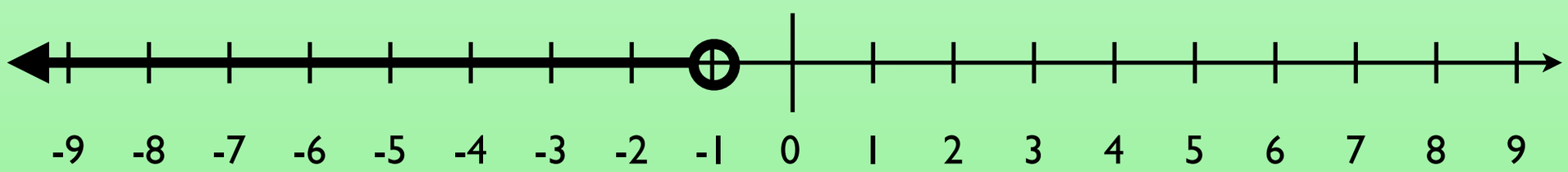
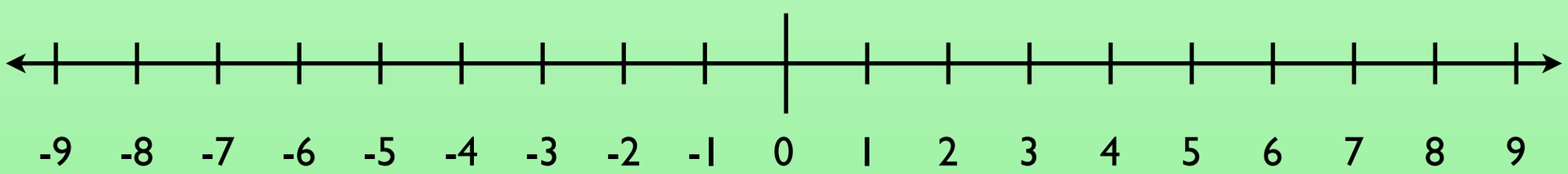


2. Inequalities

$$-2x < 10$$



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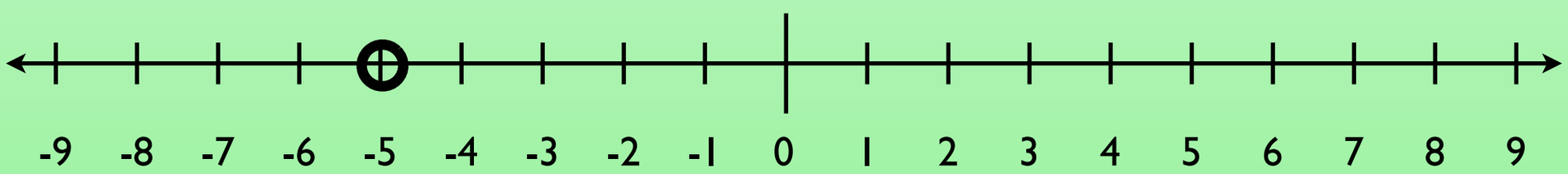

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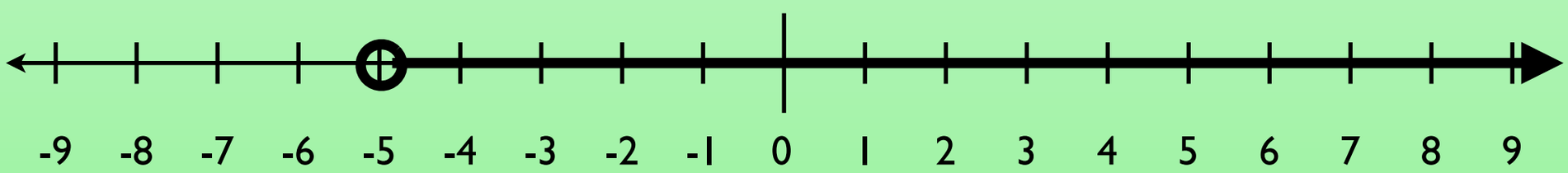
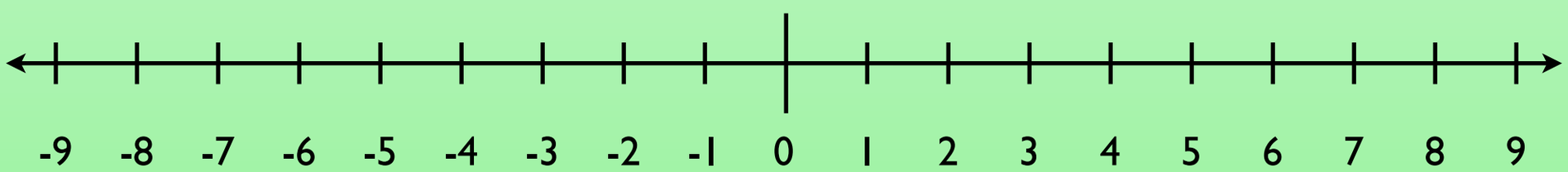


2. Inequalities

$$-2x + 7 \geq -3$$



3. Classwork

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pg. 146 // #6 - 11

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You work $9.50 per hour for Whitings. $400 will buy your trip to Europe. How many hours do you have to work? Write and solve an inequality to help yourself.

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A jar of spaghetti sauce costs $2.50. At most you have $45.00 to spend on spaghetti for the pasta cook-off. How many jars can you buy? Write and solve an inequality to help yourself.

4. Break

5. Show and Tell

5. Treasure Hunt!

5. Treasure Hunt!

Jungle Hideout 12

Evaluate: $4 + 2b^3$ **for b = -1**

If -2	**then go to 1**
If 2	**then go to 4**
If 6	**then go to 9**
If -6	**then go to 6**

Concept Checklist

#	Concept	(1)	(2)	(3)	
1	I can use the order of operations.	68	80	88	
2	I can evaluate expressions.	74	74	88	
3	I can use absolute value.	76	86	94	
4	I can solve equations.	68	86	87	
5	I can solve equations with multiple steps.	54	62		
6	I can use unit rates and proportions.	46			

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Fourth	84	**86**	94	88	58	42										
Sixth	**92**	80	**96**	**94**	**70**	**54**										

6. Treasure Hunt

7. Concept Quiz

8. Homework

Practice

$$-3x + 10 \geq -2$$

Challenge

$$12 - 5x \geq -8$$

Day 21

1. Opener

a) $45 \div 3^2 + 8 \bullet 2 \bullet 3 - (4 + 2) =$

b) Graph: $7 - 3x > 10$

c) How much would three ribs cost? Use unit rates and proportions.

d) What percent of the continental US is farmland?

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Concept Checklist

_____
(name)

#	Concept	(1)	(2)	(3)	(4)	(5)	stamp

Concept Checklist

#	Concept	(1)	(2)	(3)	

Concept Checklist

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1	I can use the order of operations.				

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Concept Checklist

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3	I can use absolute value.	76%	86%	94%	
4	I can solve equations.	68%	86%	87%	
5	I can solve equations with multiple steps.	54%	62%		
6	I can use unit rates and proportions.	46%			

Last Week:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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Sixth	**92**	82	**96**	**94**	**78**	**72**	68									

Name	1	2	3	4	5
7003002					

Name	1	2	3	4	5
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Name	1	2	3	4	5
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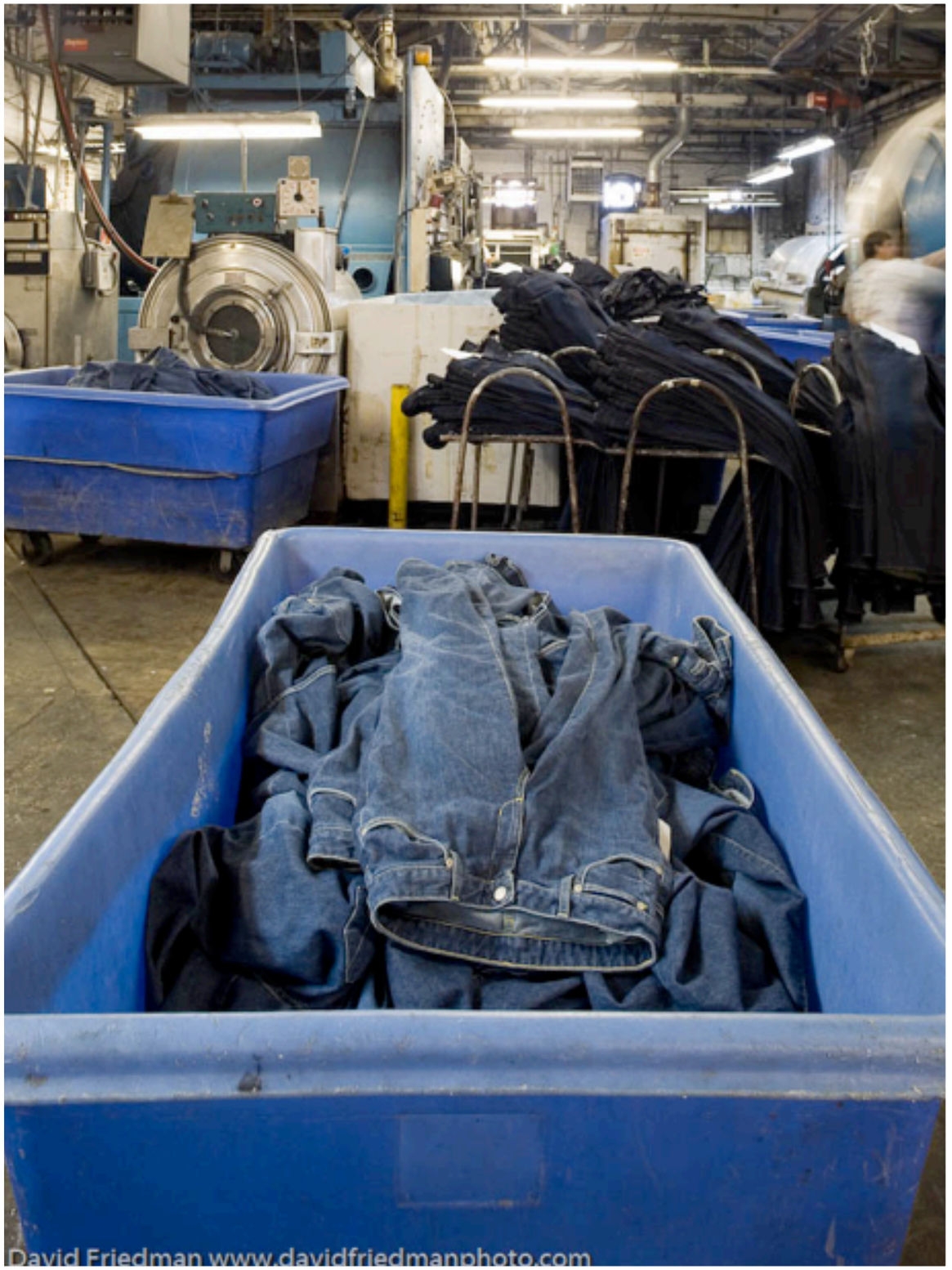
10
David Friedman www.davidfriedmanphoto.com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discuss coin jar calculator also

2. Classwork

discuss coin jar
calculator also

2. Classwork

How many fish are in the lake?

discuss coin jar
calculator also

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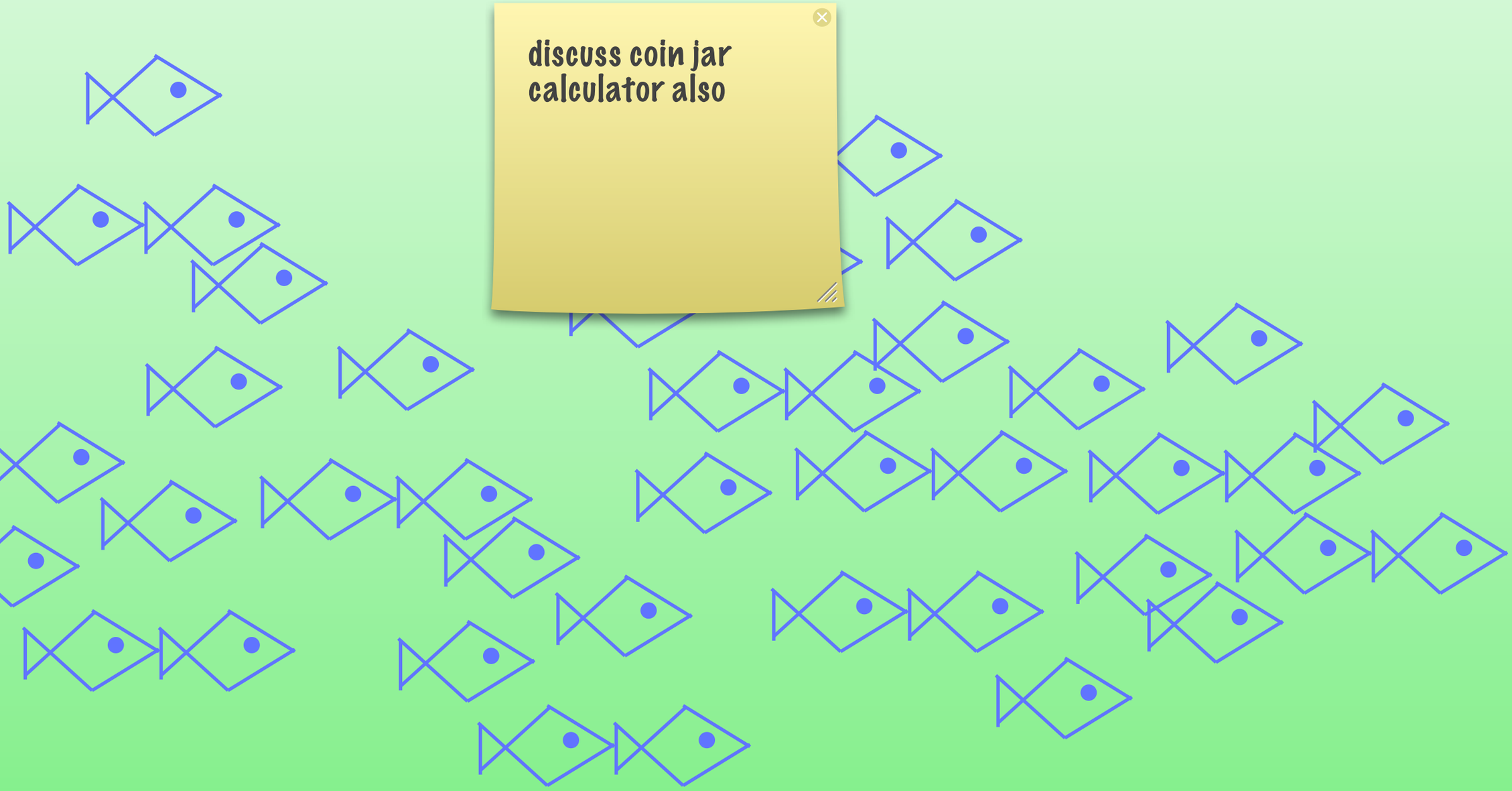

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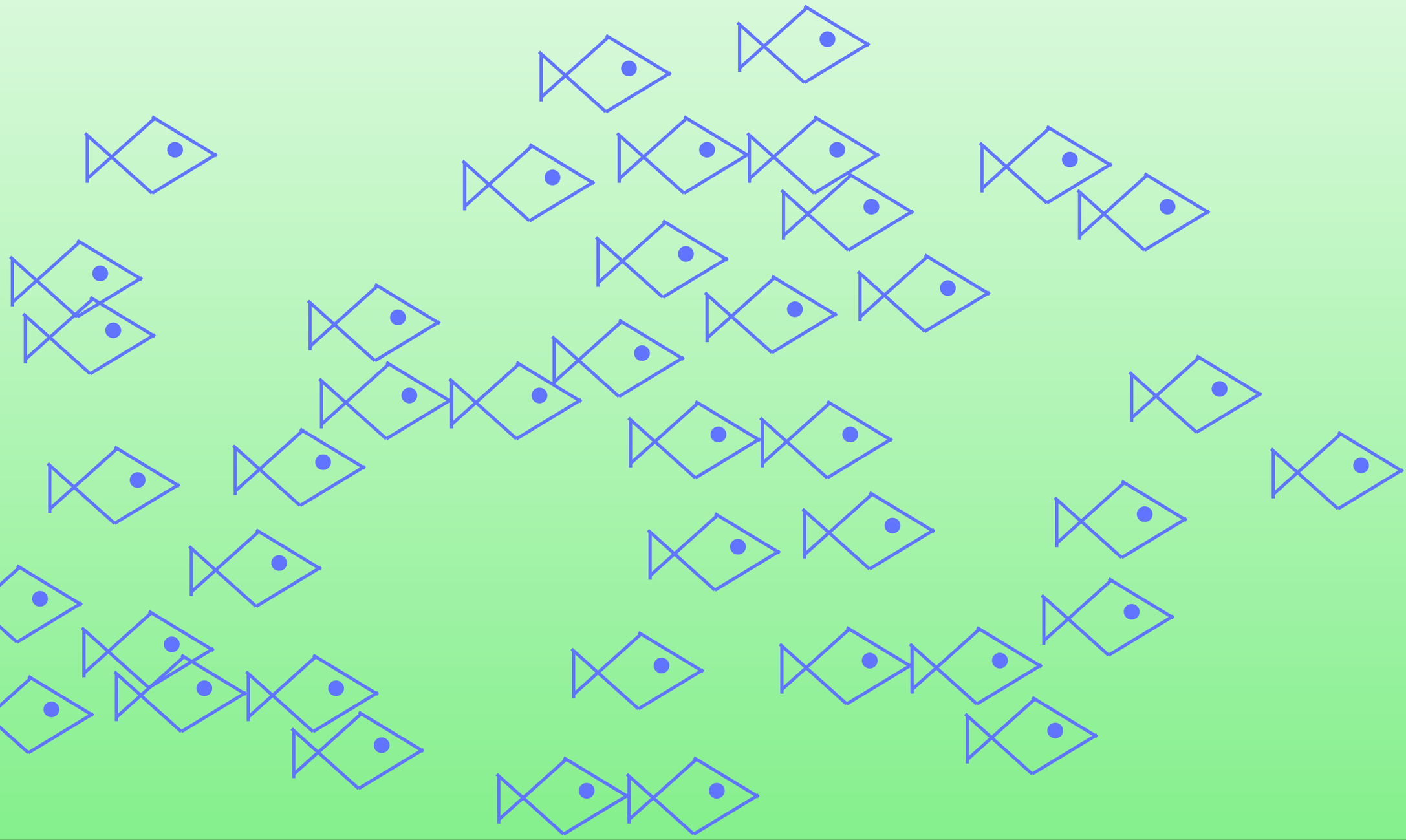

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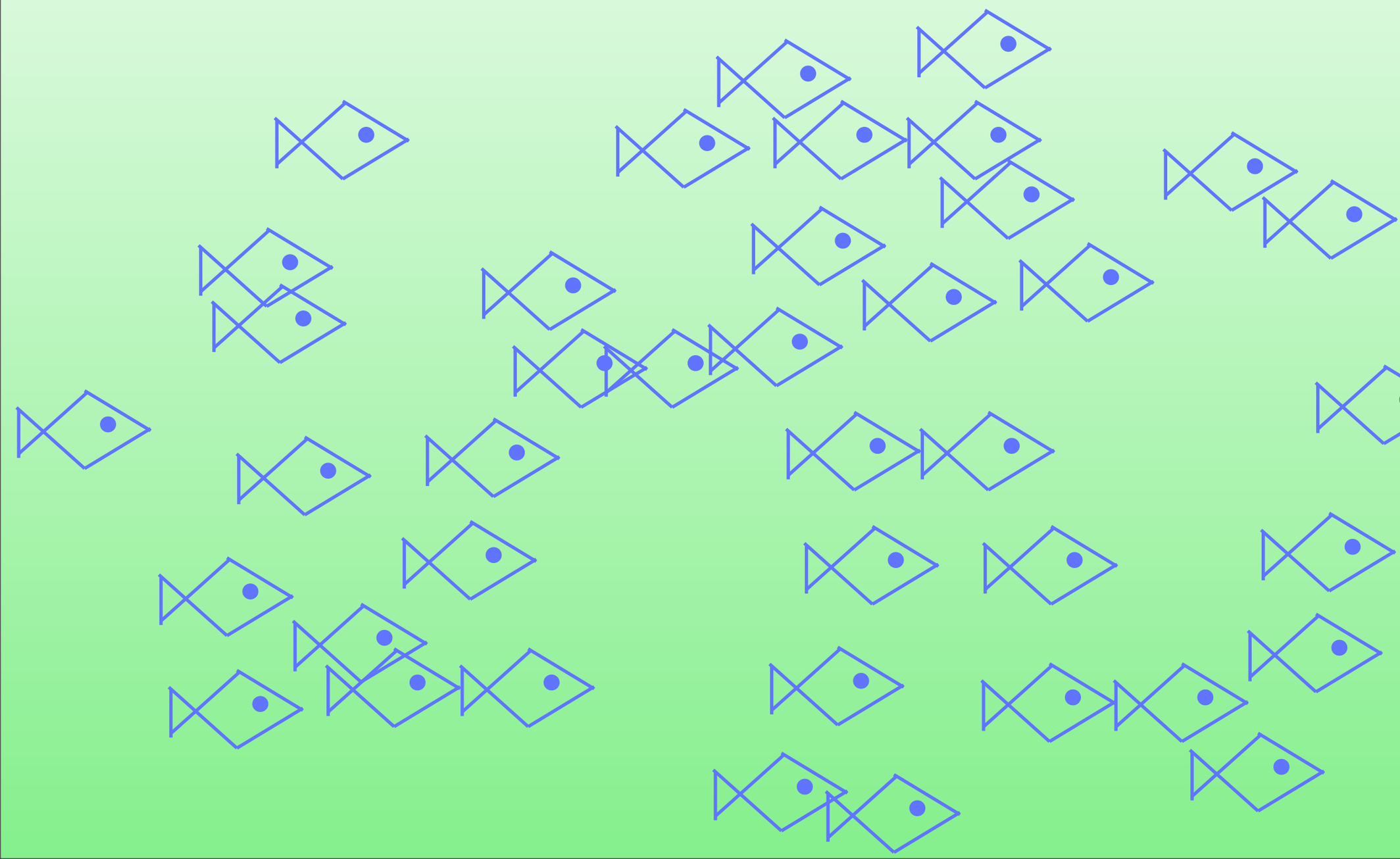

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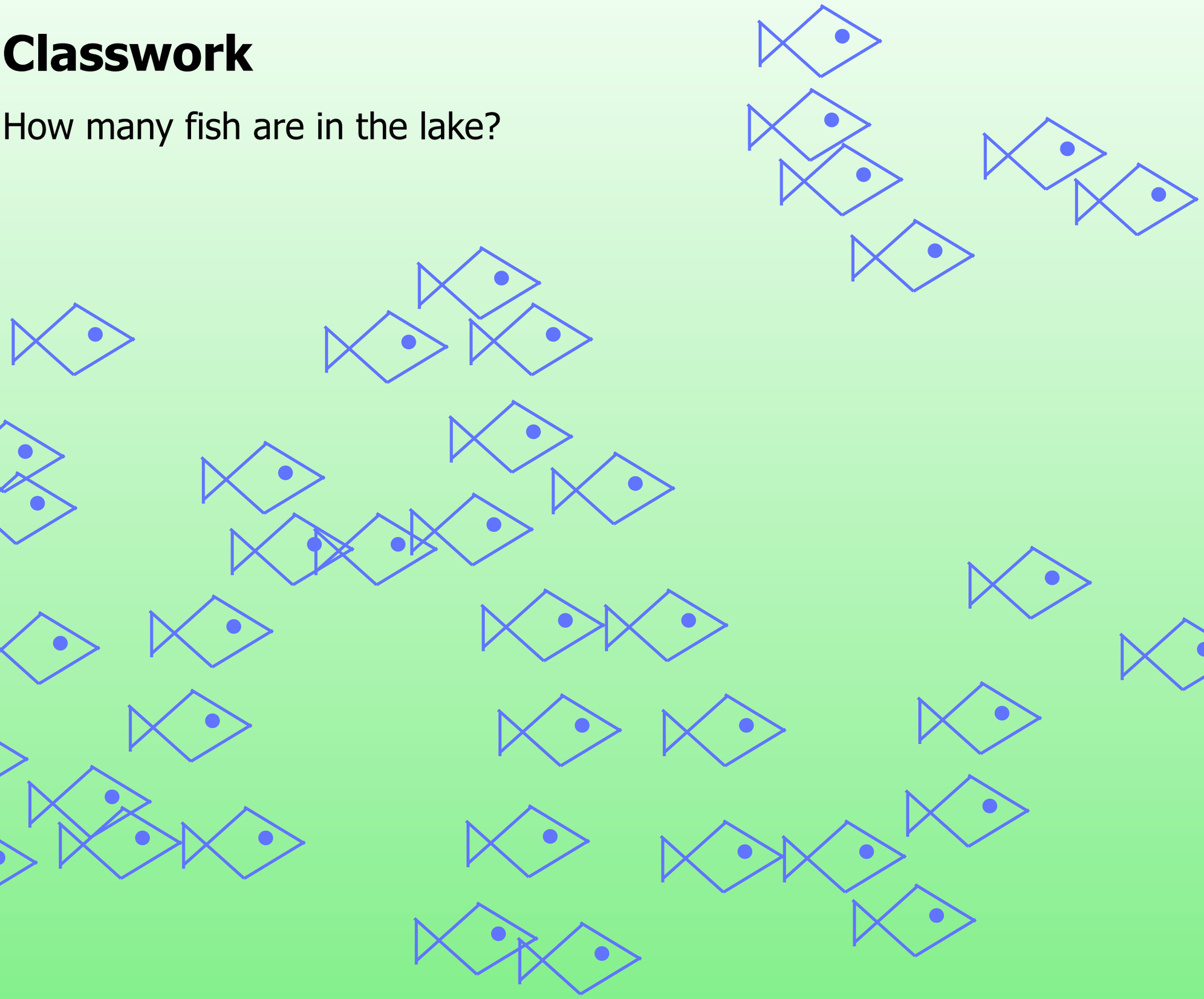

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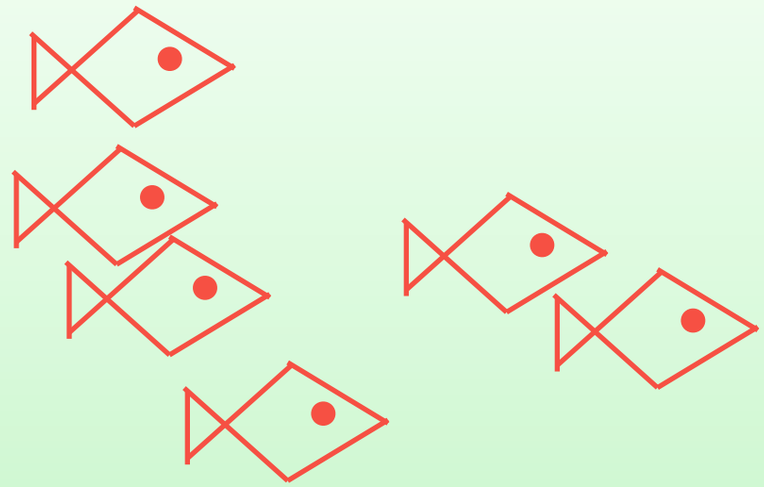

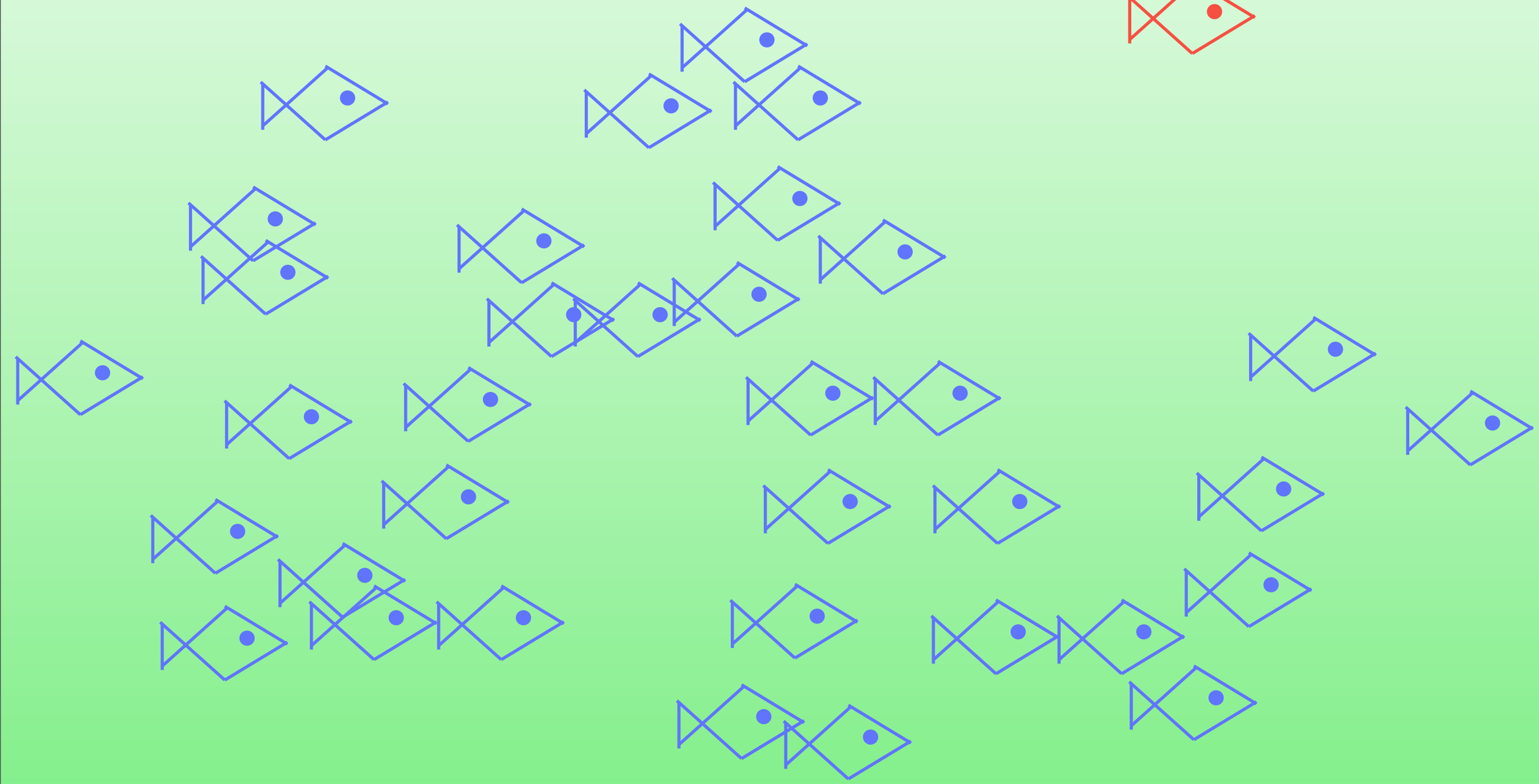

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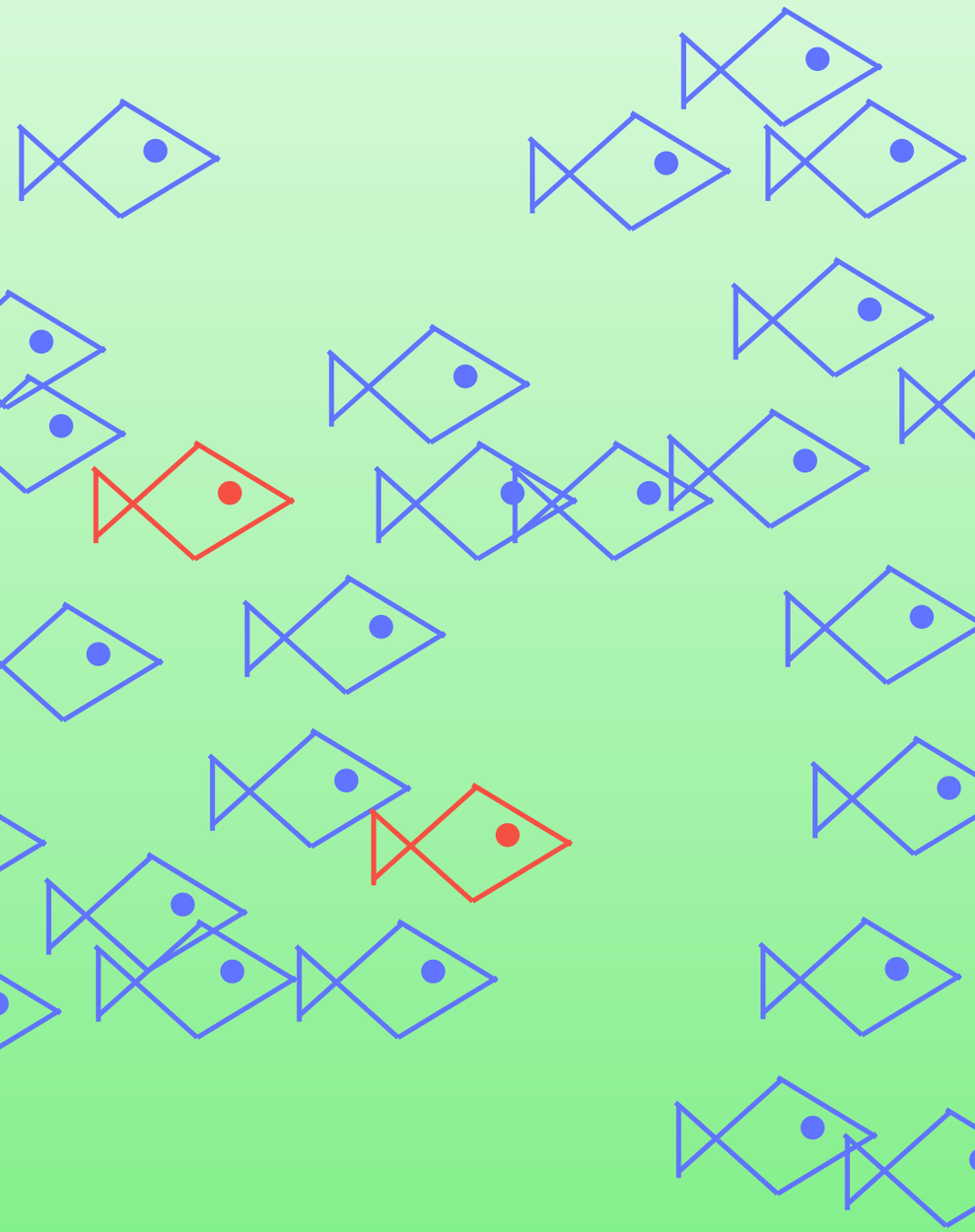

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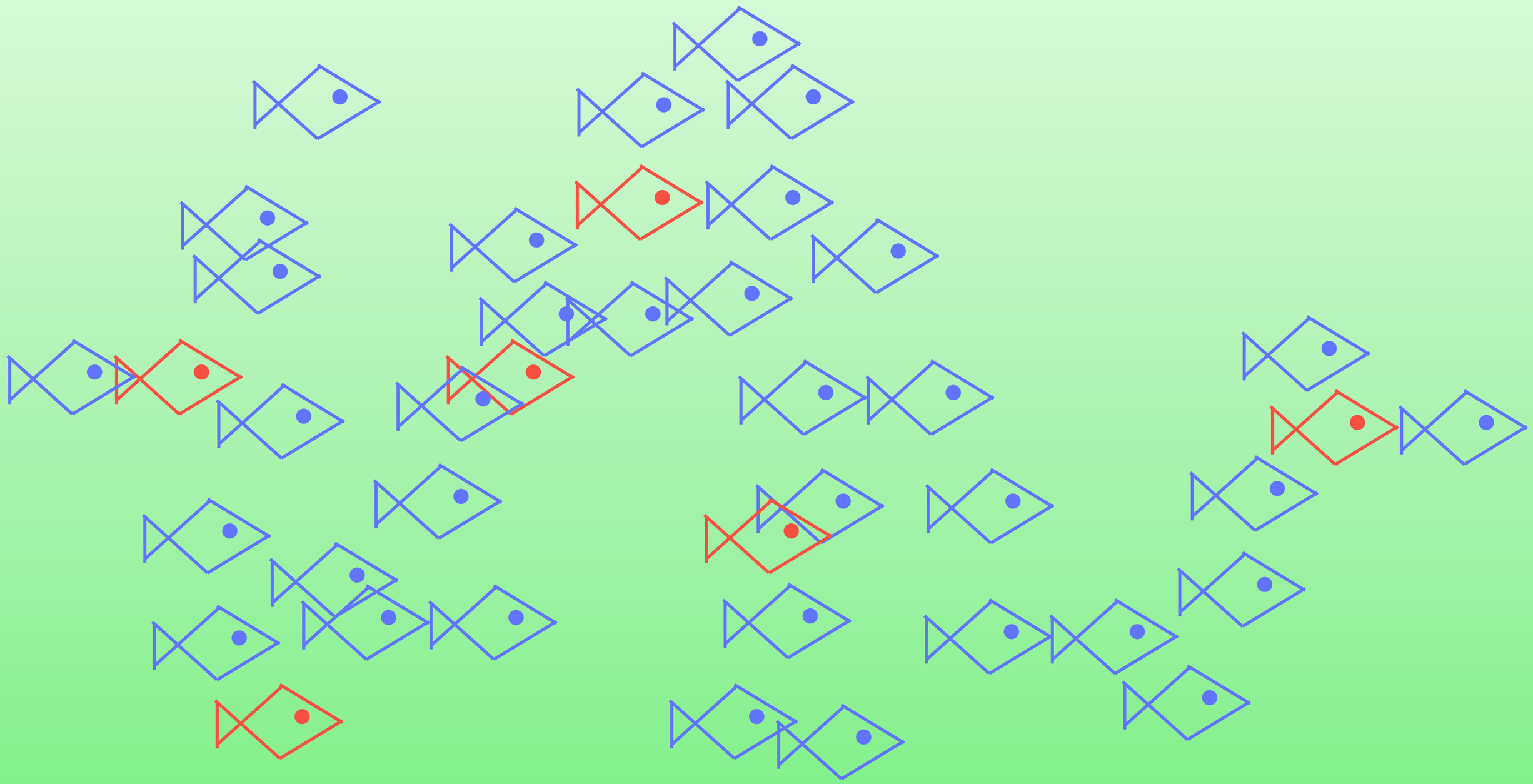

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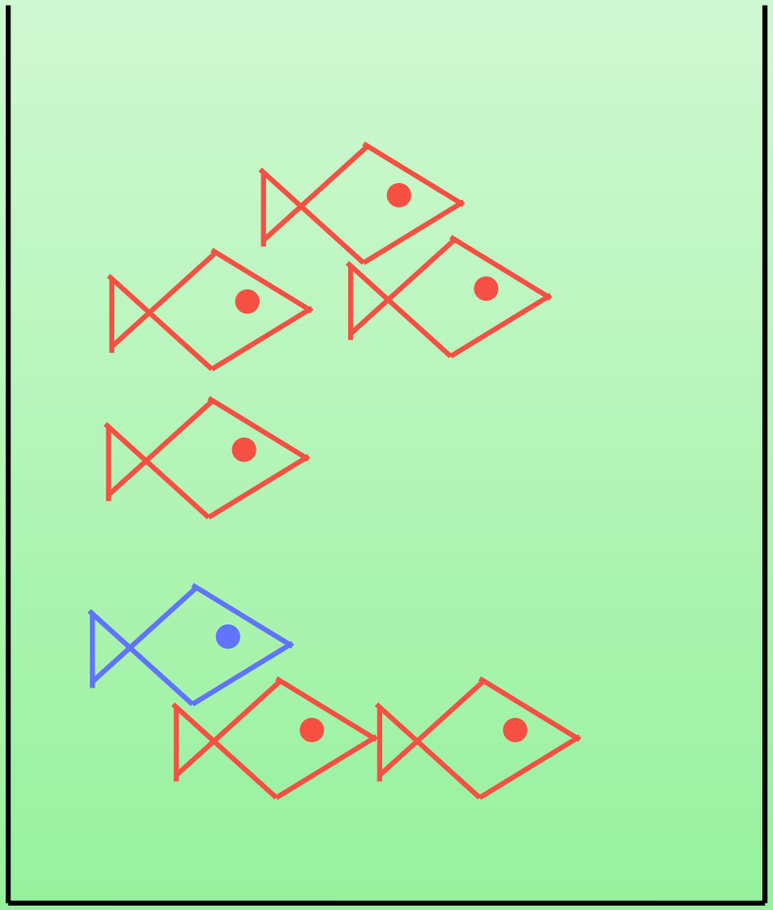

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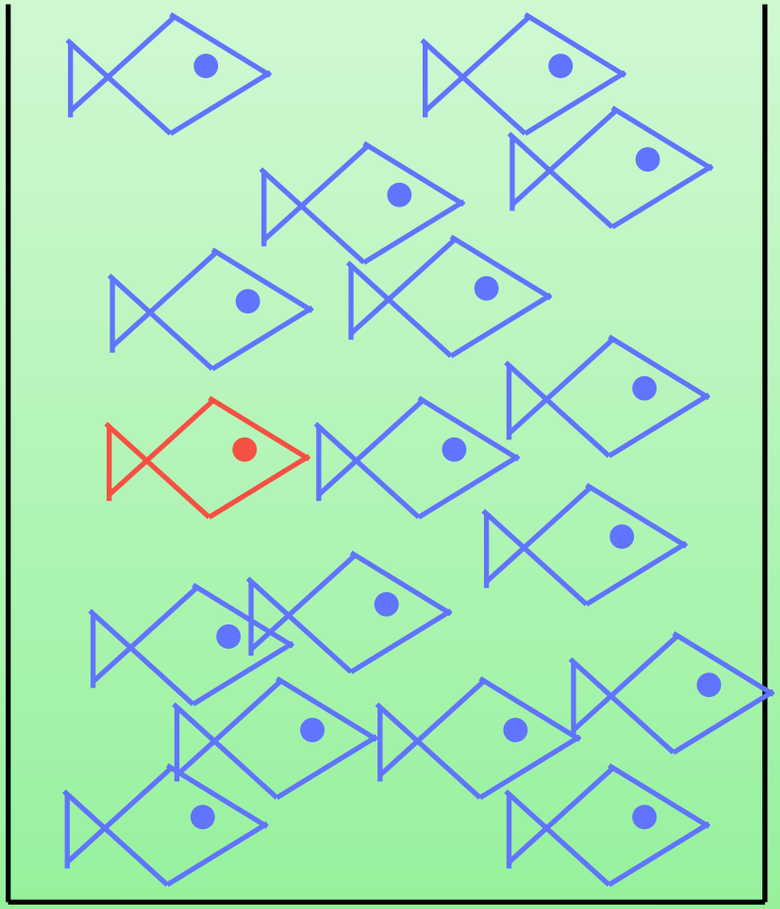

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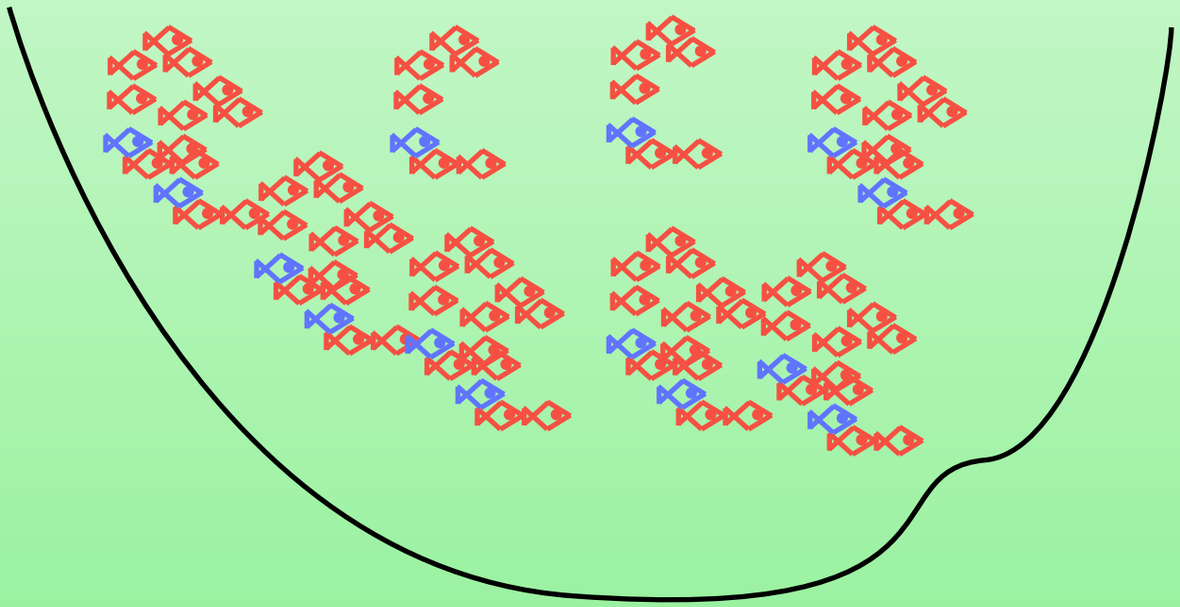
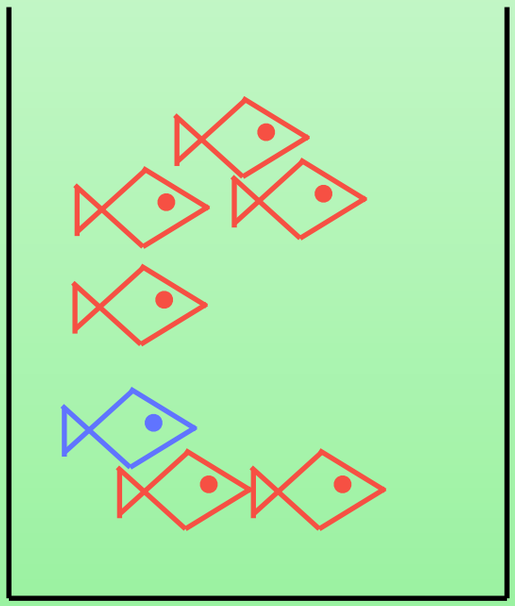
How many fish are in the lake?

Big Picture



Little Picture



3. Classwork - Four Problems

A warden captured and tagged 500 fish. A week later he pulled up 20 tagged fish and 40 untagged fish. How many fish are in the lake?

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A warden captured and tagged 500 fish. A week later he pulled up 5 tagged fish and 100 untagged fish. How many fish are in the lake?

3. Classwork - Four Problems

A warden captured and tagged 500 fish. A week later he pulled up 20 tagged fish and 40 untagged fish. How many fish are in the lake?

A warden captured and tagged 500 fish. A week later he pulled up 5 tagged fish and 100 untagged fish. How many fish are in the lake?

A warden captured and tagged 500 fish. A week later he pulled up 100 tagged fish and 100 untagged fish. How many fish are in the lake?

3. Classwork - Four Problems

A warden captured and tagged 500 fish. A week later he pulled up 20 tagged fish and 40 untagged fish. How many fish are in the lake?

A warden captured and tagged 500 fish. A week later he pulled up 5 tagged fish and 100 untagged fish. How many fish are in the lake?

A warden captured and tagged 500 fish. A week later he pulled up 100 tagged fish and 100 untagged fish. How many fish are in the lake?

A warden captured and tagged 2500 fish. A week later he pulled up 7% tagged fish. How many fish are in the lake?

Coin Jar Calculator

Quick Instructions

Most of us have a jar in our house full of loose coins...Ever wonder how much money that jar is worth? CoinCalc.com will help you figure it out.

Just grab a representative handful of coins and fill in the values below along with the total weight of your jar.

Coin Jar [ ] weight of coin jar (pounds).

Pennies [ ] in the handful you grabbed.

Nickels [ ] in the handful you grabbed.

Dimes [ ] in the handful you grabbed.

Quarters [ ] in the handful you grabbed.

Half Dollars [ ] in the handful you grabbed.

Dollar Coins [ ] in the handful you grabbed.

Get Estimation

4. Break

5. Show And Tell

6. Basketball Review

Simplify: $1 + 2^2 - (4 + 2 \bullet 1)^2 + 5$

6. Basketball Review

Simplify: $1+2^2-(4+2\bullet1)^2+5$

-26

6. Basketball Review

Simplify: $1+2^2-(4+2\bullet 1)^2+5$

-26

Evaluate: $2x^3-4x+8$ for x = -1

6. Basketball Review

Simplify: $1+2^2-(4+2\bullet 1)^2+5$

-26

Evaluate: $2x^3-4x+8$ for x = -1

10

6. Basketball Review

Simplify: $1+2^2-(4+2\bullet 1)^2+5$

-26

Evaluate: $2x^3-4x+8$ for x = -1

10

Simplify: $7-4^2+(5-4\bullet 3)^2$

6. Basketball Review

Simplify: $1 + 2^2 - (4 + 2 \bullet 1)^2 + 5$

-26

Evaluate: $2x^3 - 4x + 8$ for x = -1

10

Simplify: $7 - 4^2 + (5 - 4 \bullet 3)^2$

40

6. Name That Flag

6. Name That Flag

6. Name That Flag

Mexico

6. Name That Flag

6. Name That Flag

6. Name That Flag

Ireland

6. Basketball Review

6. Basketball Review

Give a counter example for the statement:

"Every month has a 'y' in its name."

6. Basketball Review

Give a counter example for the statement:

"Every month has a 'y' in its name."

Give a counter example for the statement:

"Every barnyard animal walks on four legs."

6. Basketball Review

Give a counter example for the statement:

"Every month has a 'y' in its name."

Give a counter example for the statement:

"Every barnyard animal walks on four legs."

Give a counter example for the statement:

$$a + b = |a + b|$$

6. Name That Flag

6. Name That Flag

6. Name That Flag

Italy

6. Name That Flag

6. Name That Flag

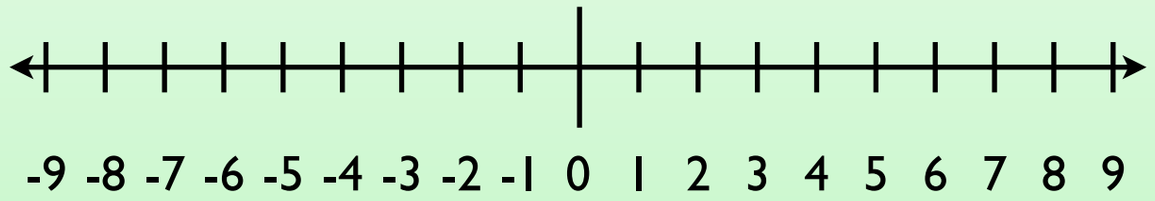
6. Name That Flag

Turkey

6. Basketball Review

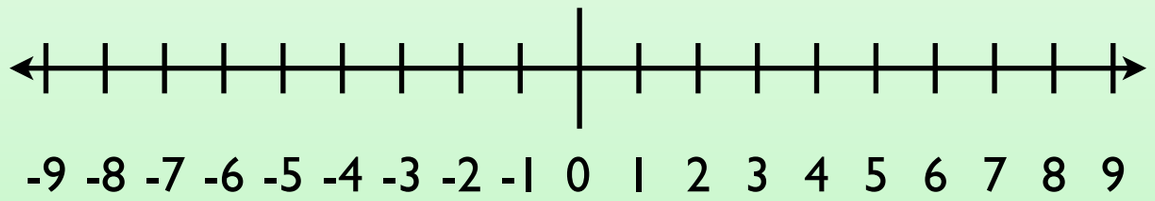
6. Basketball Review

Graph: $-15 < 6x + 15$

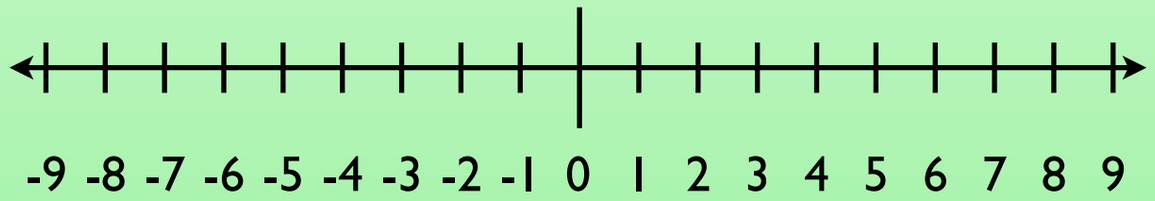


6. Basketball Review

Graph: $-15 < 6x + 15$

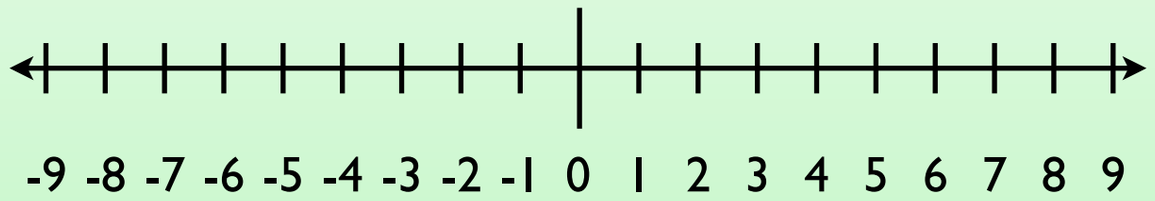


Graph: $-5x + 3 < -2$

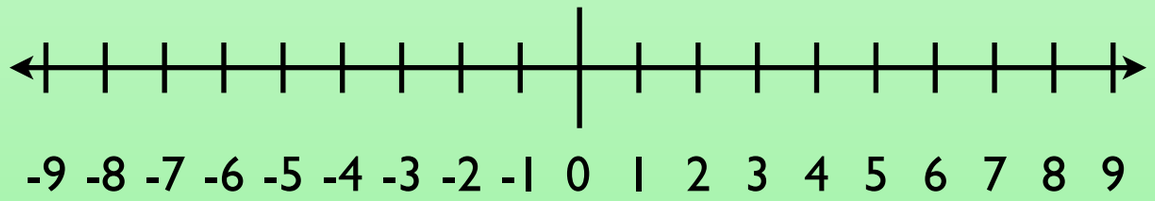


6. Basketball Review

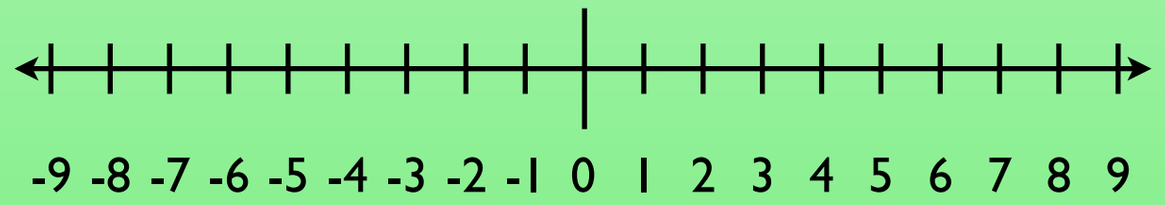
Graph: $-15 < 6x + 15$



Graph: $-5x + 3 < -2$



Graph: $10 - 4x > 14$



6. Name That Flag

6. Name That Flag

6. Name That Flag

Australia

6. Name That Flag

6. Name That Flag

6. Name That Flag

Egypt

6. Basketball Review

6. Basketball Review

Solve: $44 - 2(3x + 4) = 10(x + 2)$

6. Basketball Review

Solve: $44 - 2(3x + 4) = 10(x + 2)$

1

6. Basketball Review

Solve: $44 - 2(3x + 4) = 10(x + 2)$

1

Solve: $\frac{x}{4} = \frac{x-2}{3}$

6. Basketball Review

Solve: $44 - 2(3x + 4) = 10(x + 2)$

1

Solve: $\frac{x}{4} = \frac{x-2}{3}$

8

6. Basketball Review

Solve: $44 - 2(3x + 4) = 10(x + 2)$

1

Solve: $\frac{x}{4} = \frac{x-2}{3}$

8

Solve: $\frac{x}{5} = \frac{x}{6}$

6. Basketball Review

Solve: $44 - 2(3x + 4) = 10(x + 2)$

1

Solve: $\frac{x}{4} = \frac{x-2}{3}$

8

Solve: $\frac{x}{5} = \frac{x}{6}$

0

6. Homework

Practice

$$7 < x < 10$$

Challenge

$$7 > x > 10$$