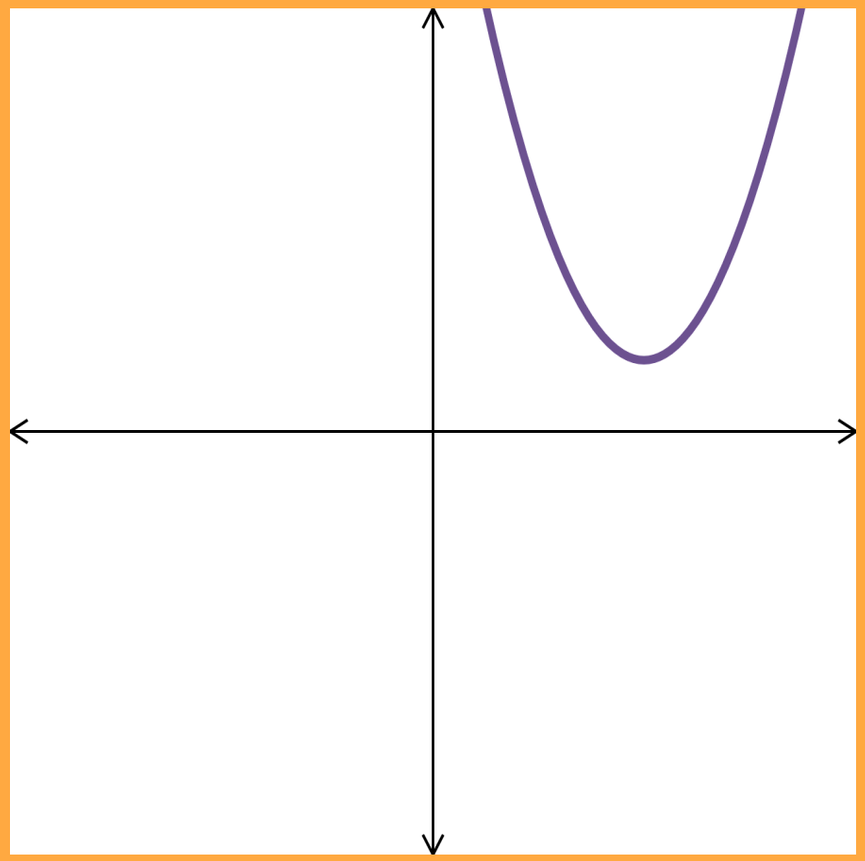

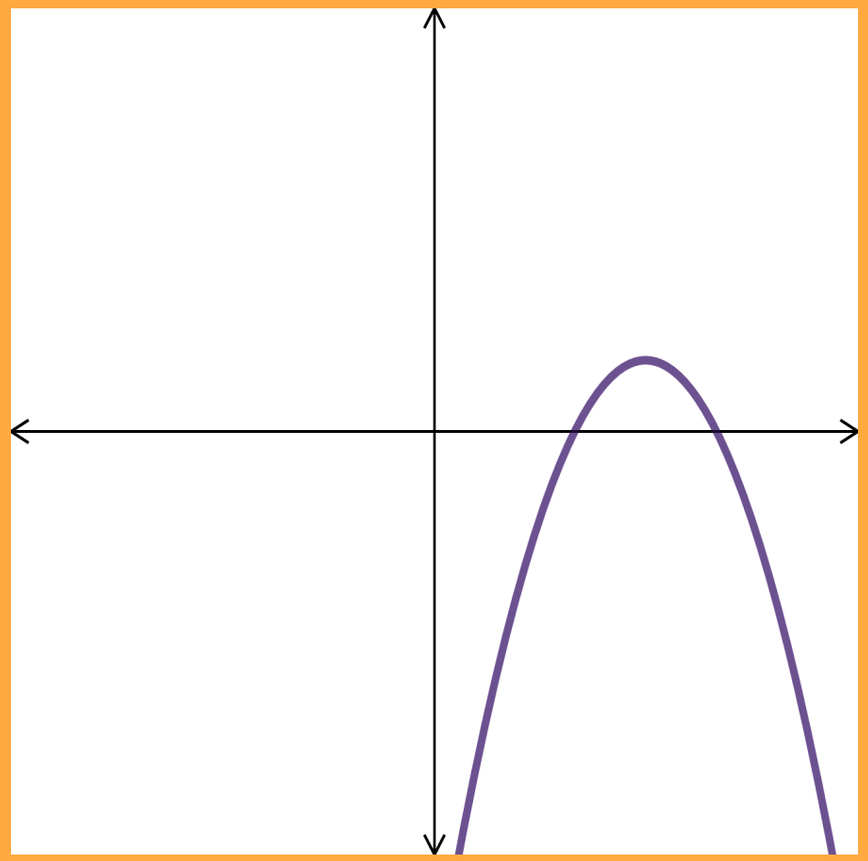

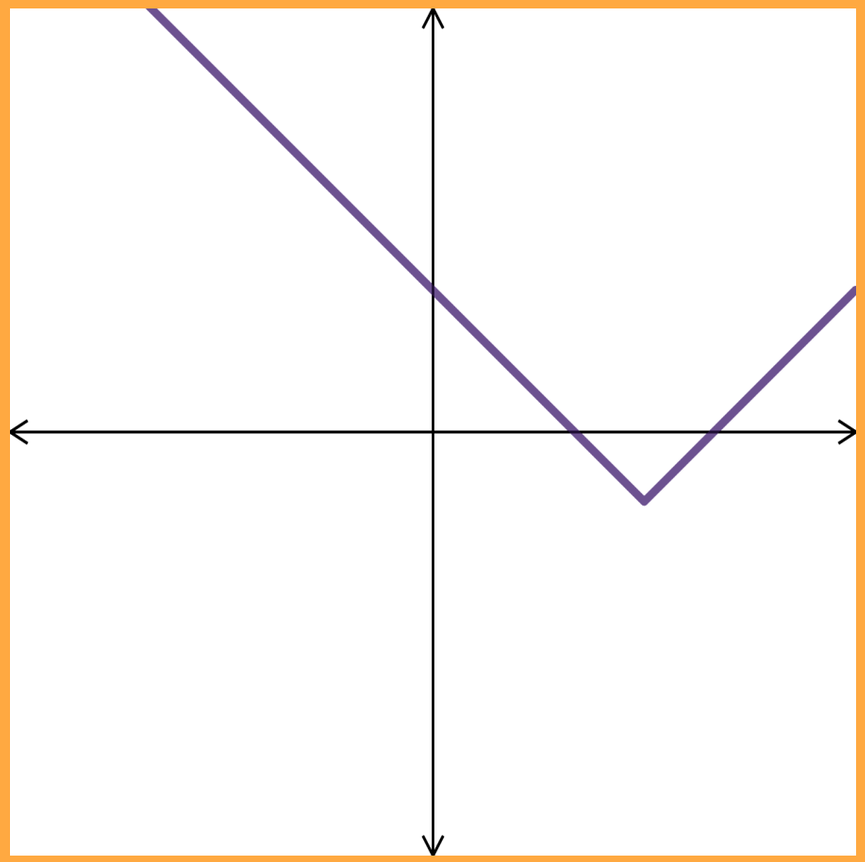

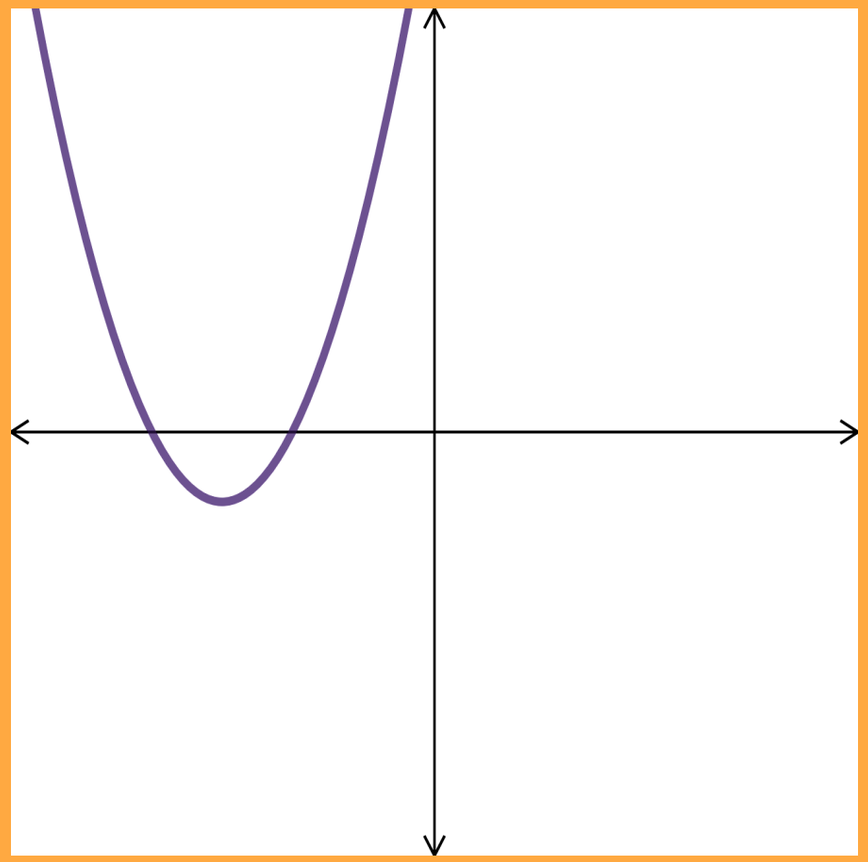

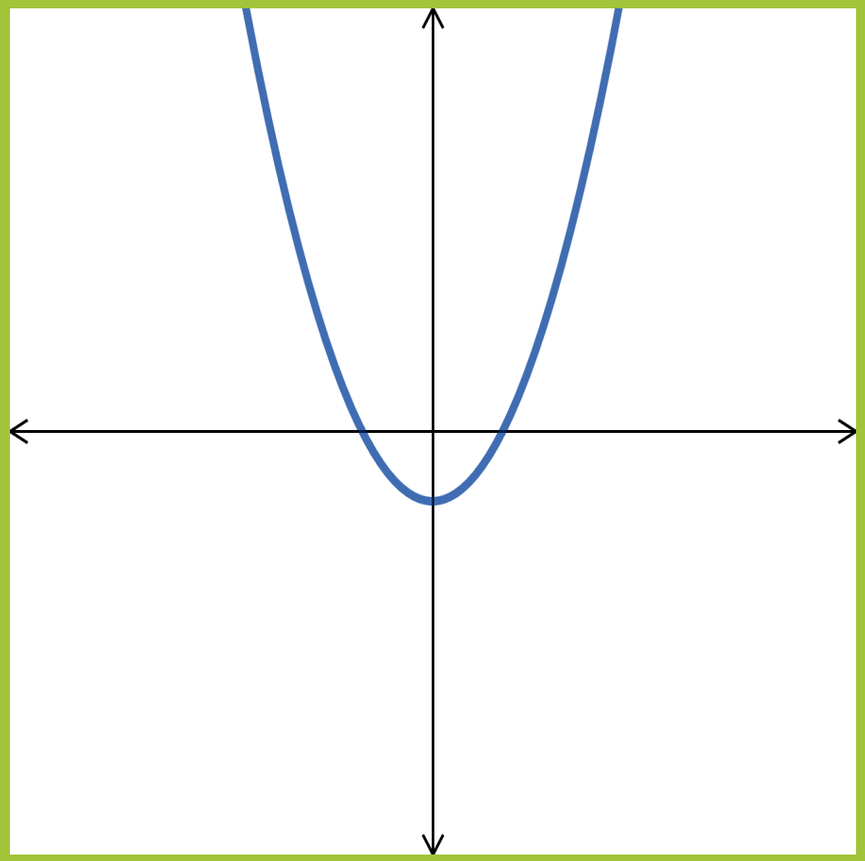

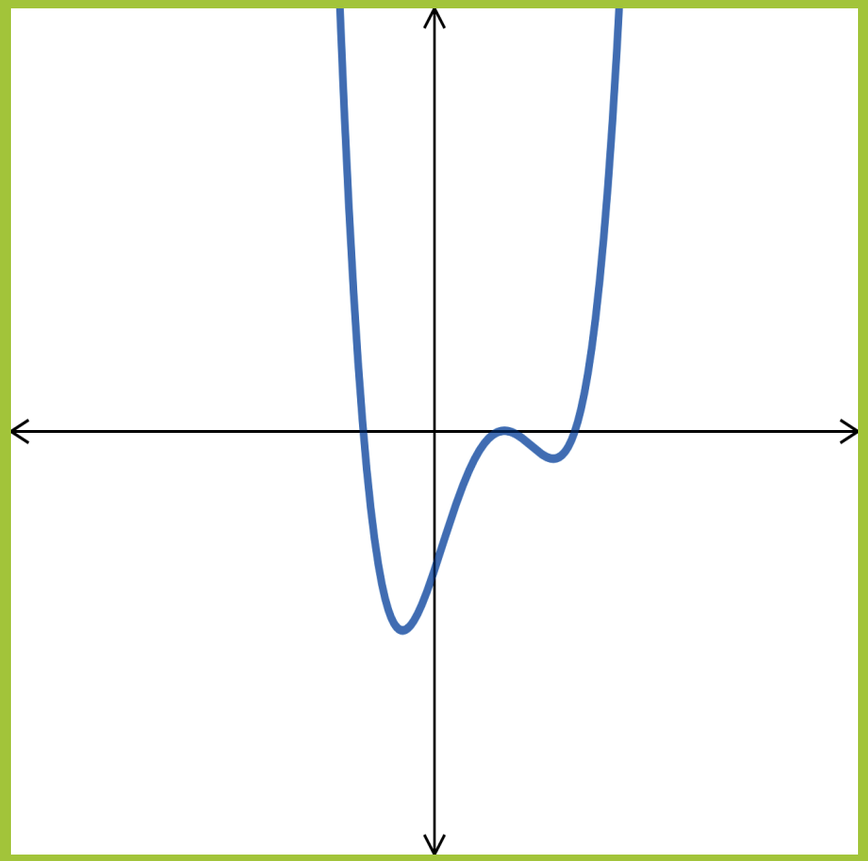

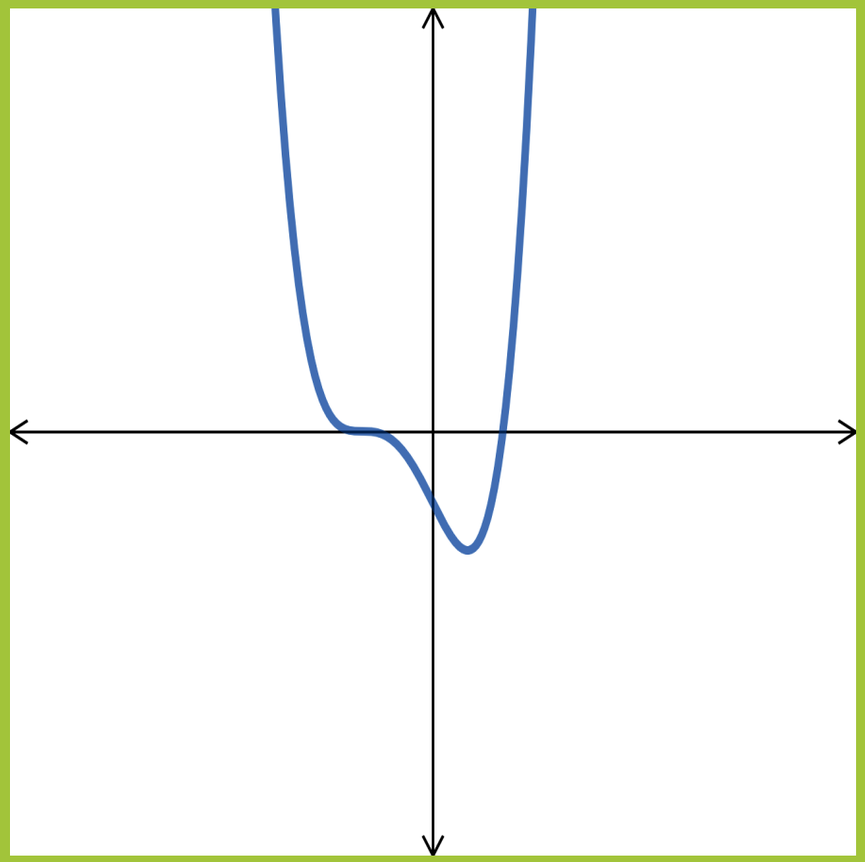

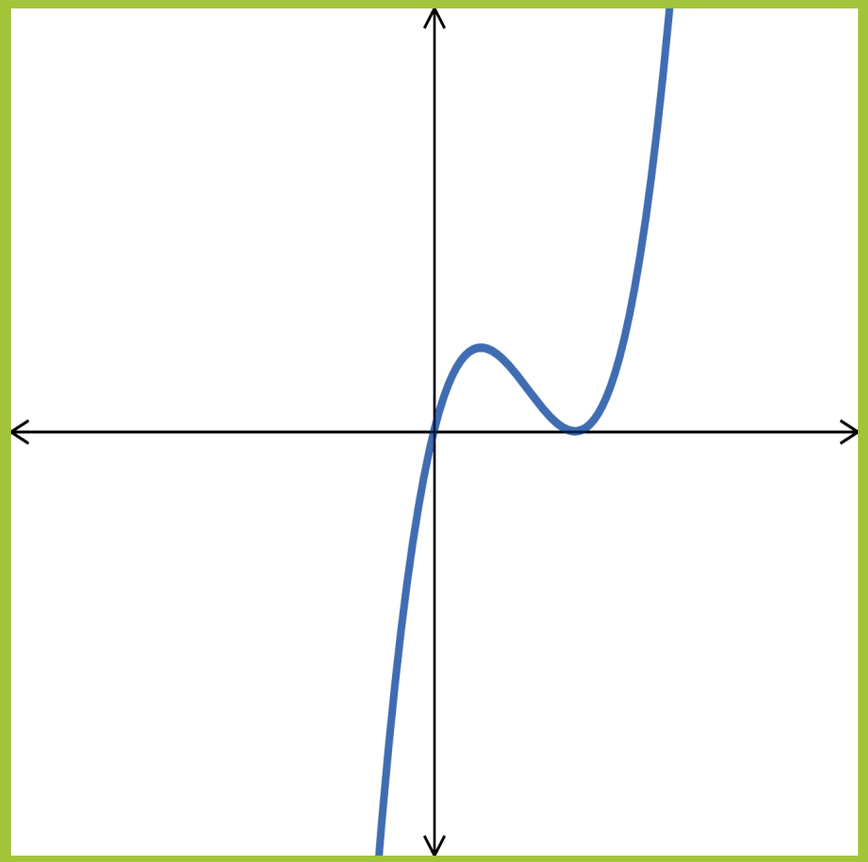

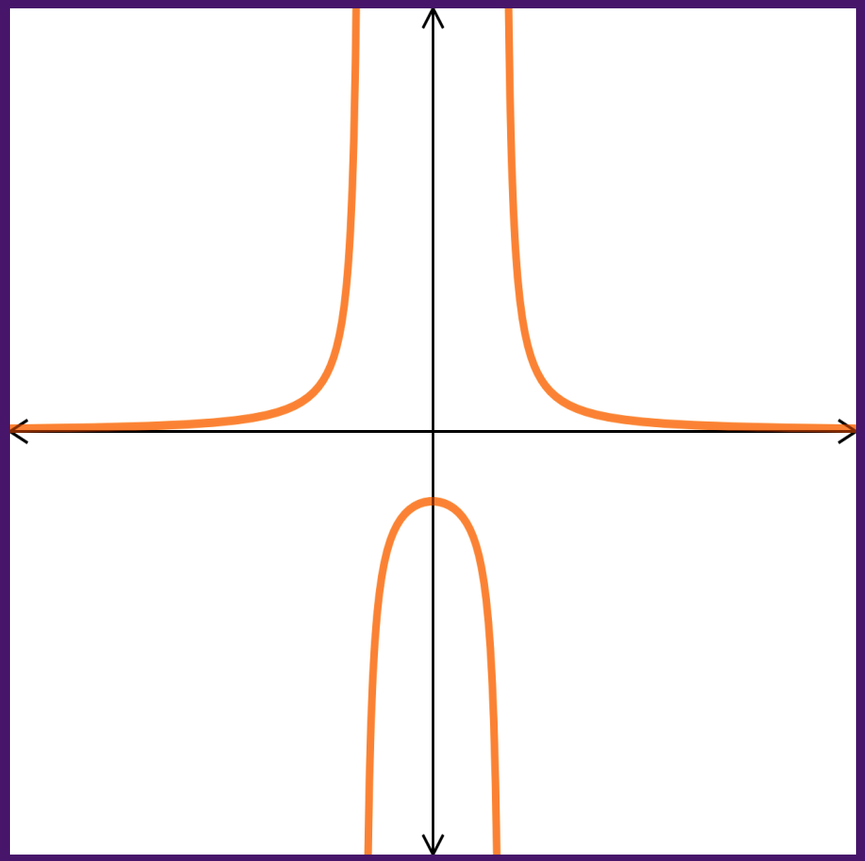

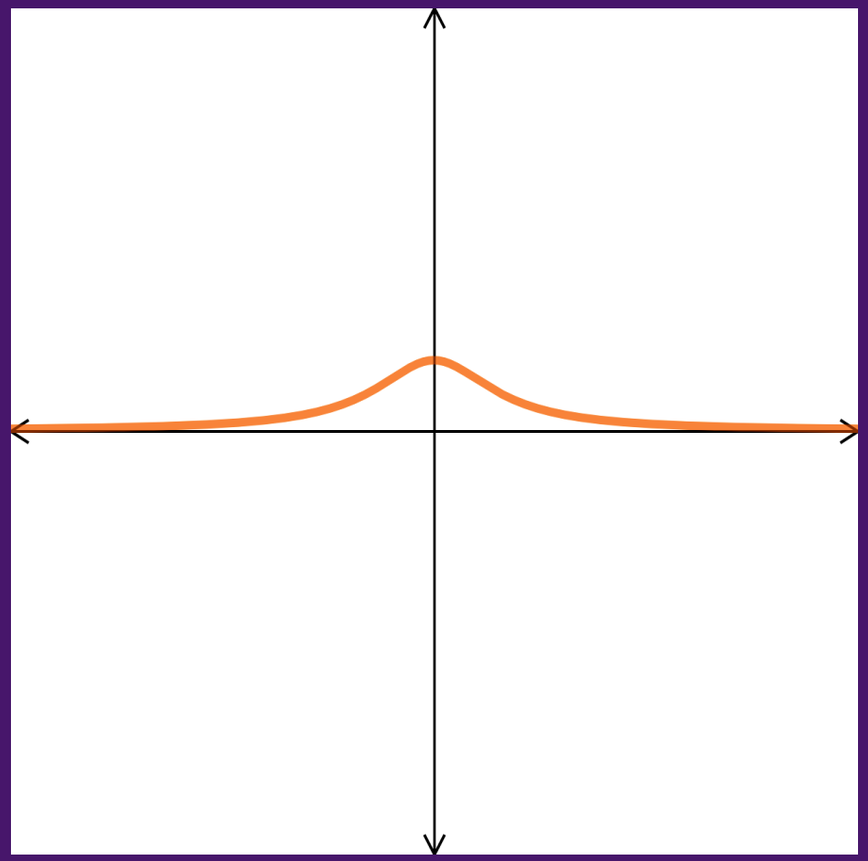

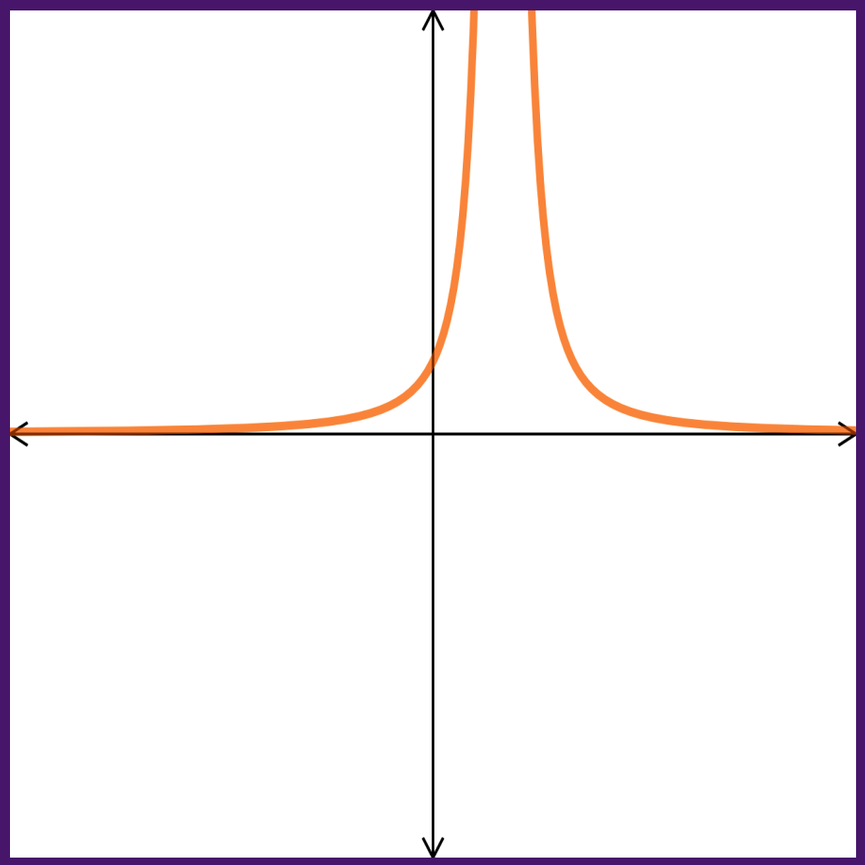

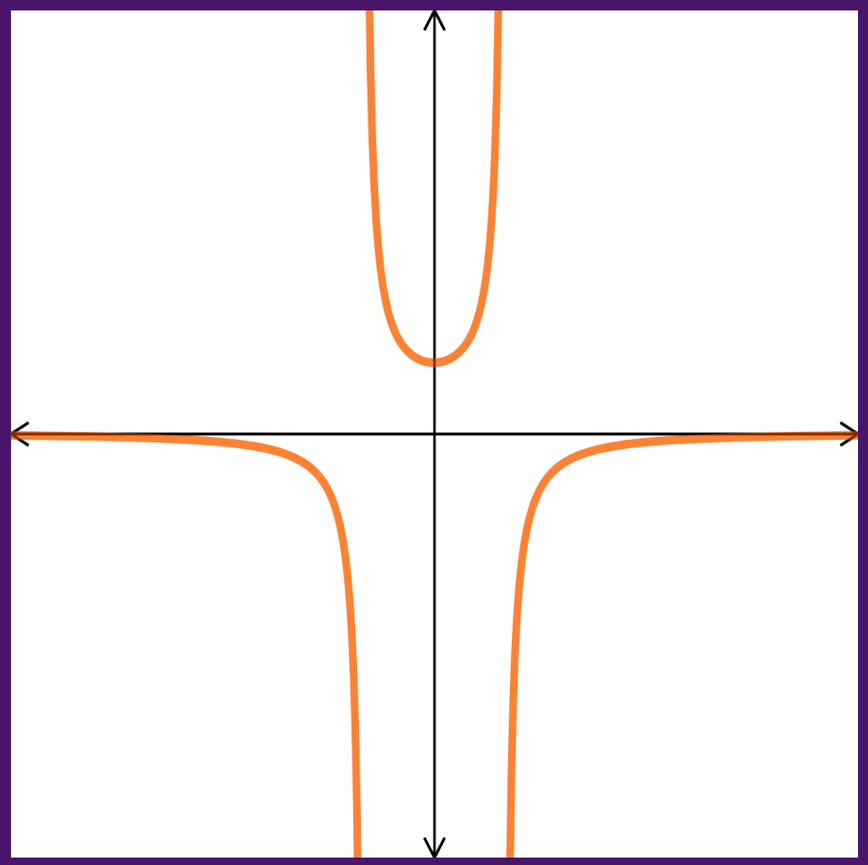

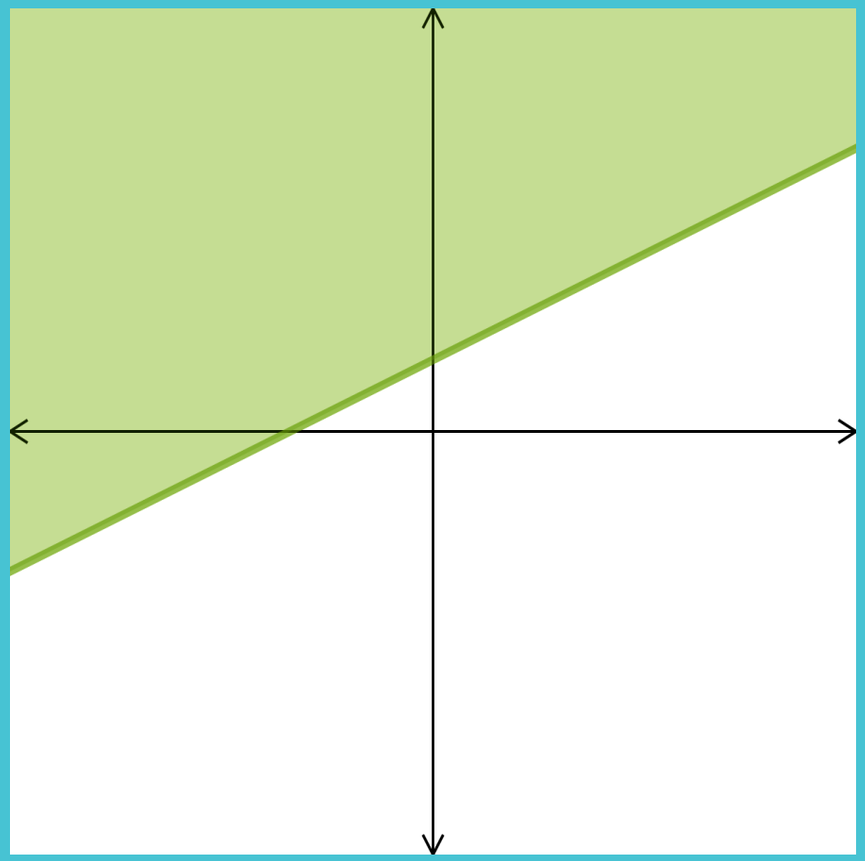

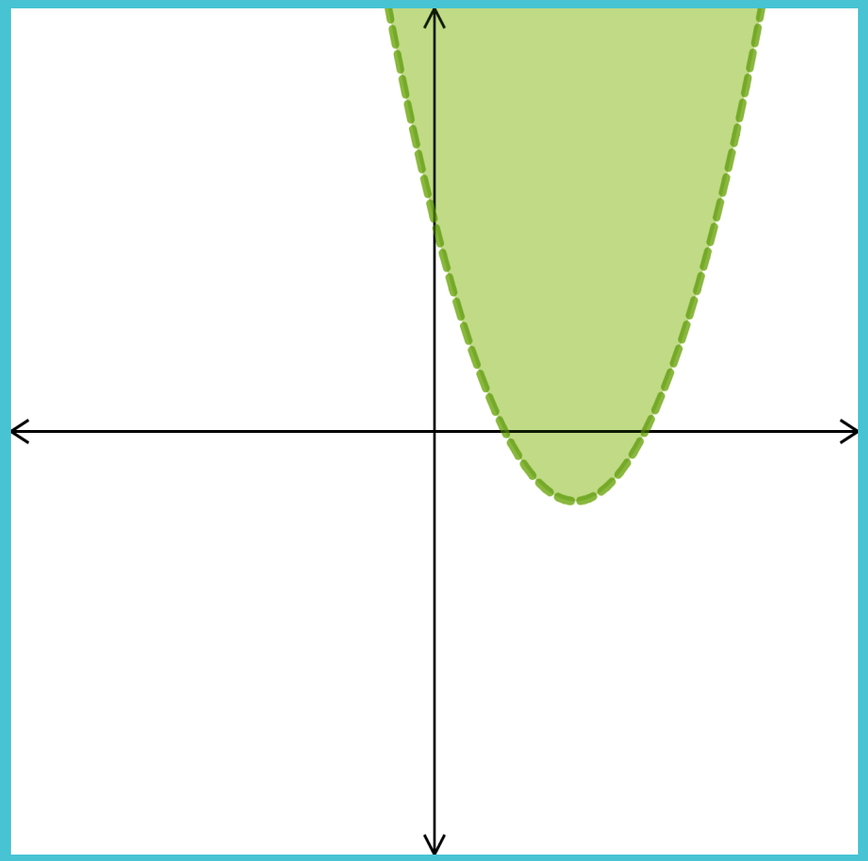

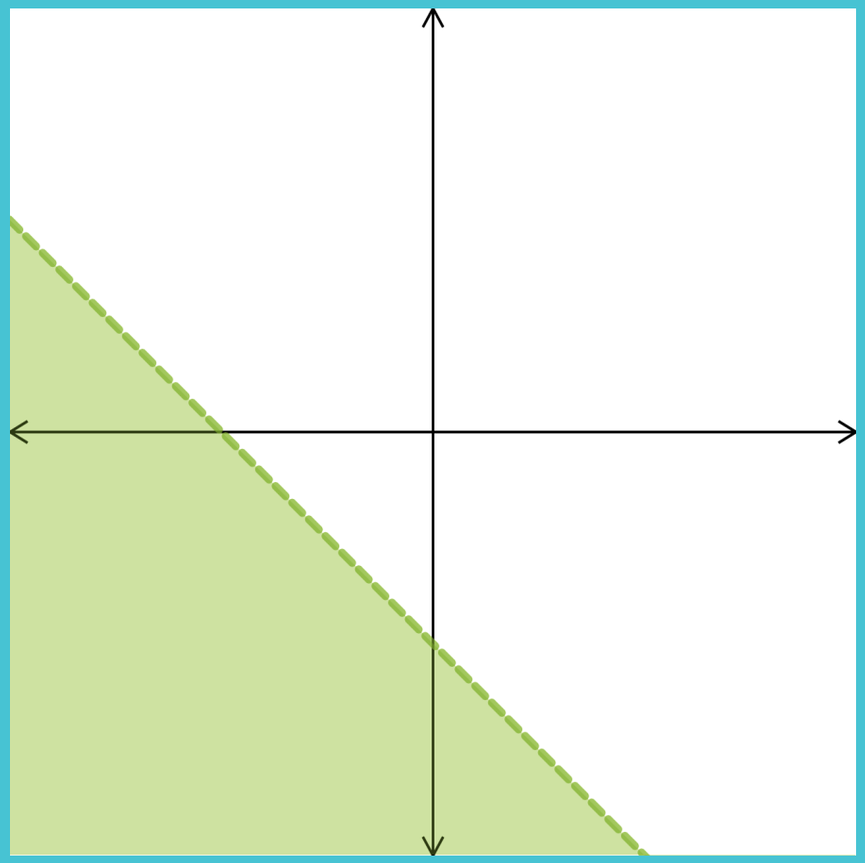

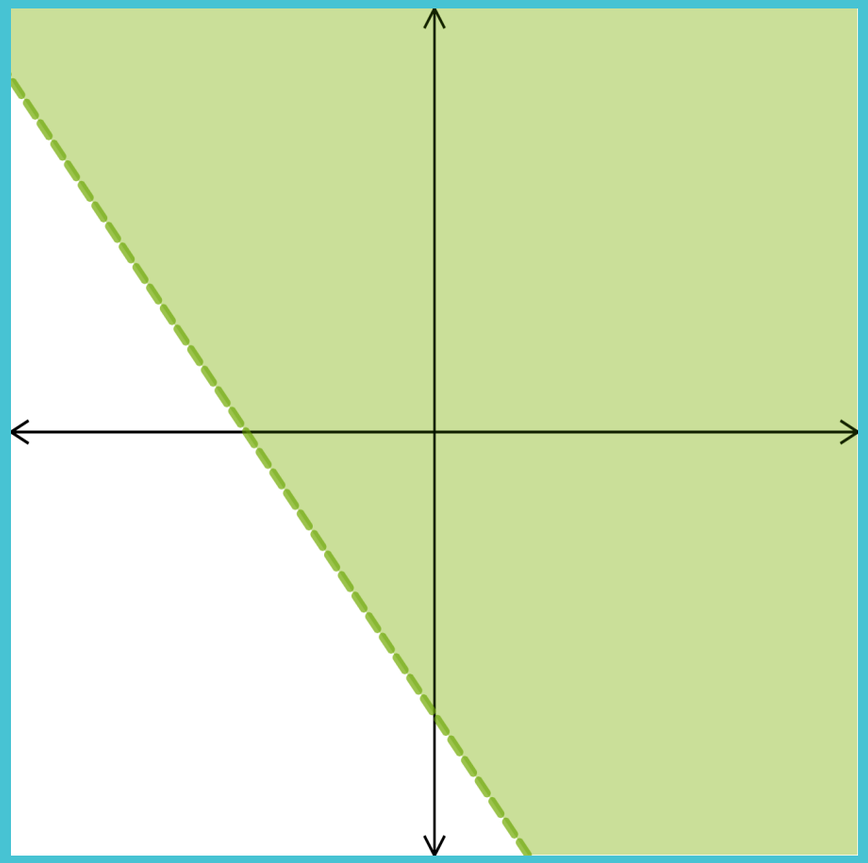

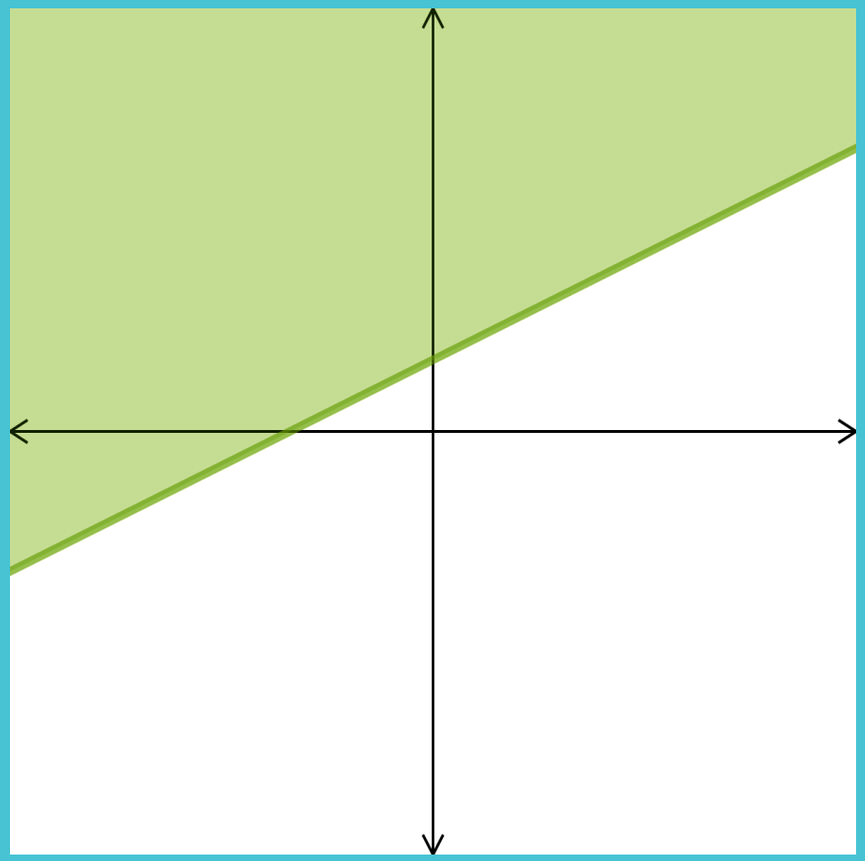

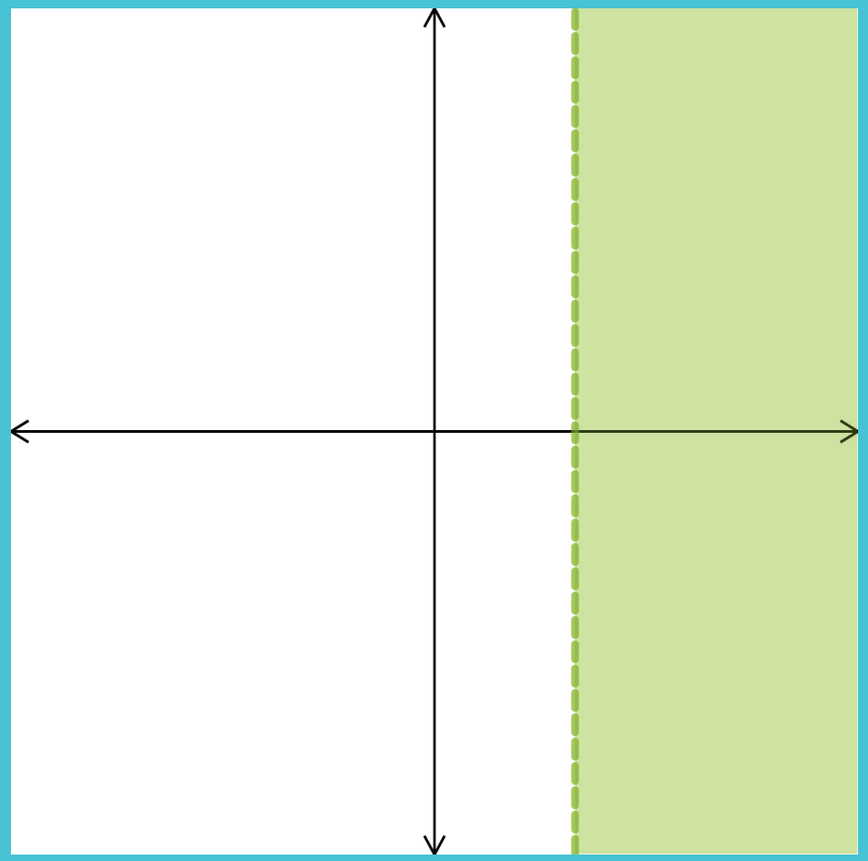

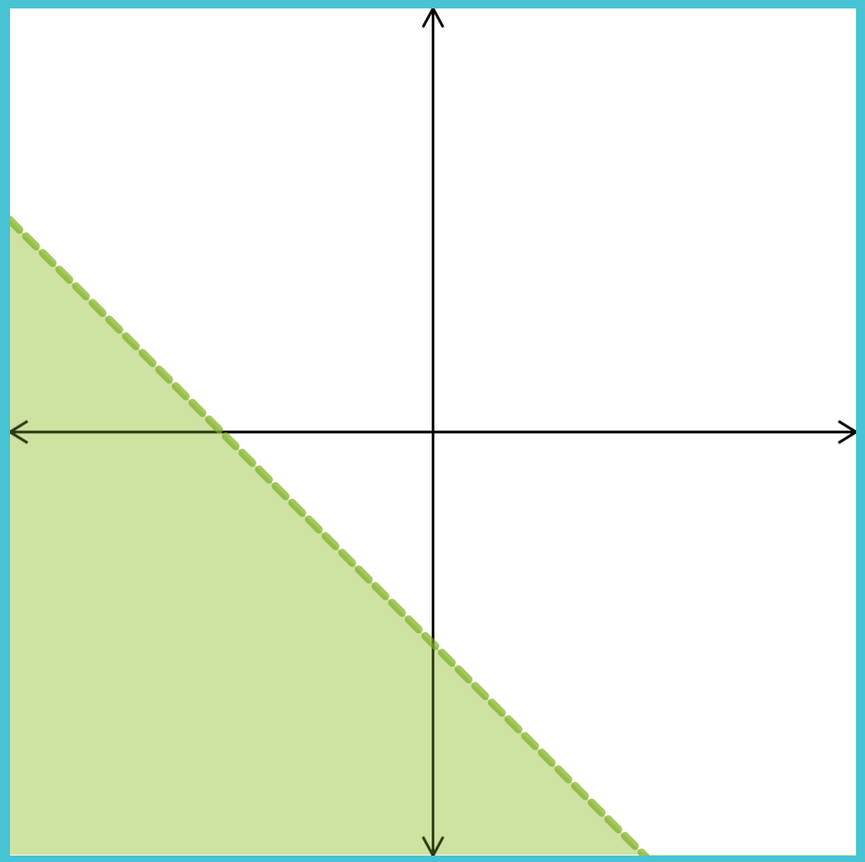

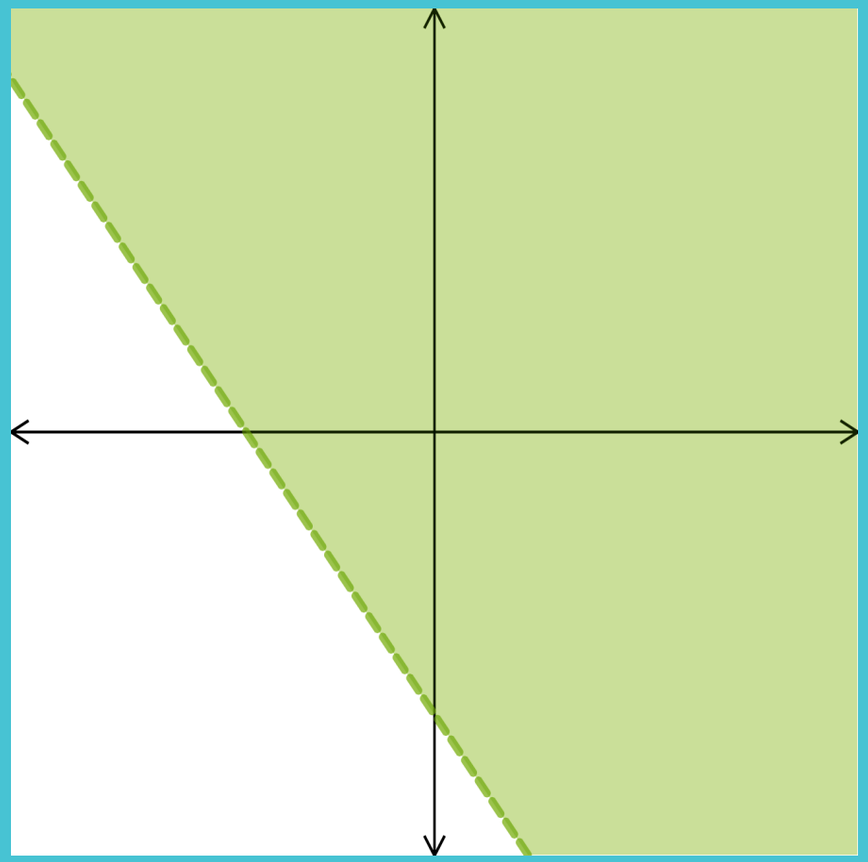

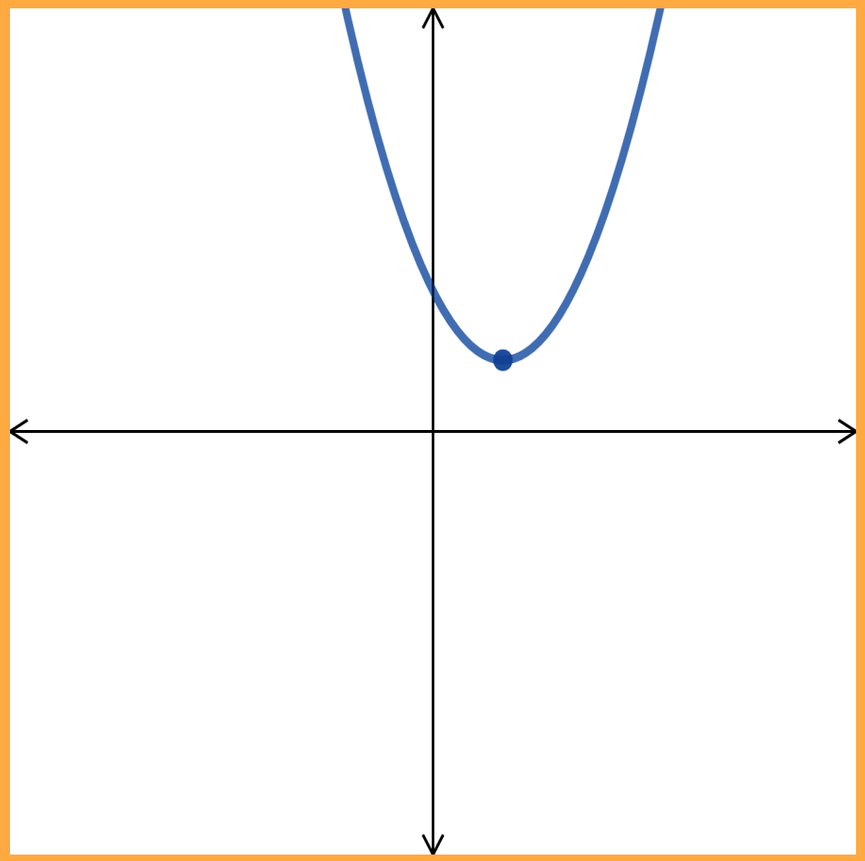

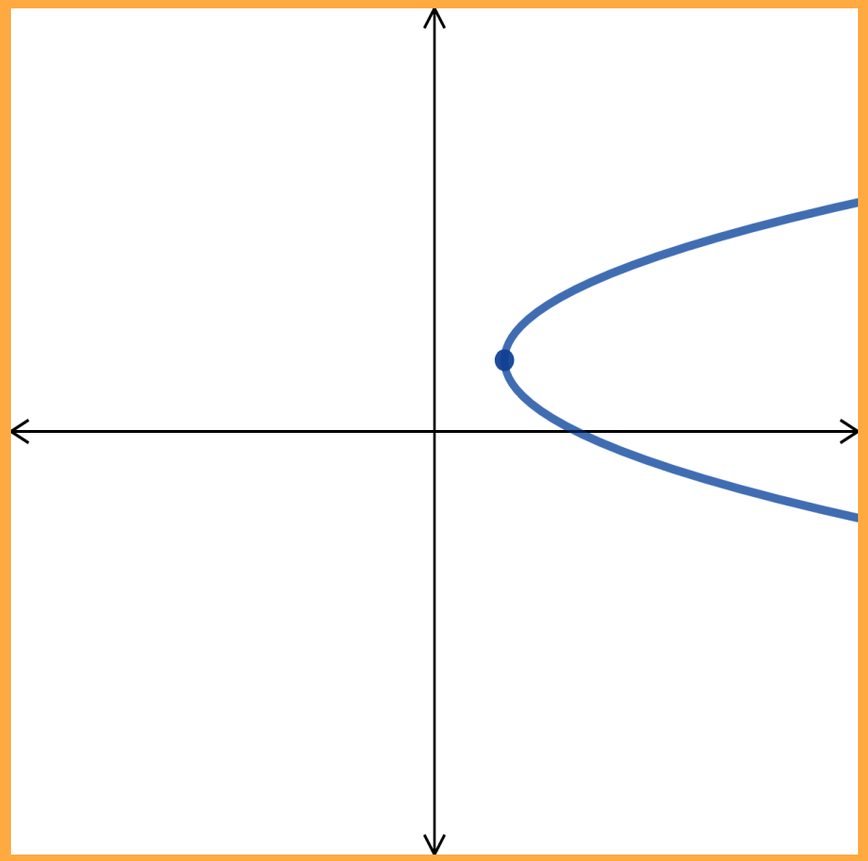

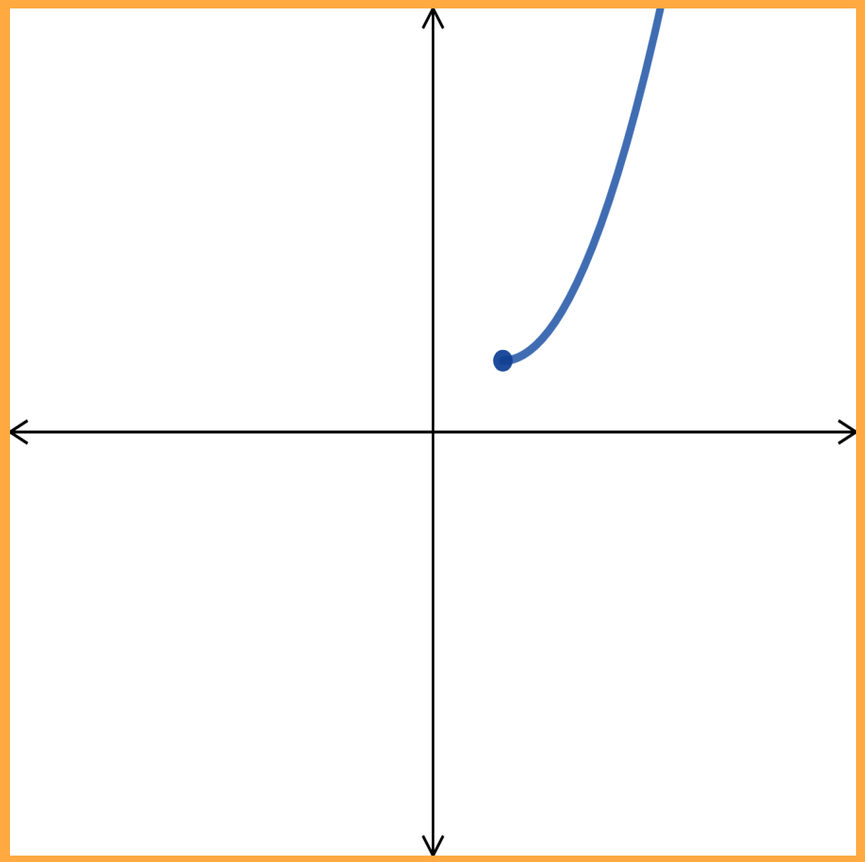

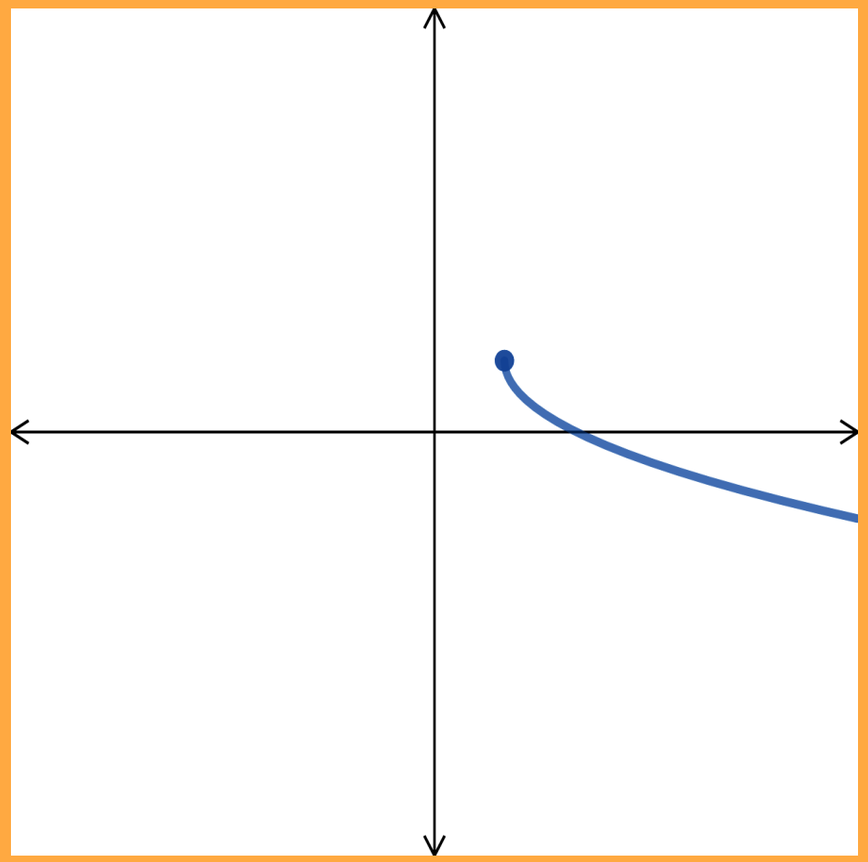

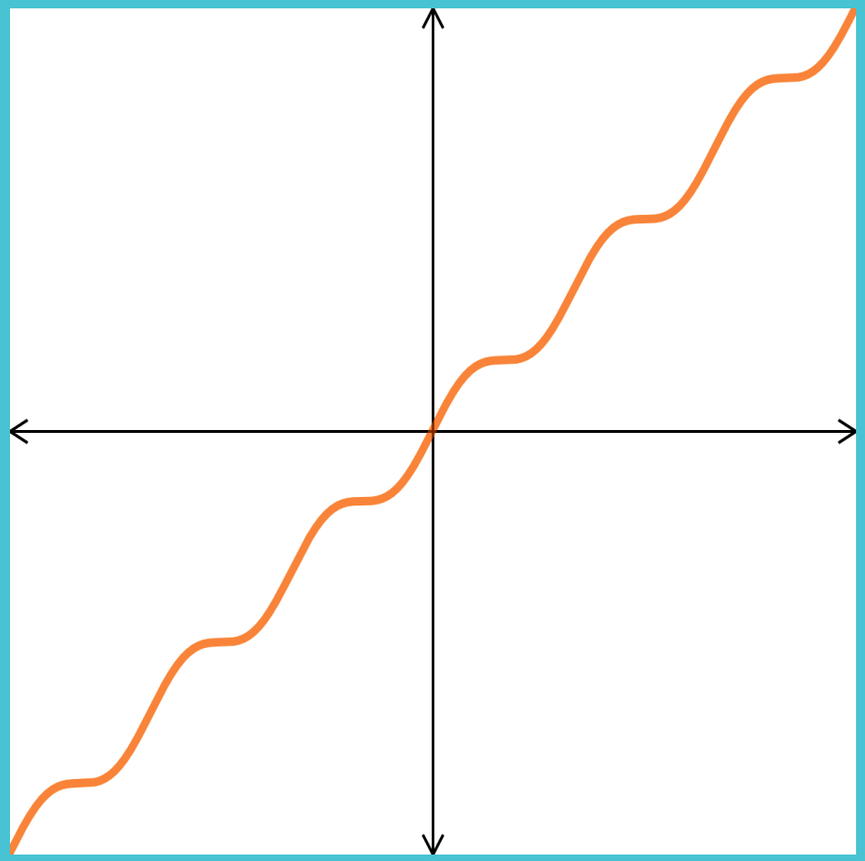

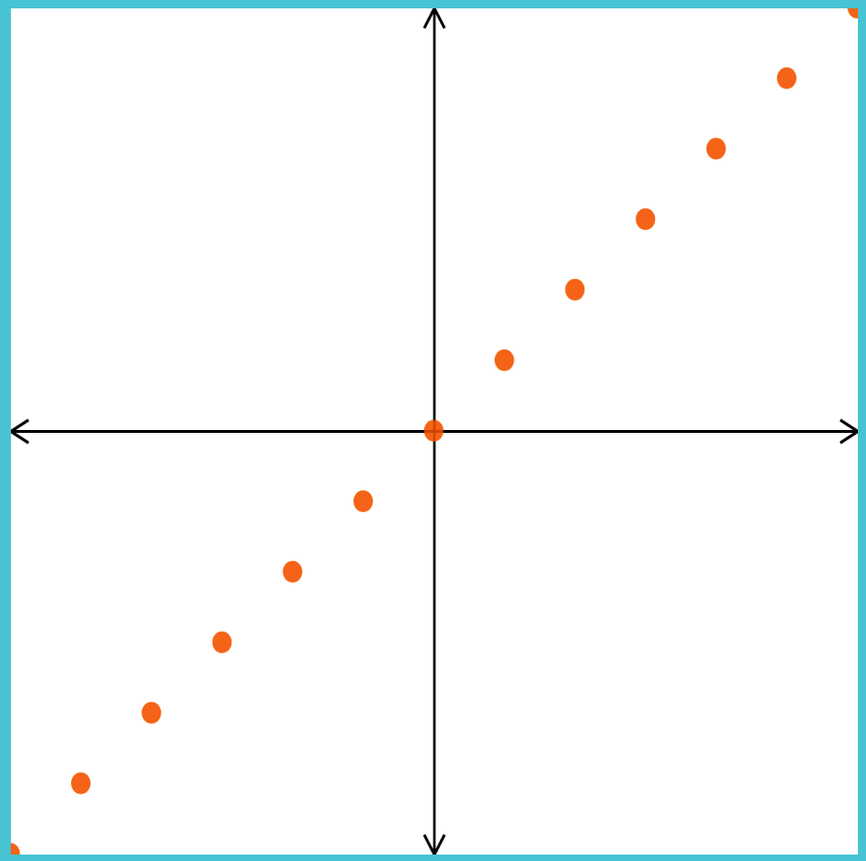

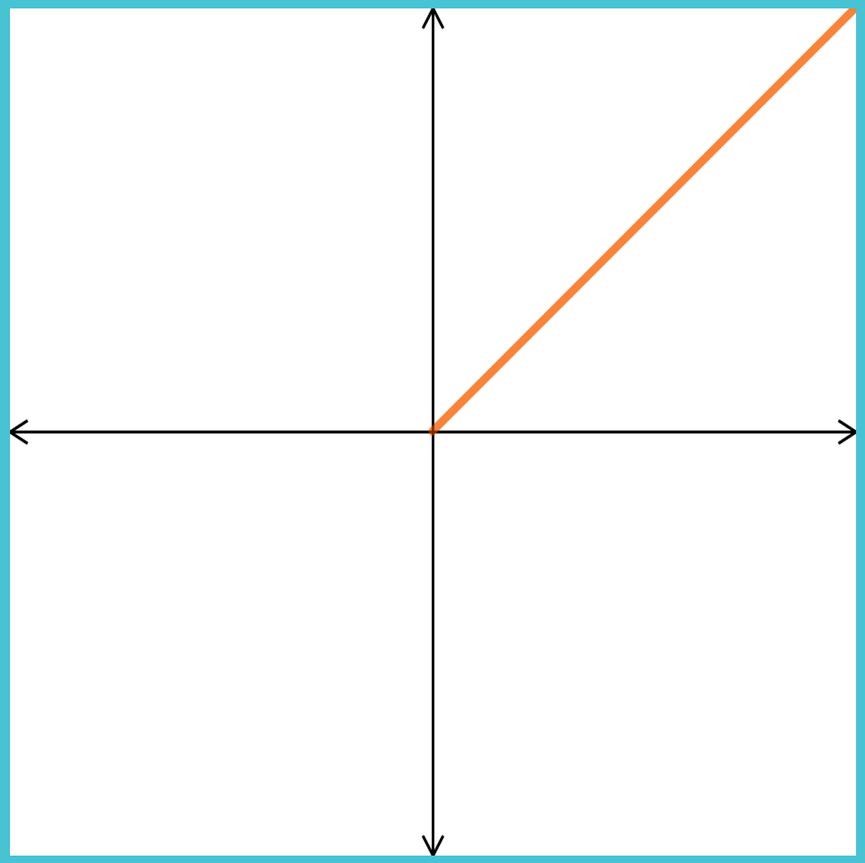

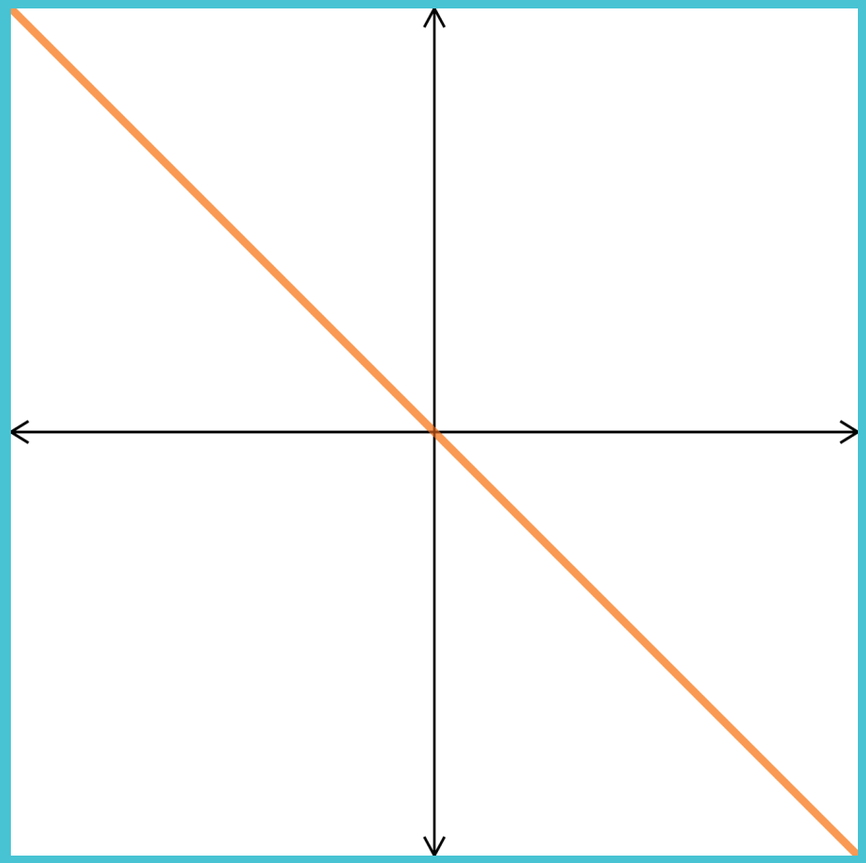

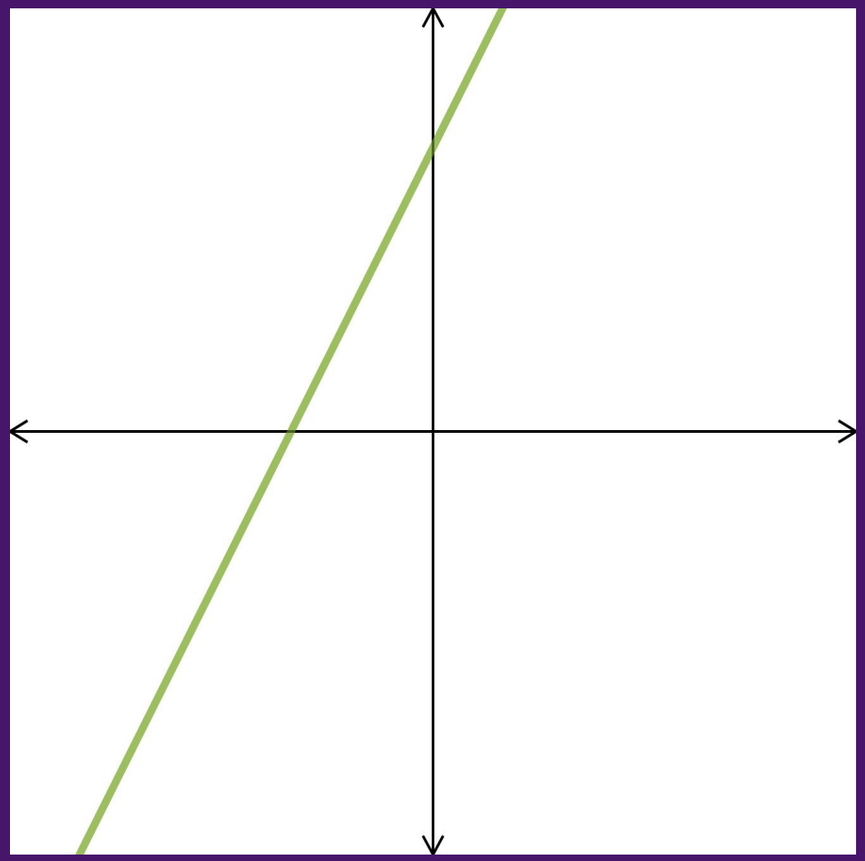

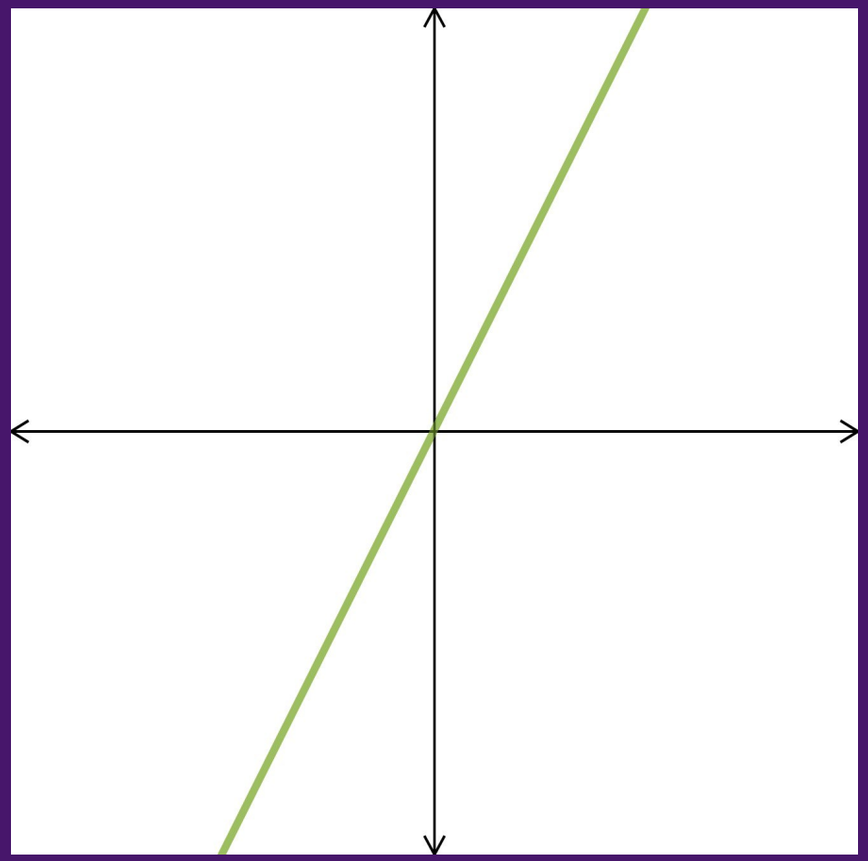

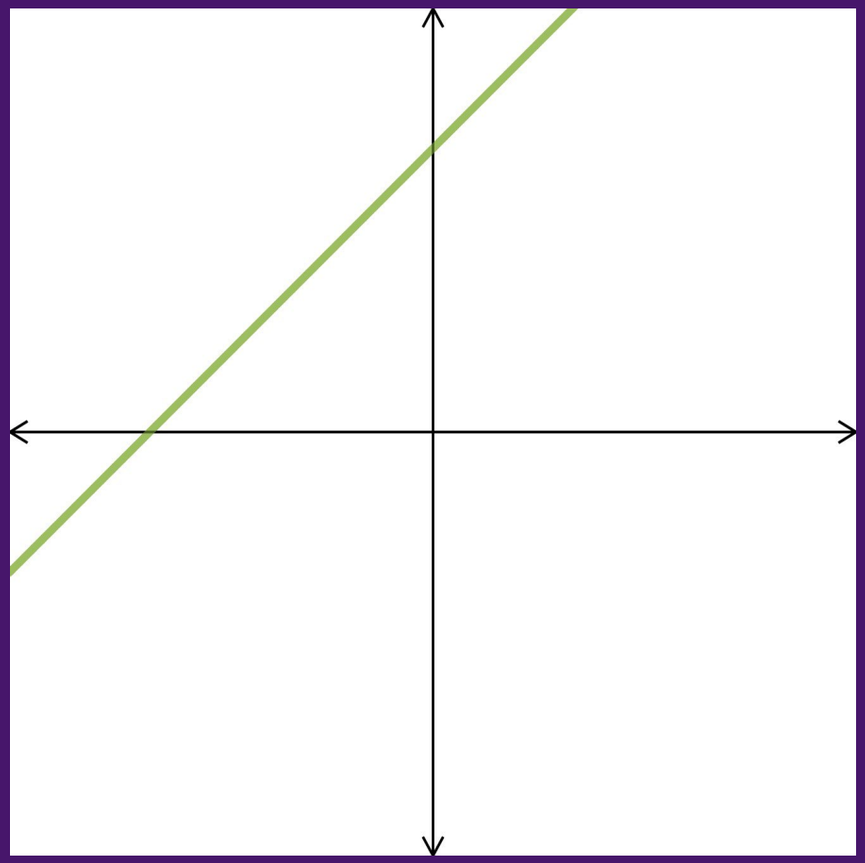

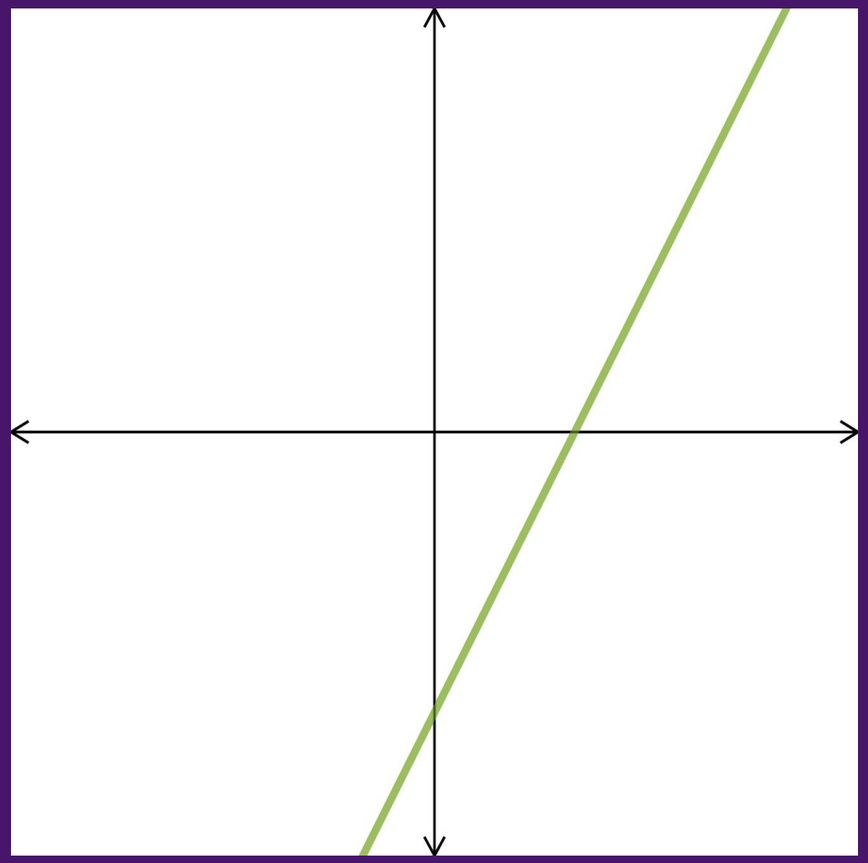

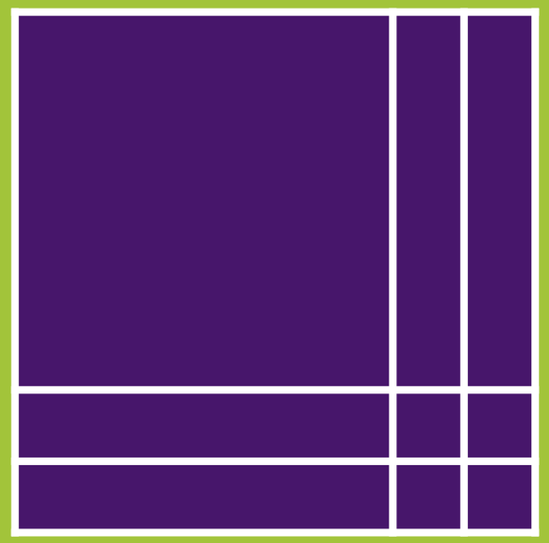

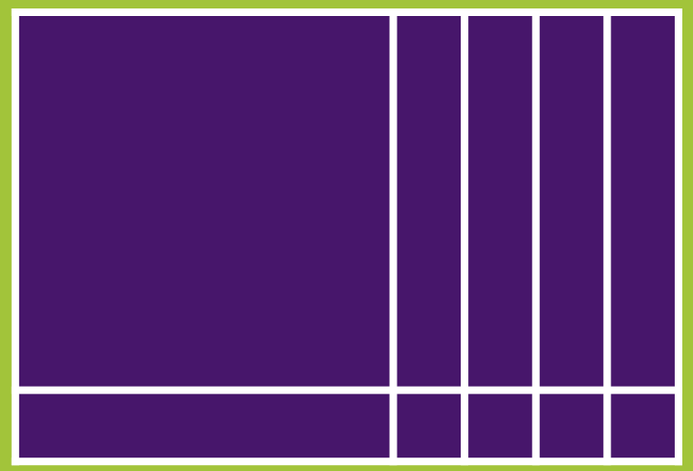

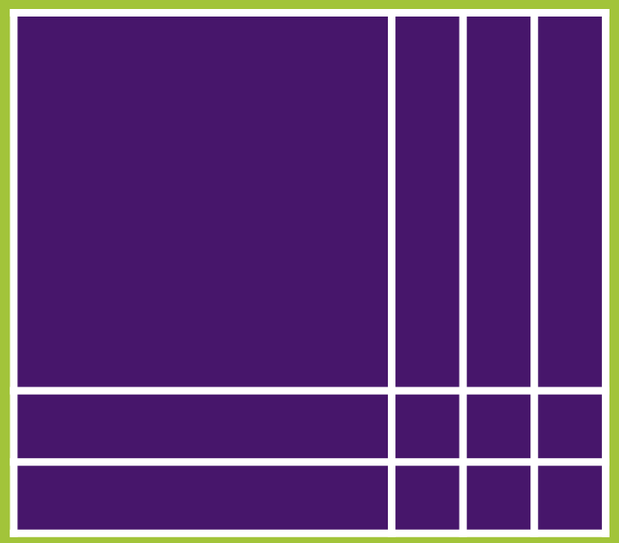

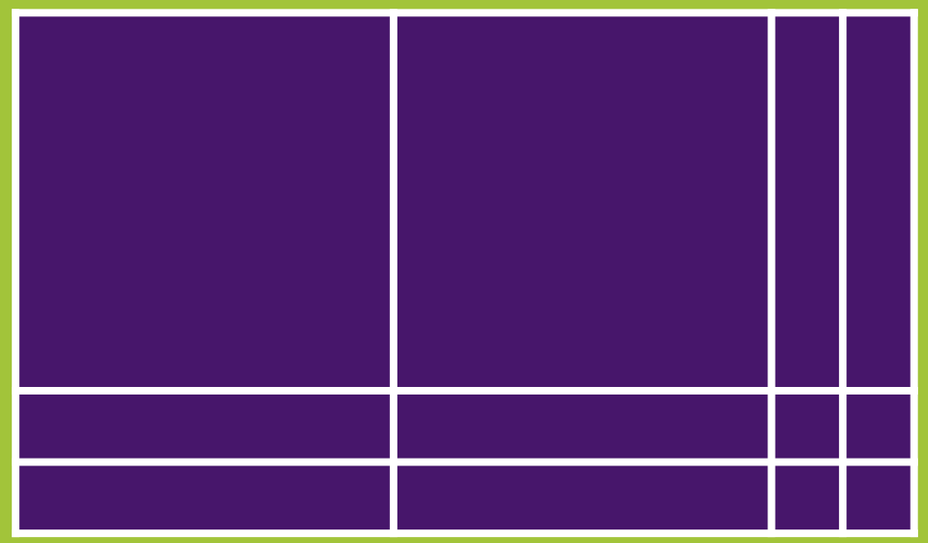

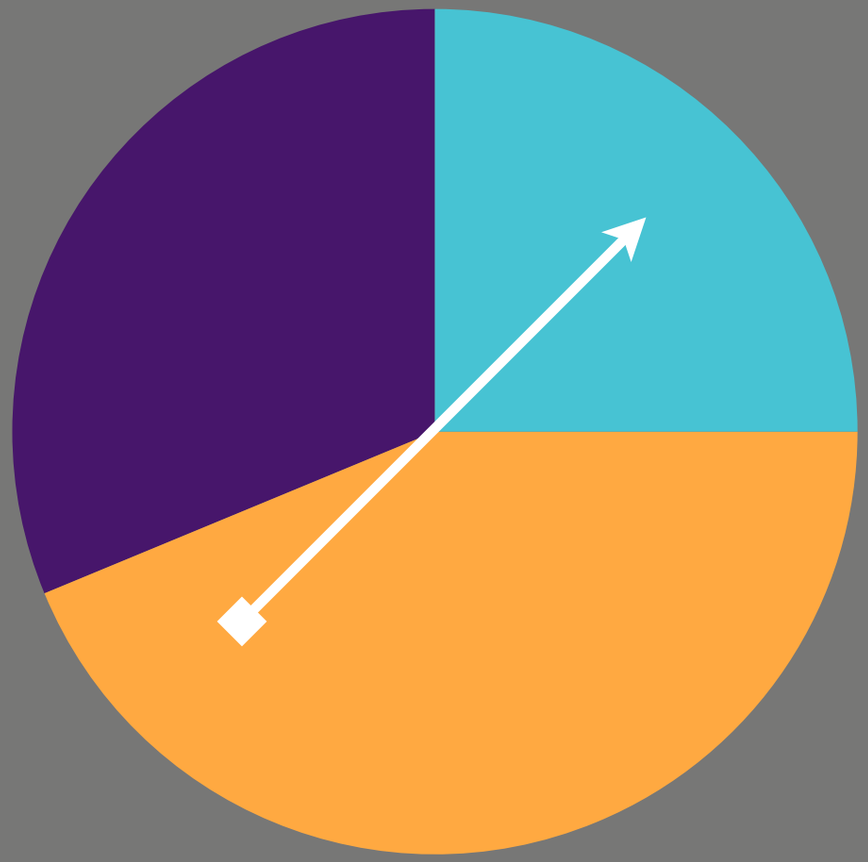

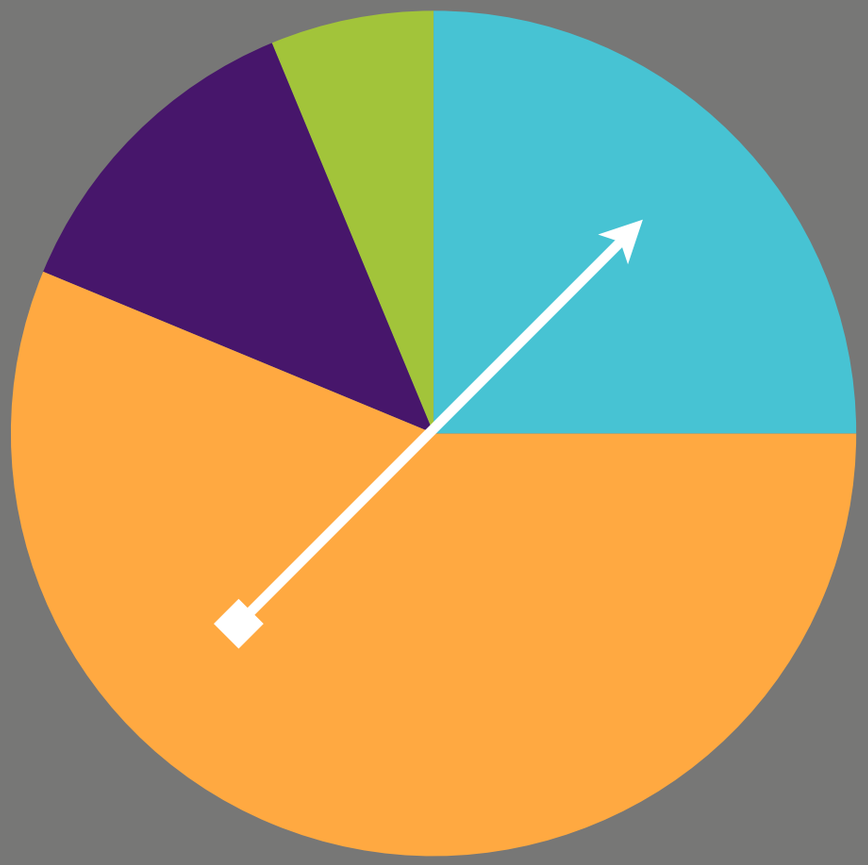

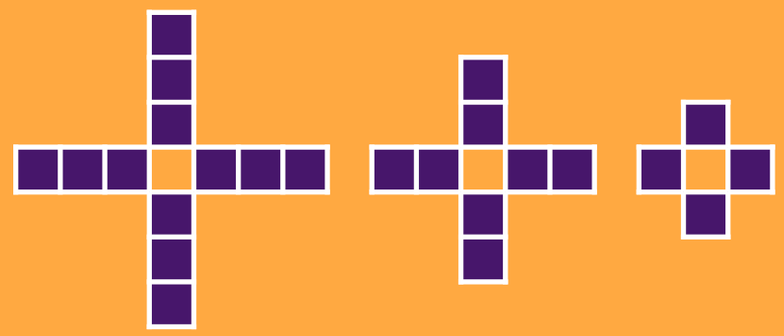

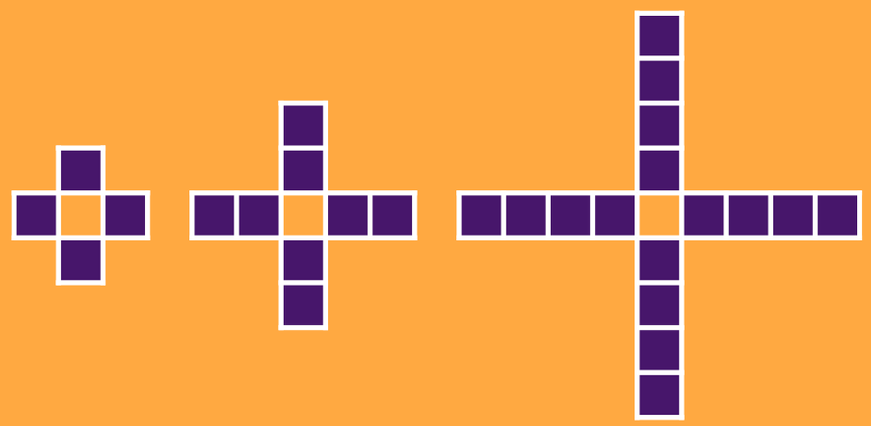

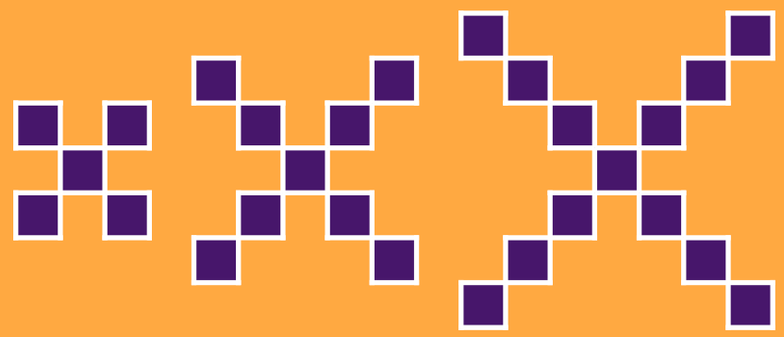

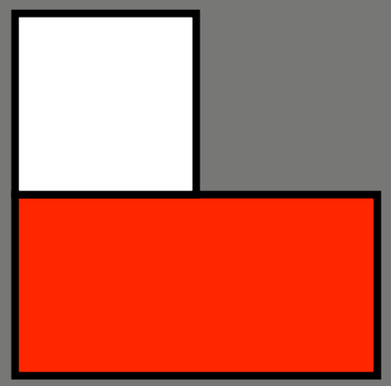

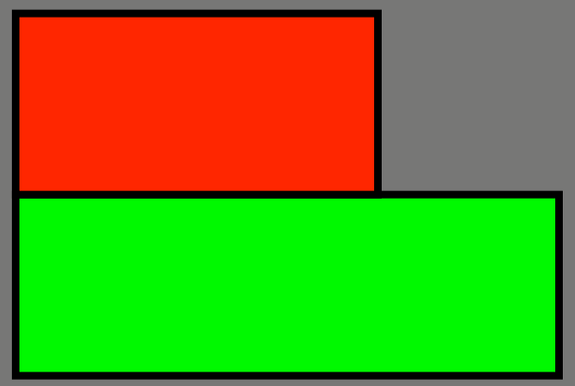

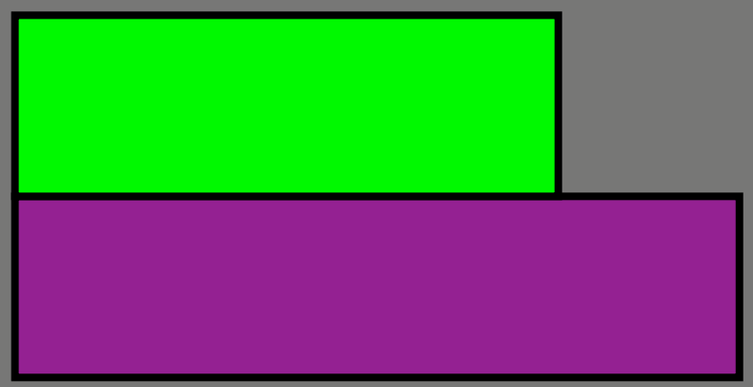

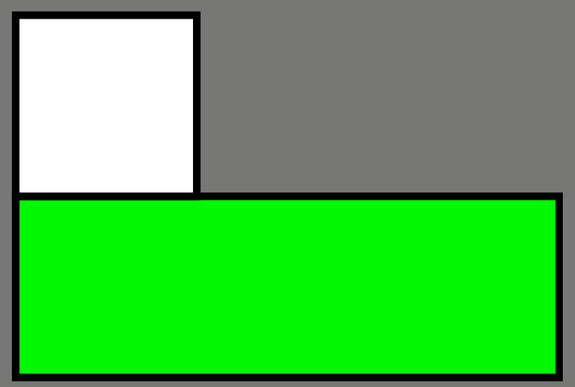

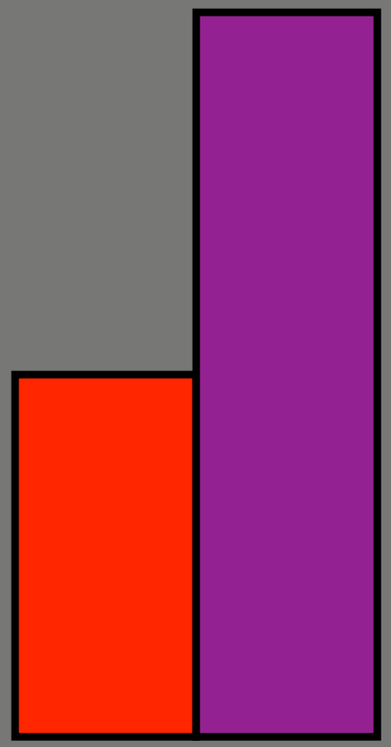

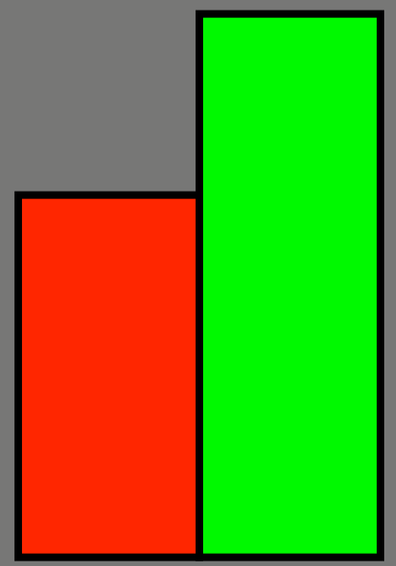

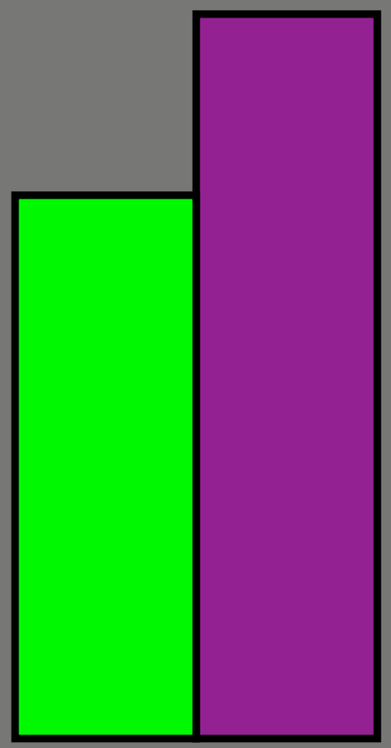

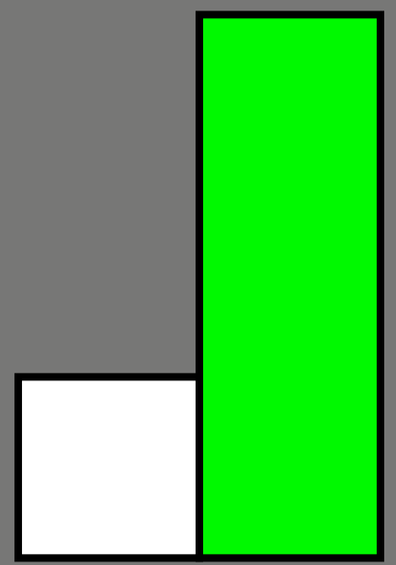

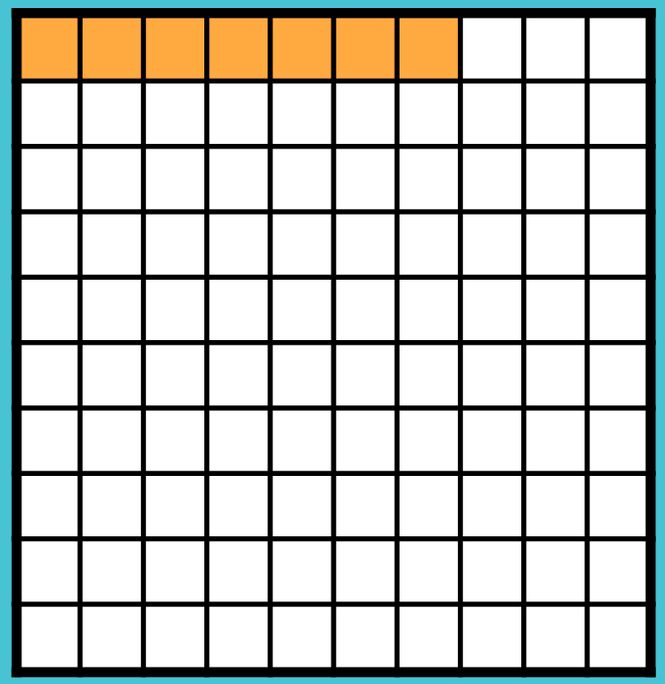

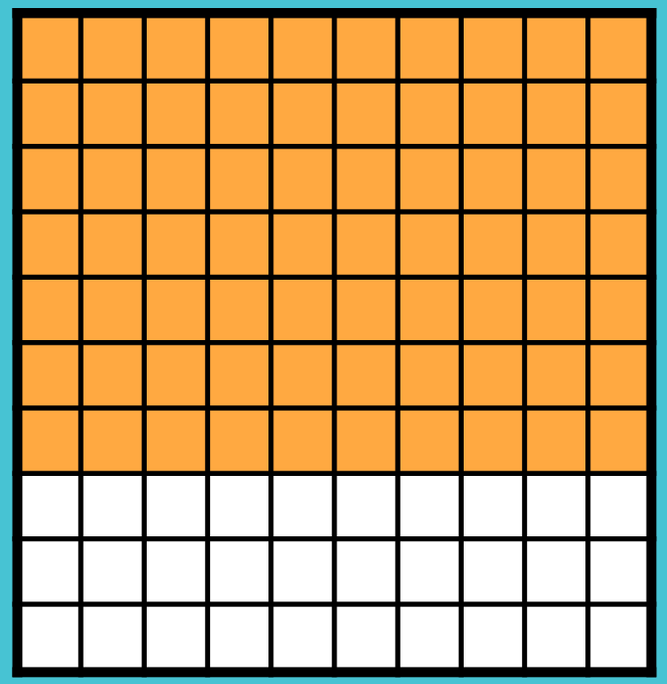

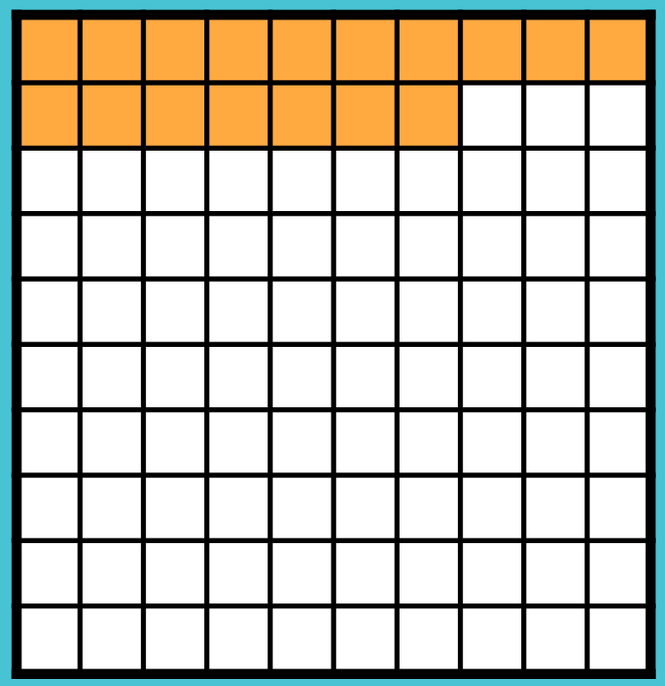

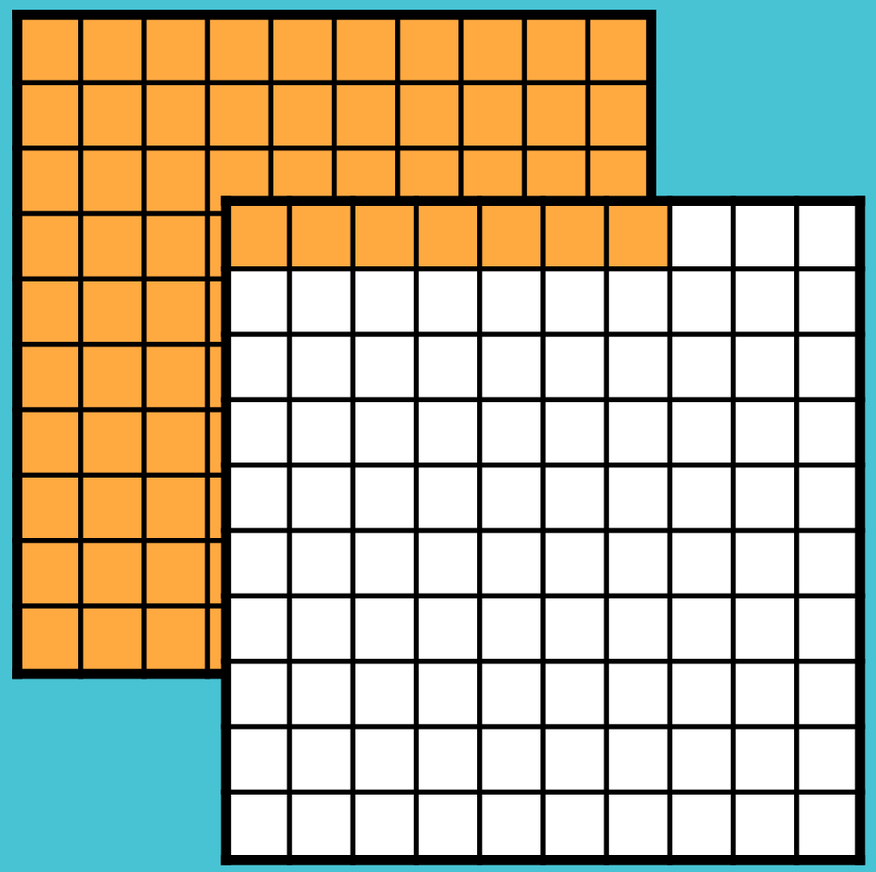

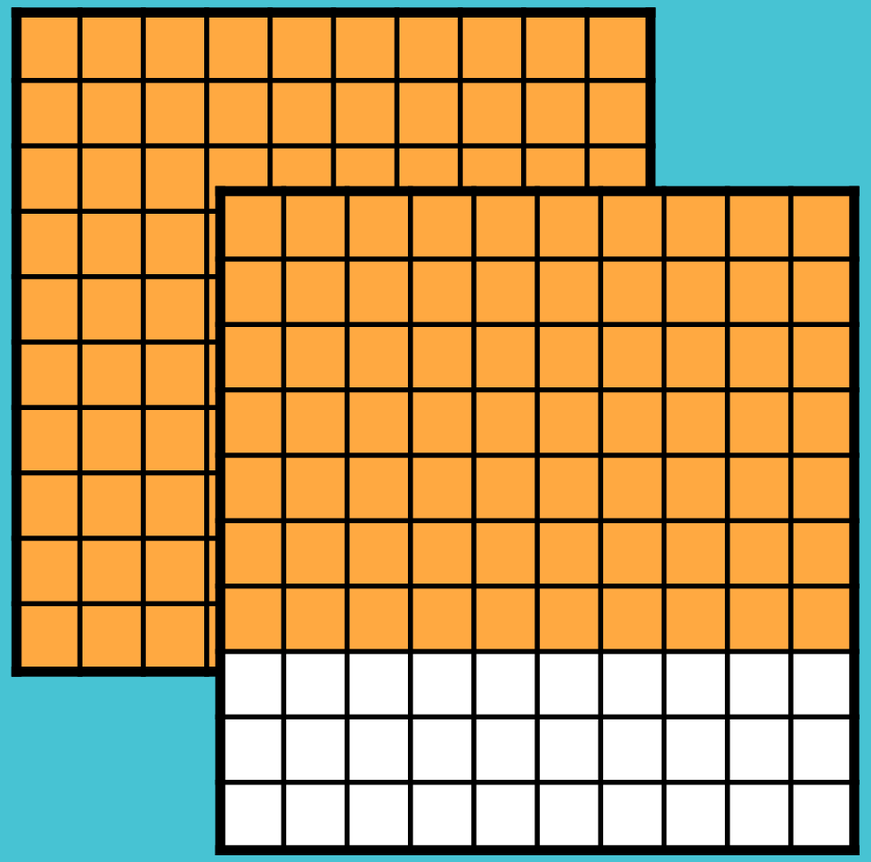

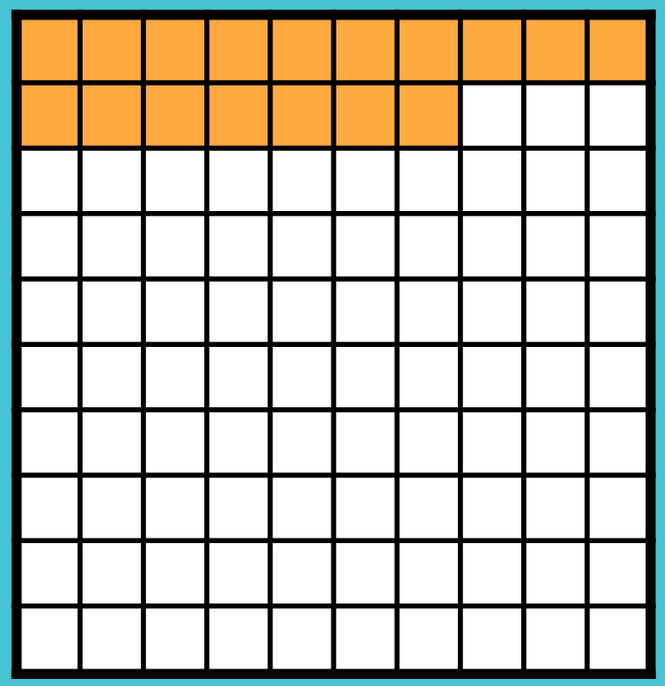

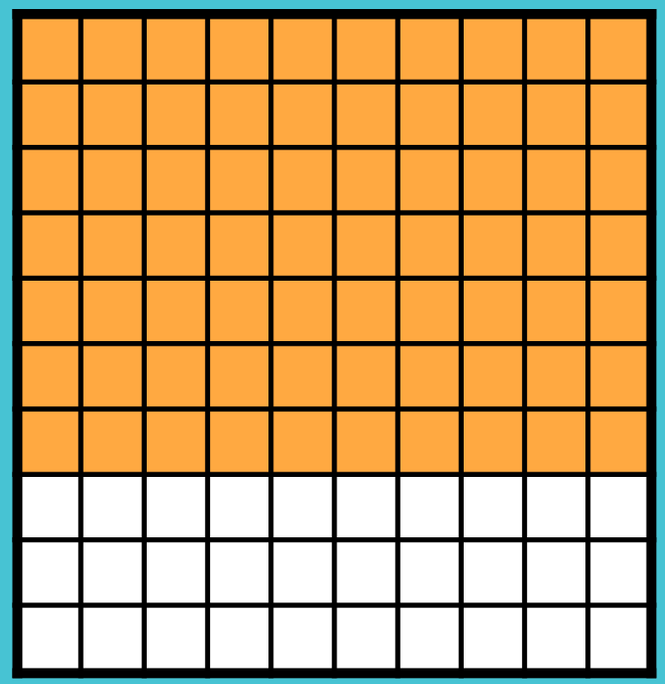

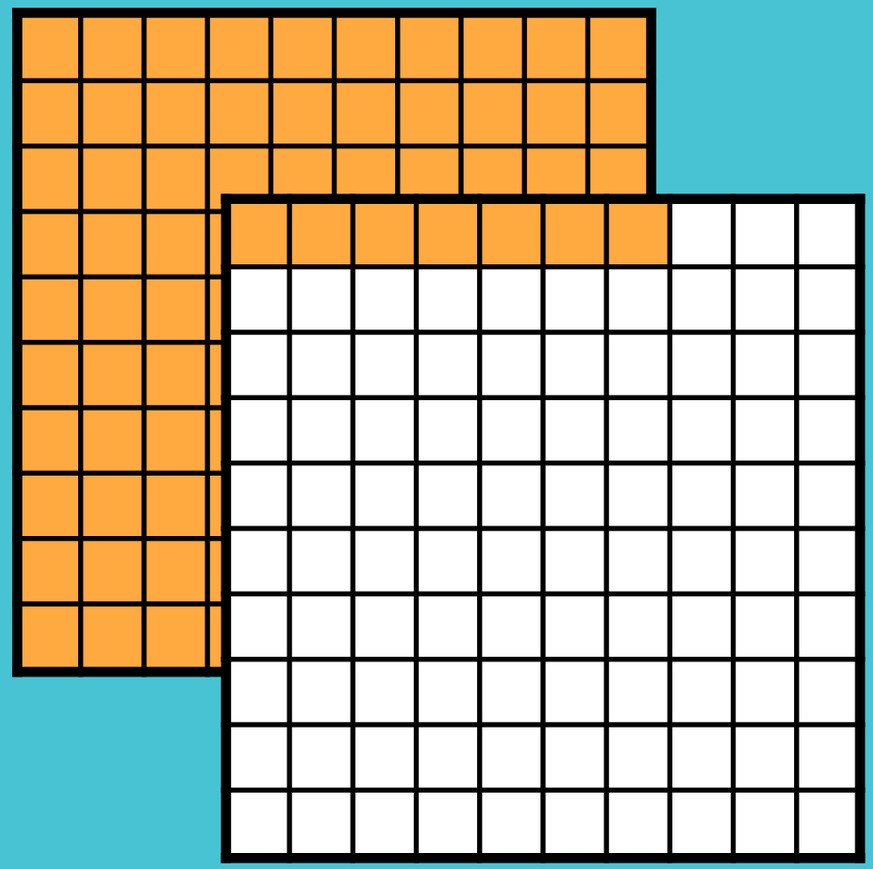

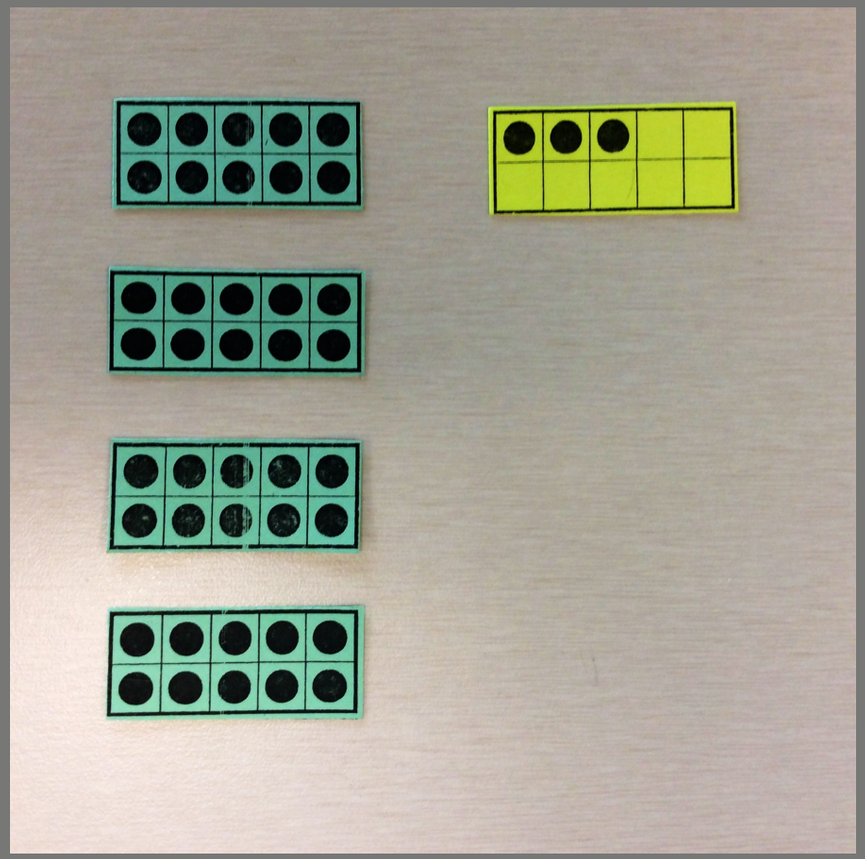

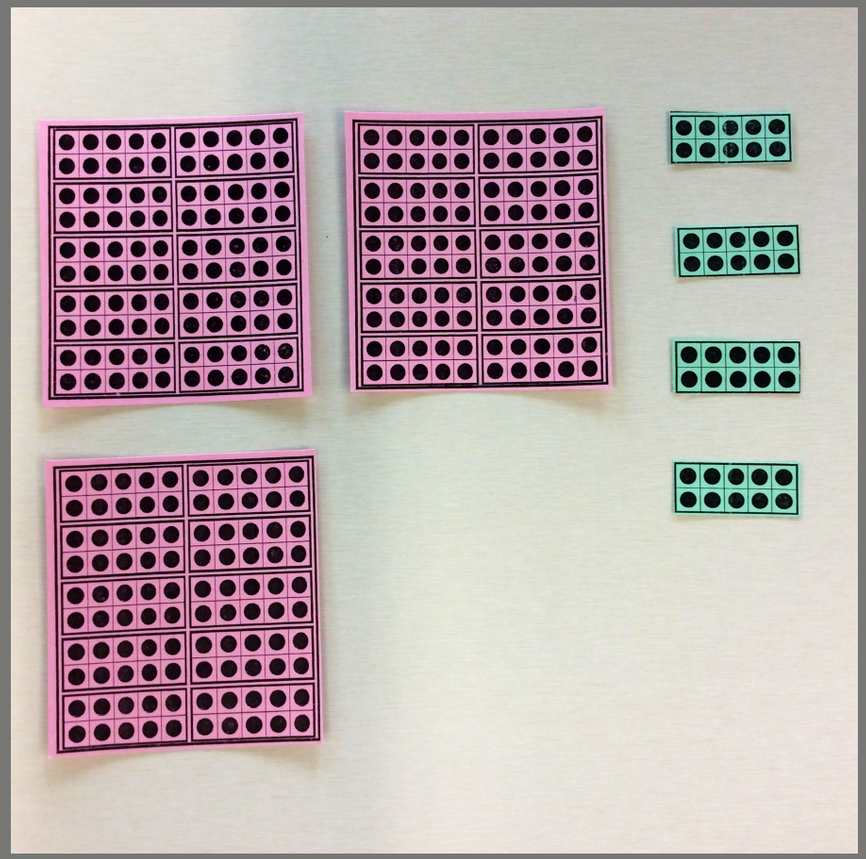

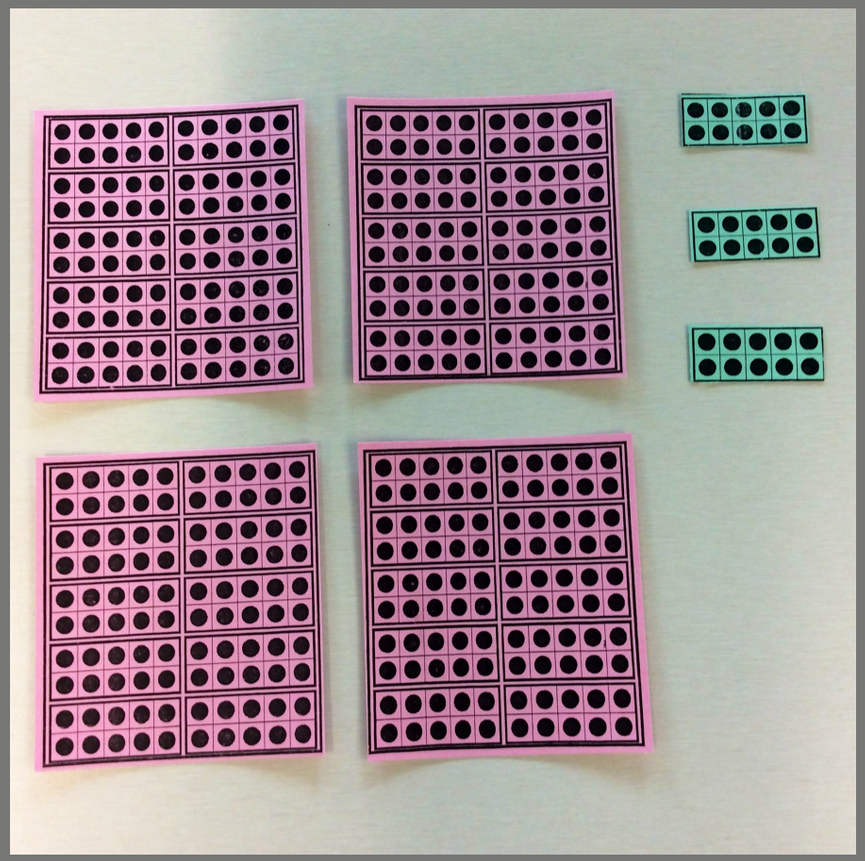

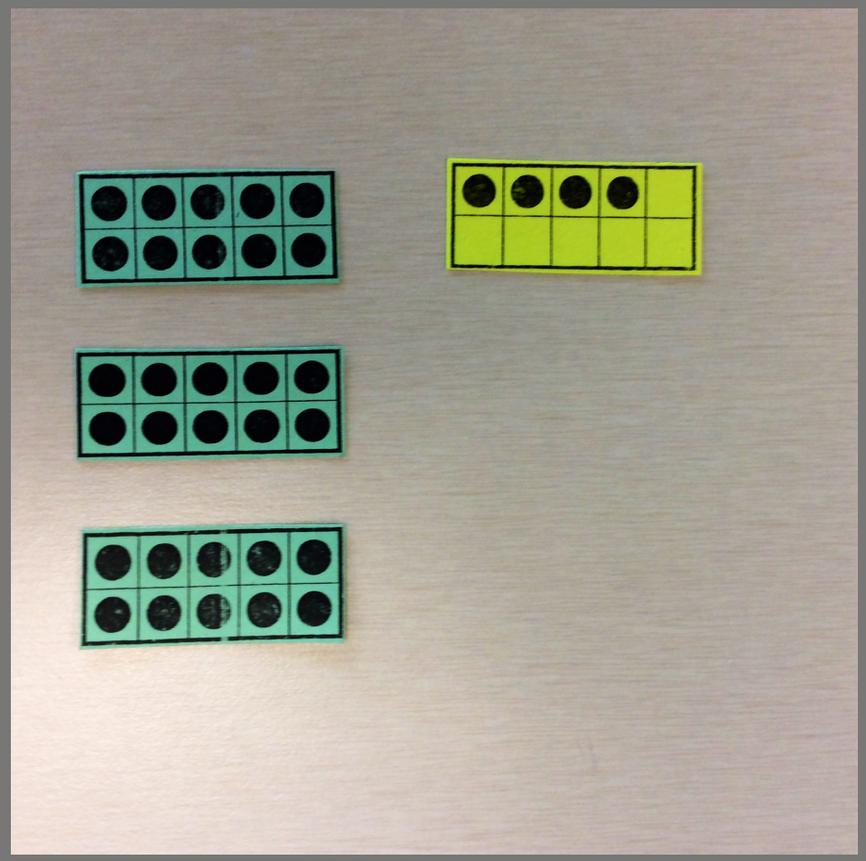

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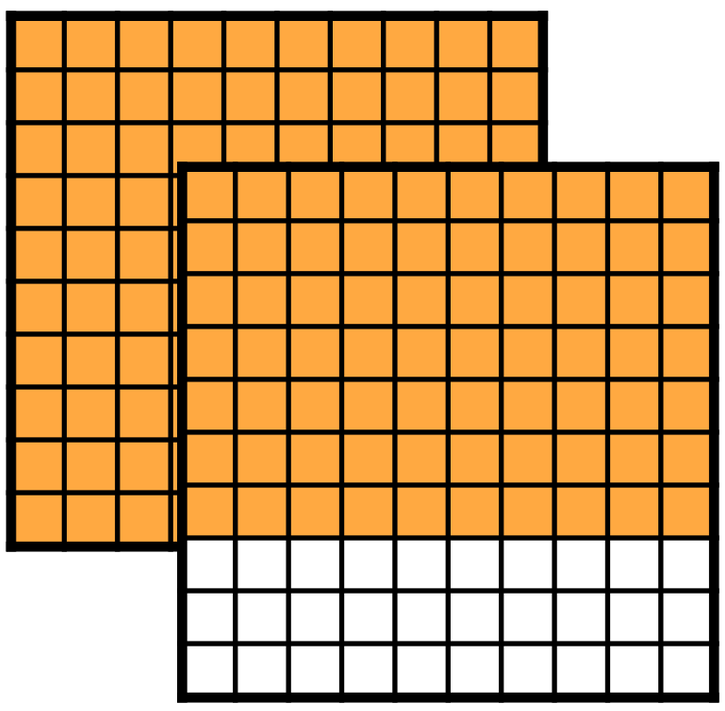

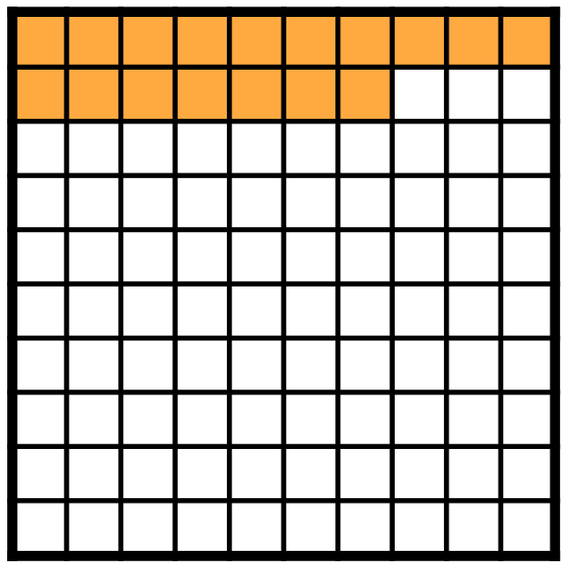

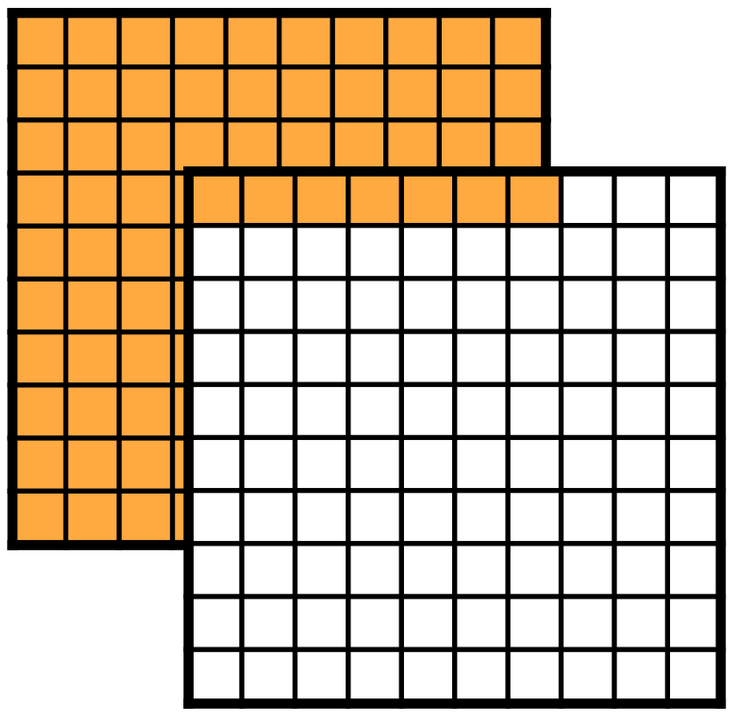

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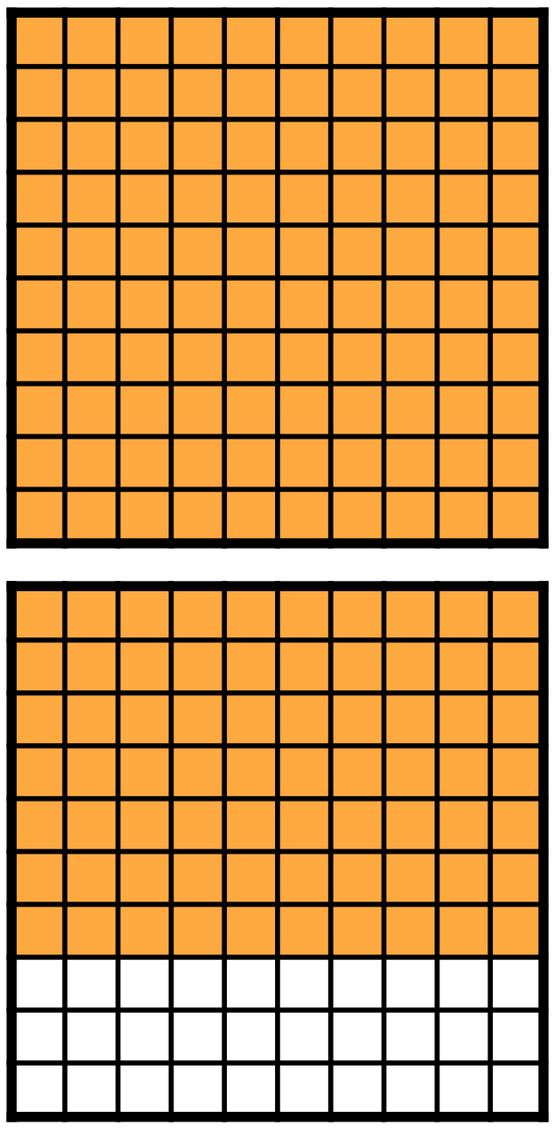

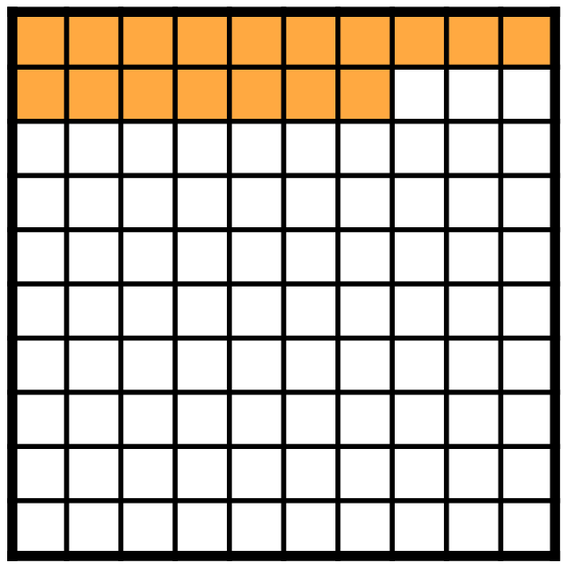

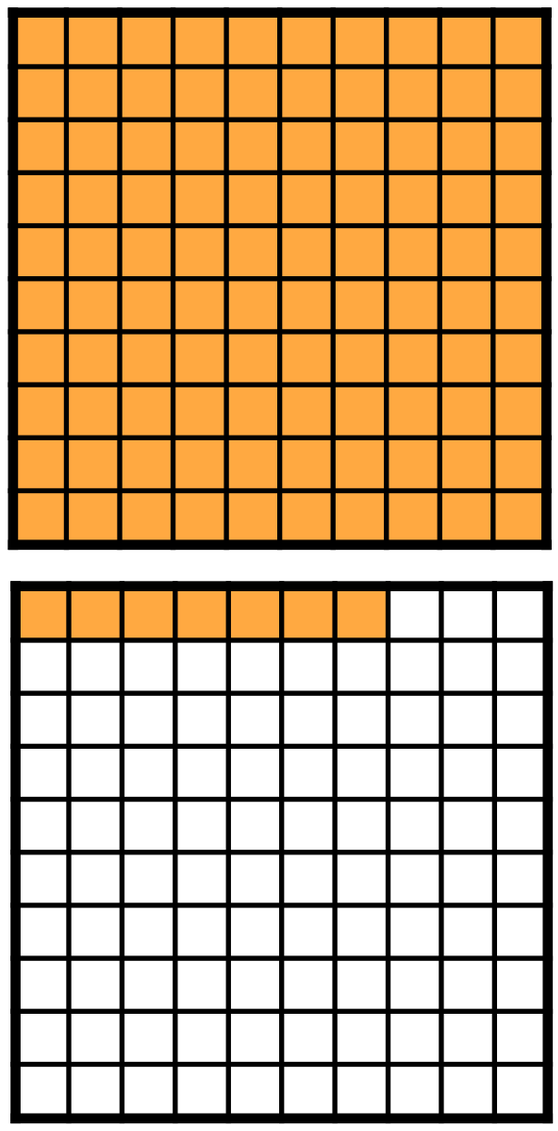

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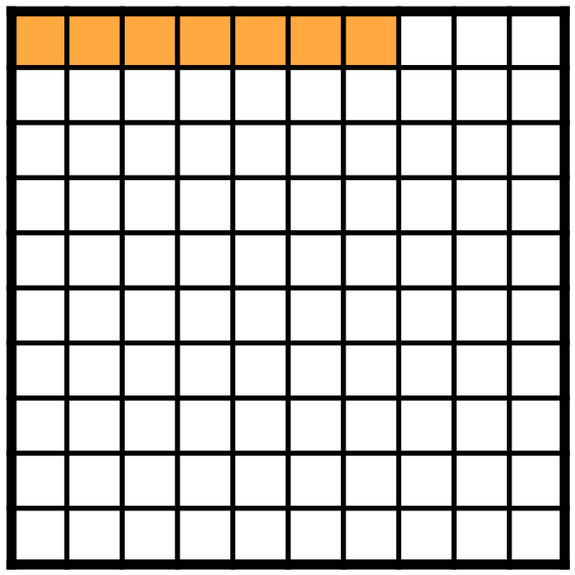

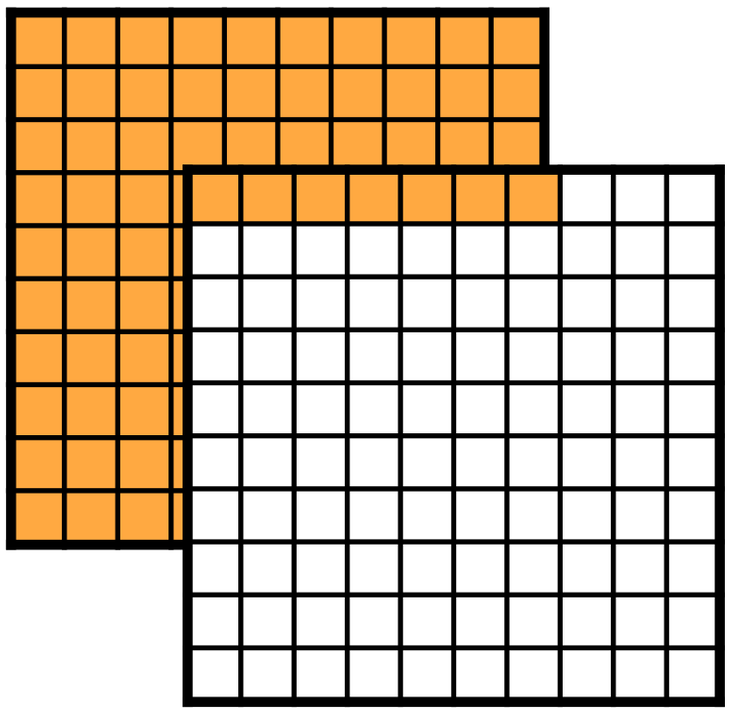

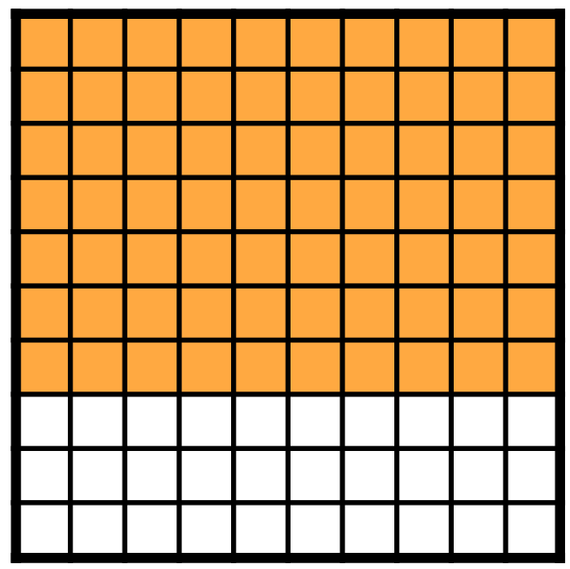

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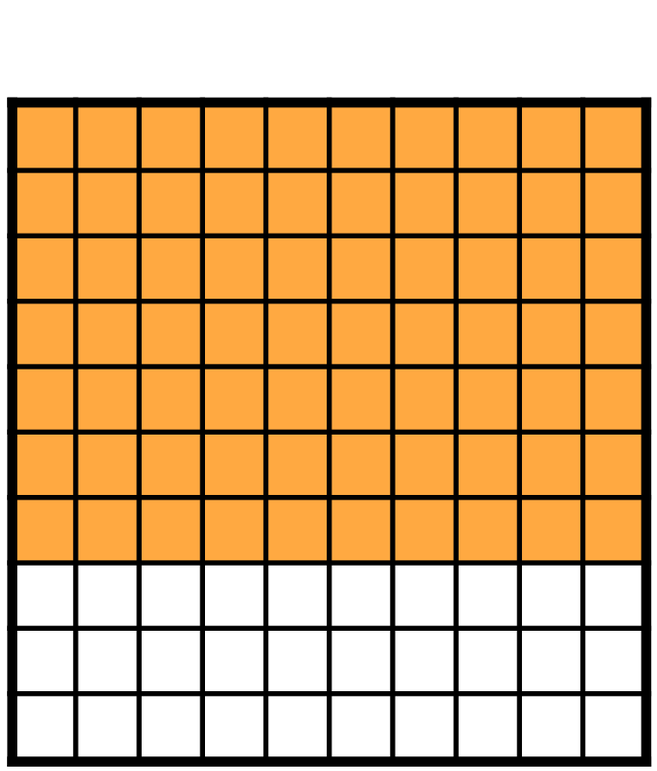

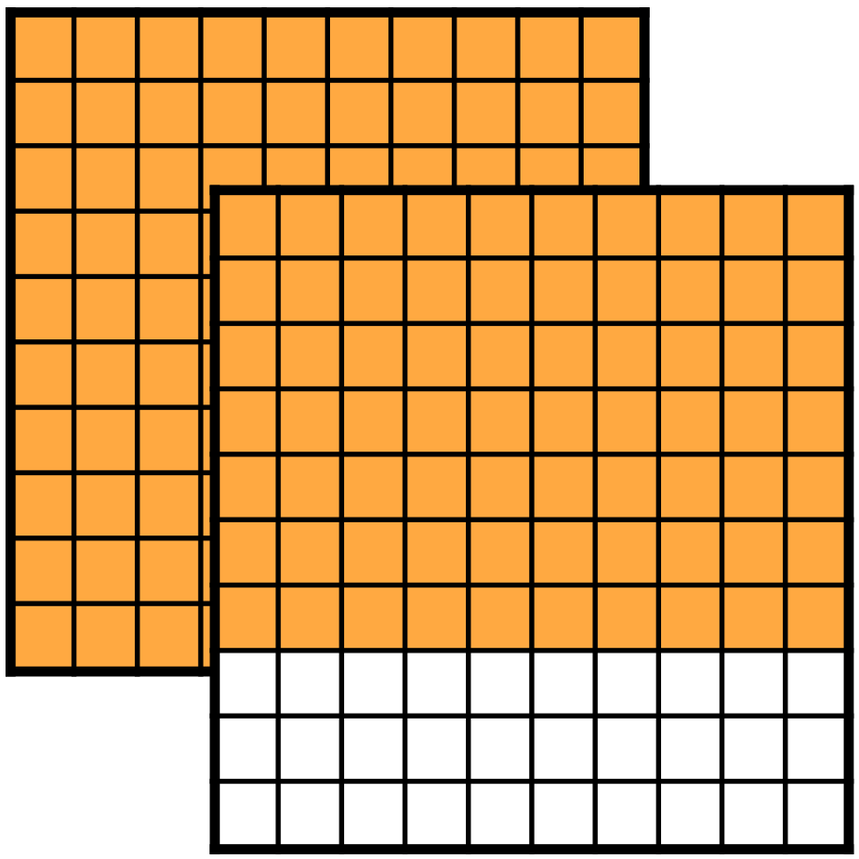

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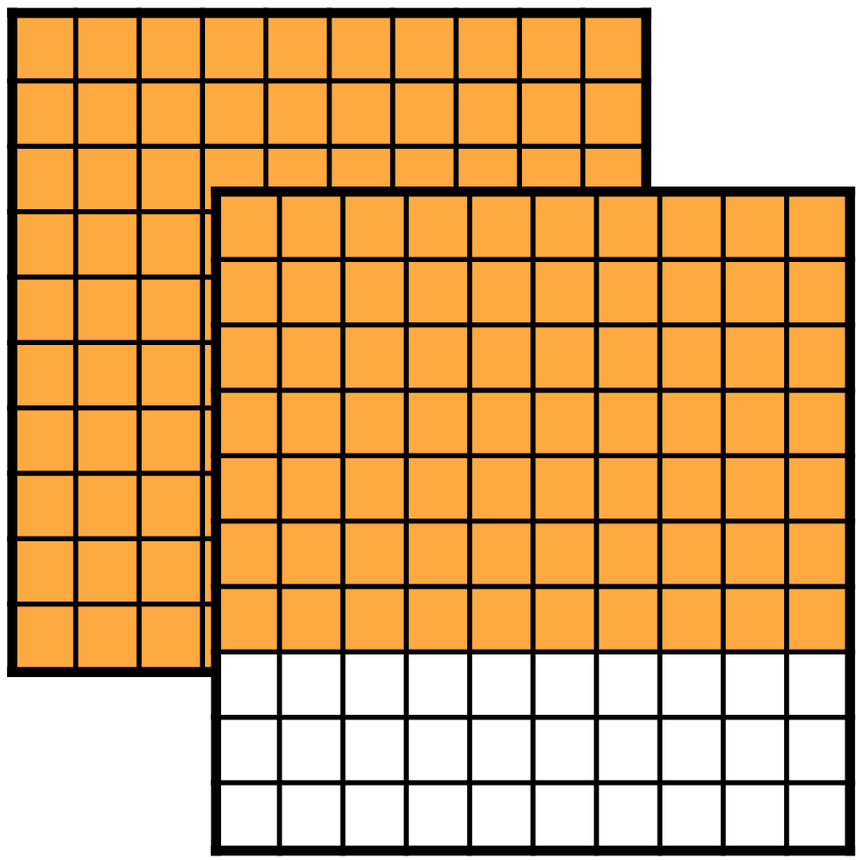

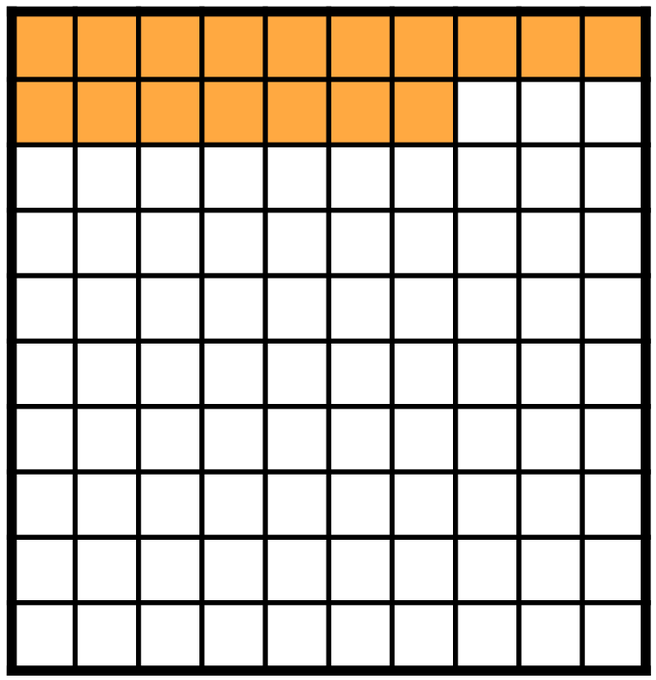

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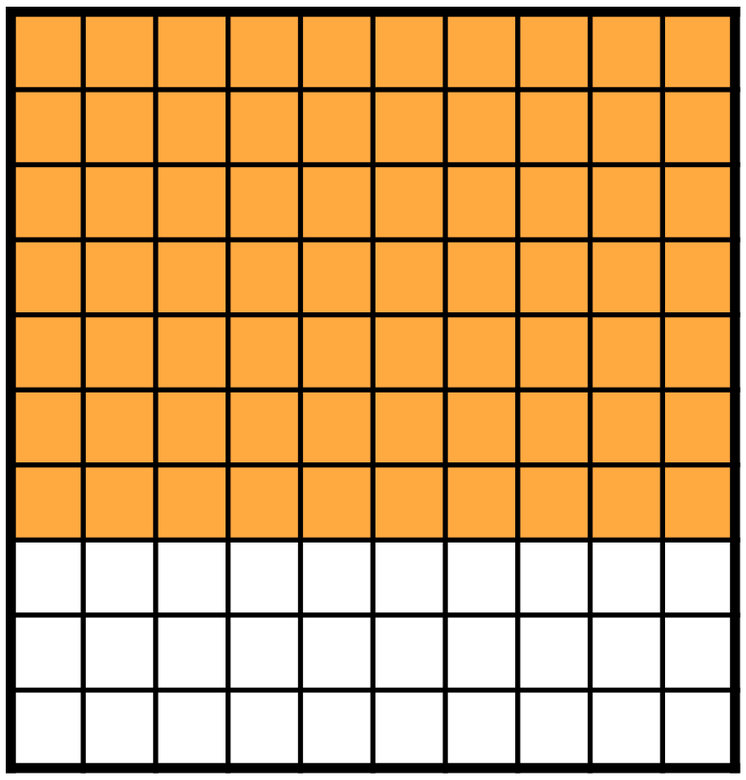

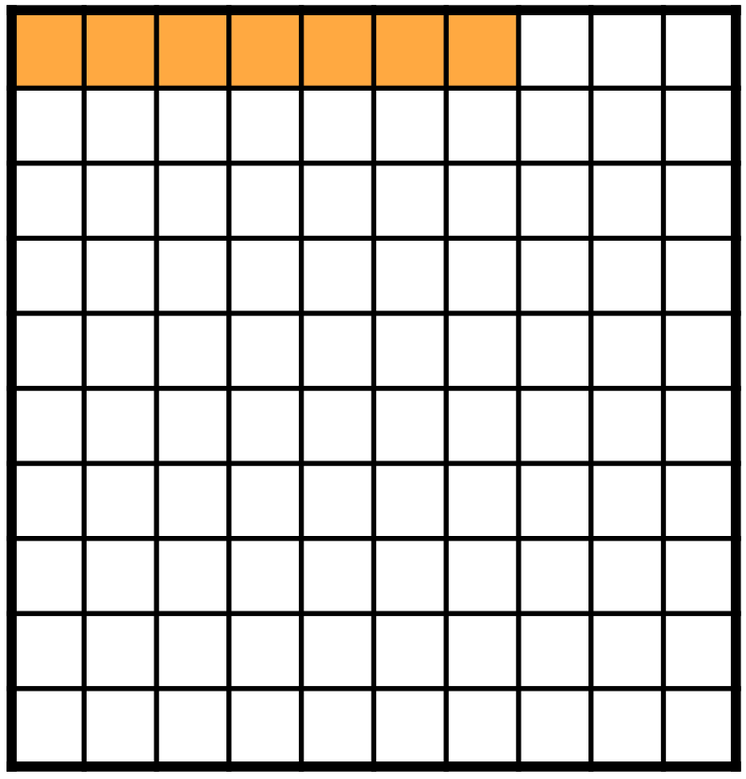

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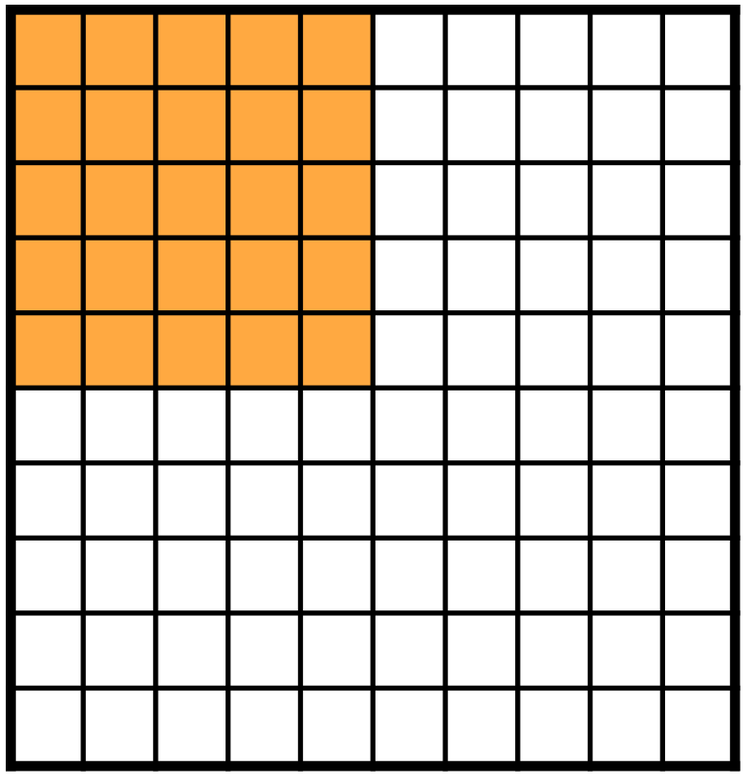

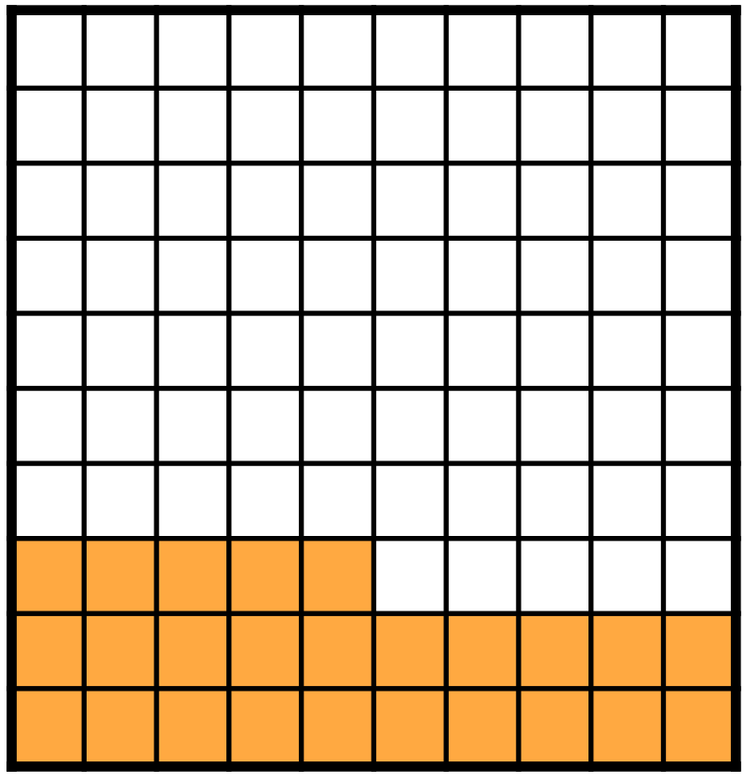

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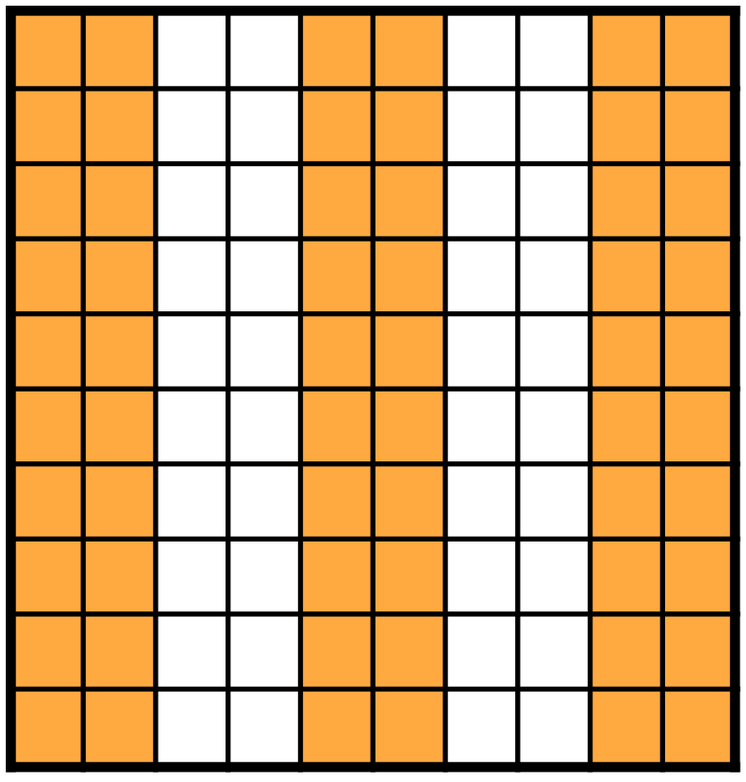

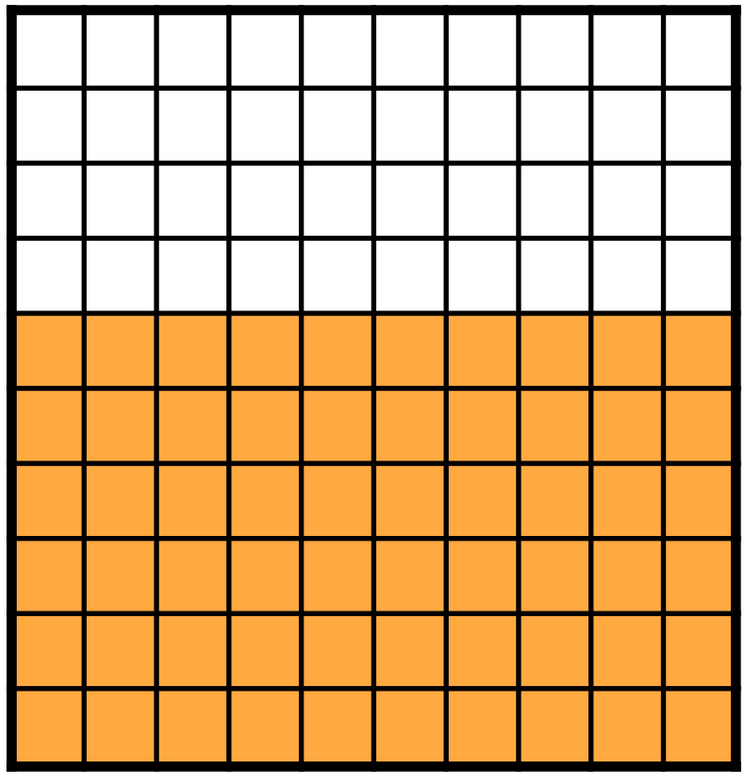

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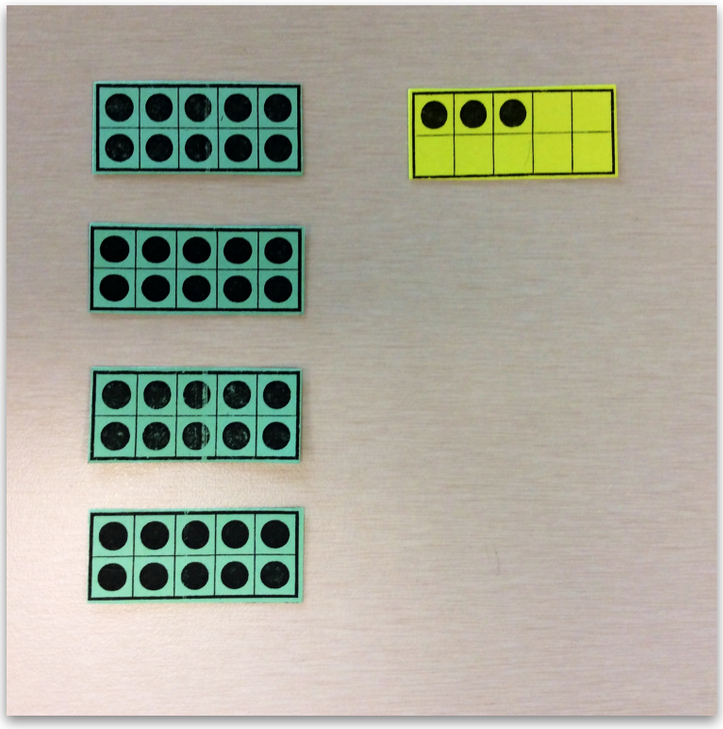

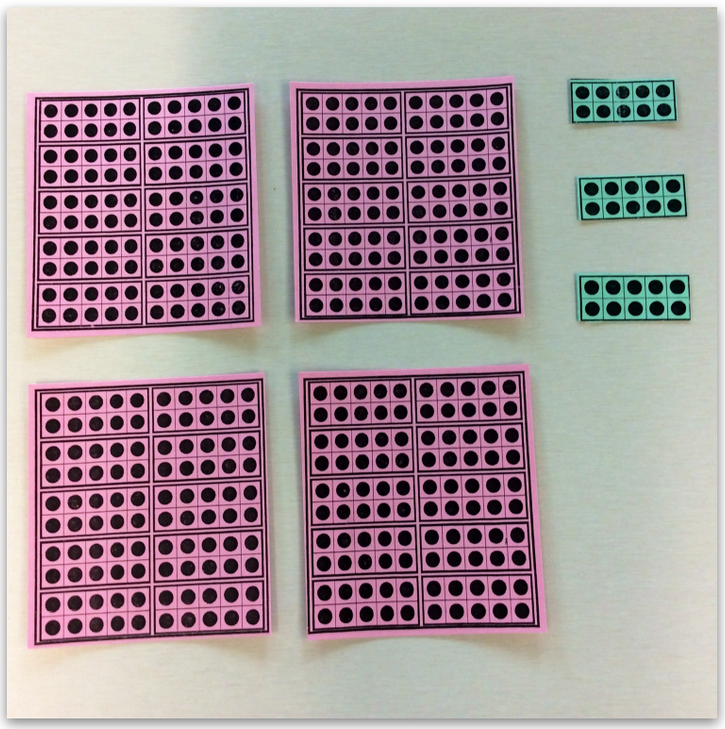

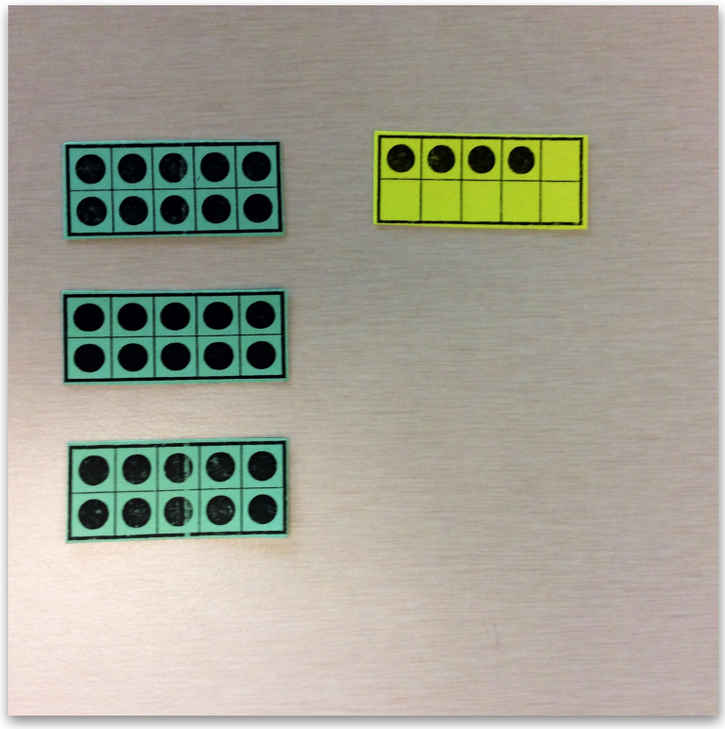

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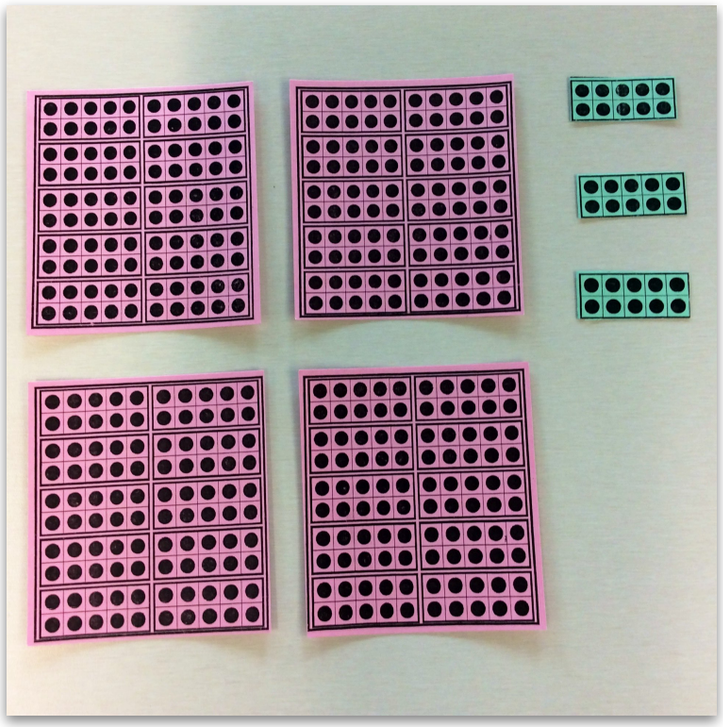

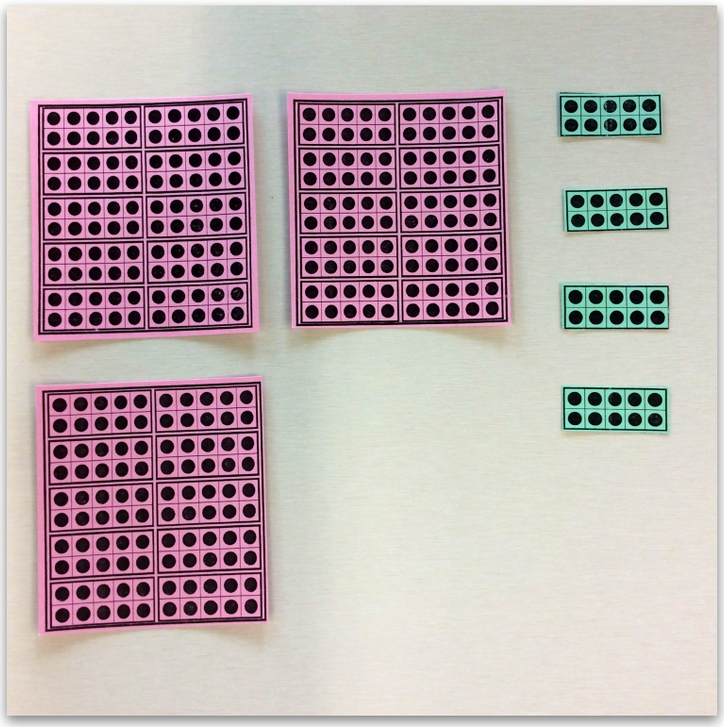

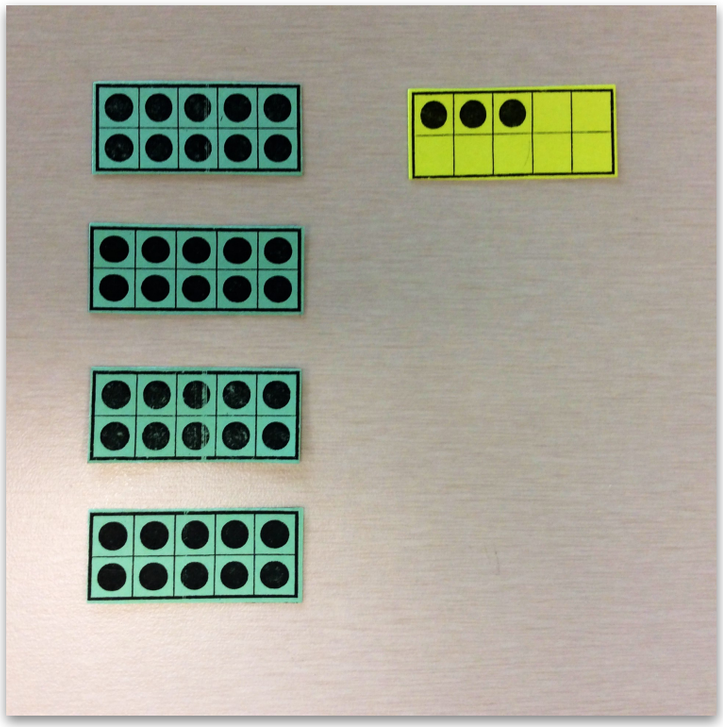

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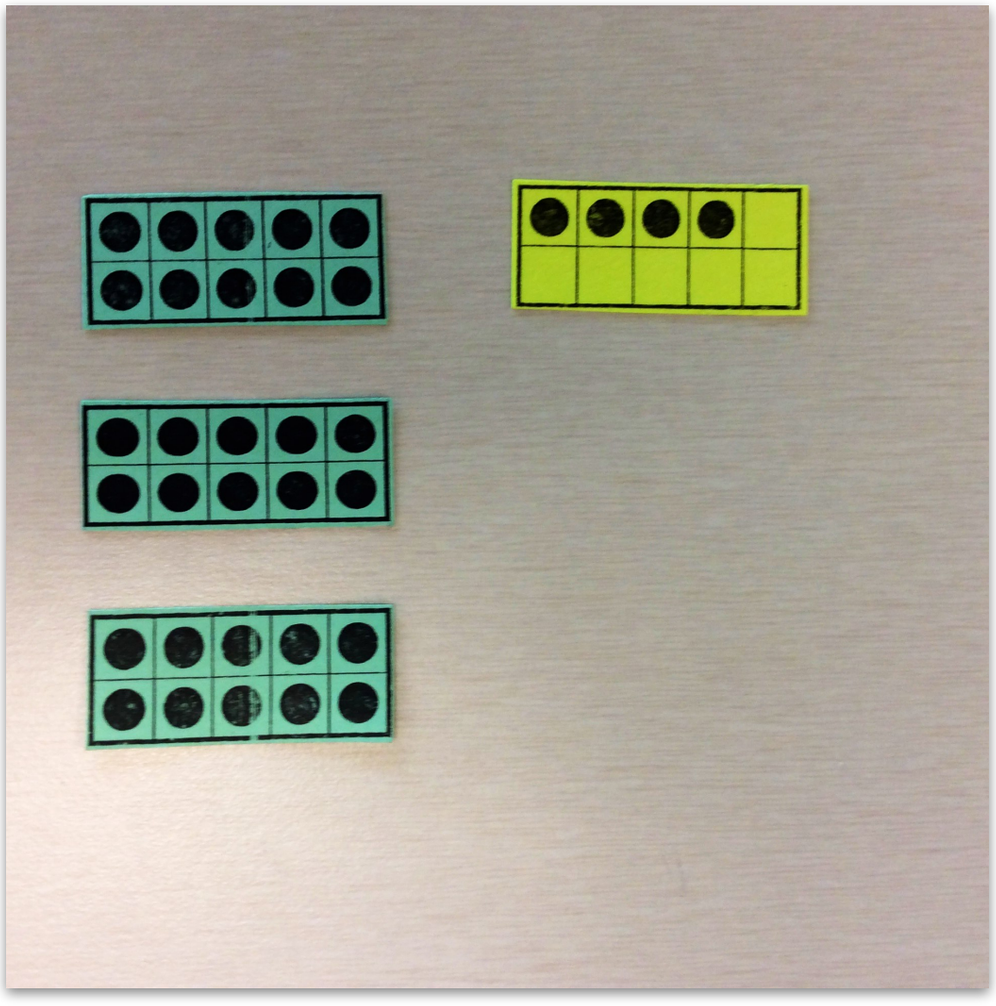

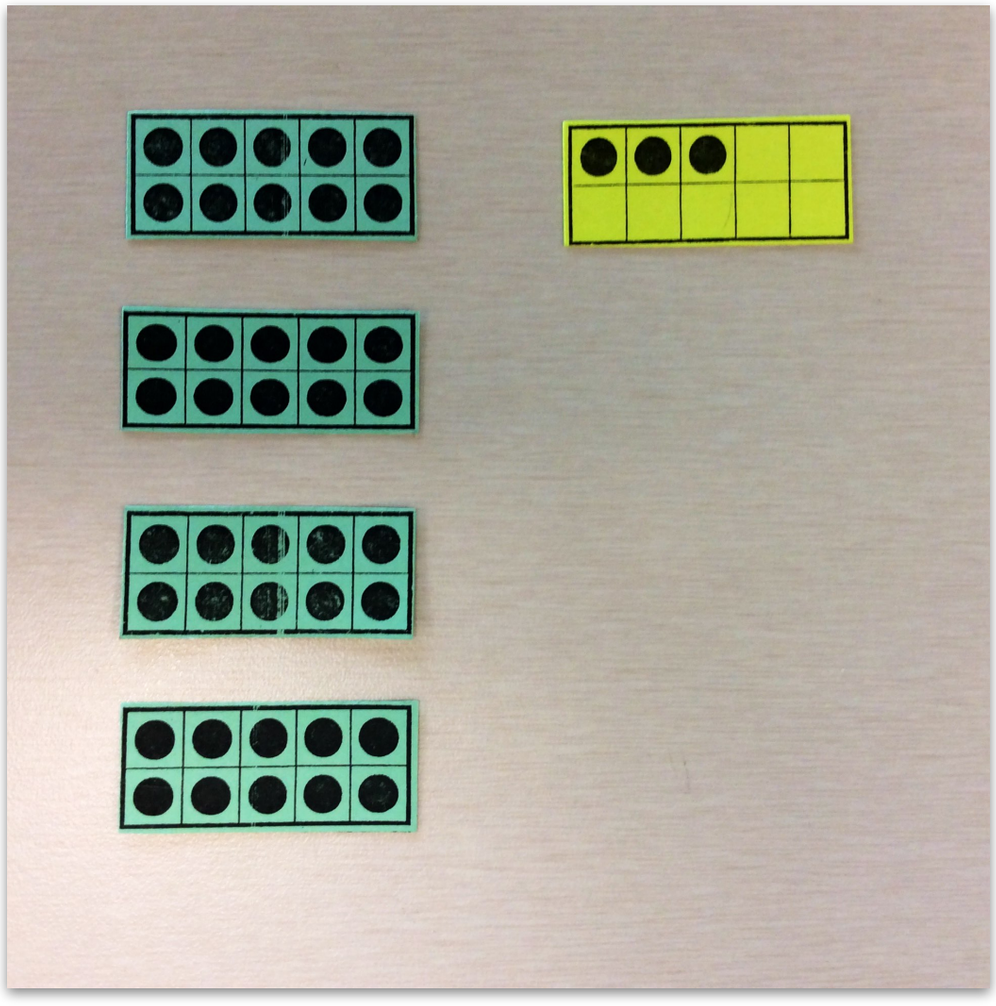

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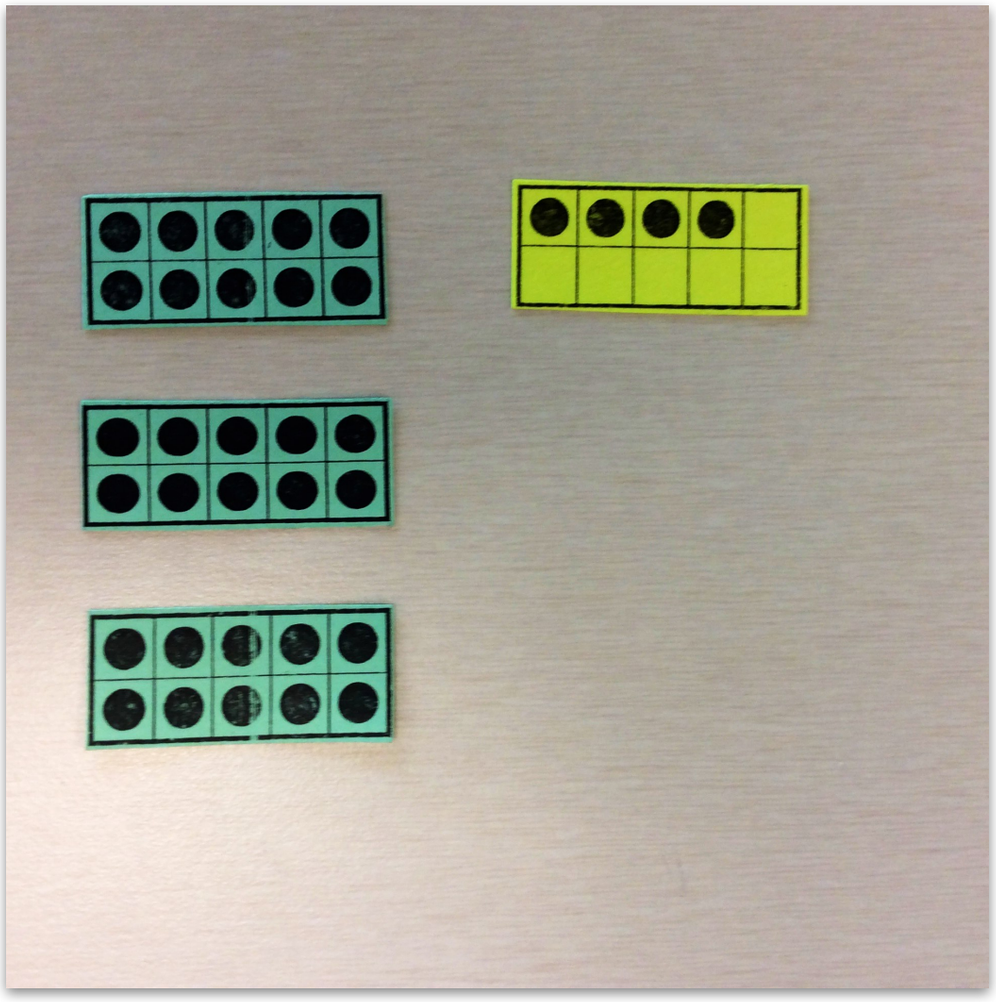
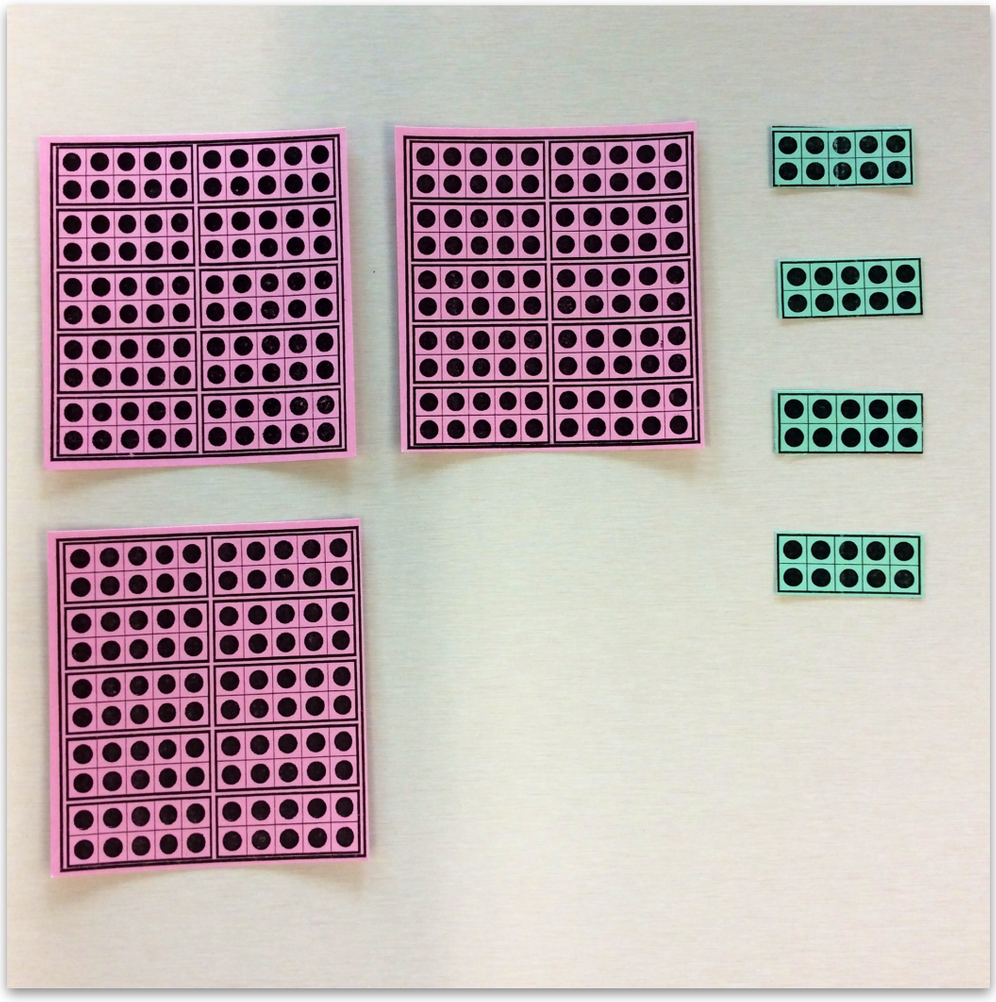




Which two are most alike?

$$60 \div 3$$

$$6 \div 0.3$$

$$0.6 \div 3$$

Which two are most alike?

$\frac{6}{5} \div 3$ $600 \div 300$ $\frac{6}{5} \div \frac{3}{5}$

Which two are most alike?

$$(-6) \div (-3)$$

$$6x \div 3x$$

$$(-6) \div (+3)$$

What is the same? What's different?

$$60 \div 3$$

$$6 \div 0.3$$

What is the same? What's different?

$$6 \div \frac{1}{5} \qquad 6 \div 3$$

$$\frac{6}{5} \div \frac{3}{5}$$

What is the same? What's different?

$\frac{6}{5} \div \frac{3}{5}$

$0.6 \div 0.3$

What is the same? What's different?

$$(-6) \div (-3)$$

$$6x \div 3x$$

What is the same? What's different?

$$6x \div 3x$$

$$600 \div 3$$

What is the same? What's different?

$$500 - 200$$

$$0.5 - 0.2$$

What is the same? What's different?

$$0.5 - 0.2 \qquad \frac{5}{4} \quad \frac{1}{2}$$

What is the same? What's different?

$\frac{5}{4}$ $\frac{1}{2}$

$5\sqrt{2} - \sqrt{8}$

What is the same? What's different?

$$5-2$$

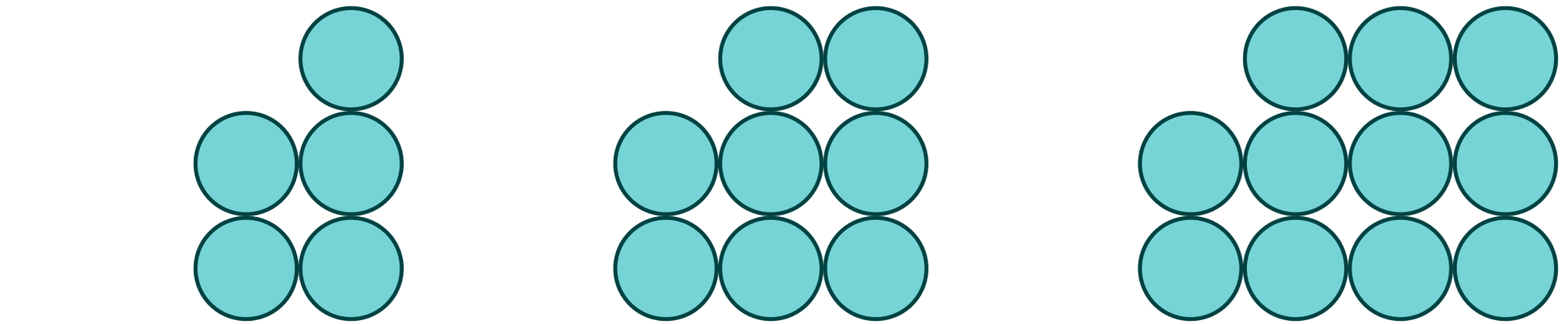
$$5(x+1)-2(x+1)$$

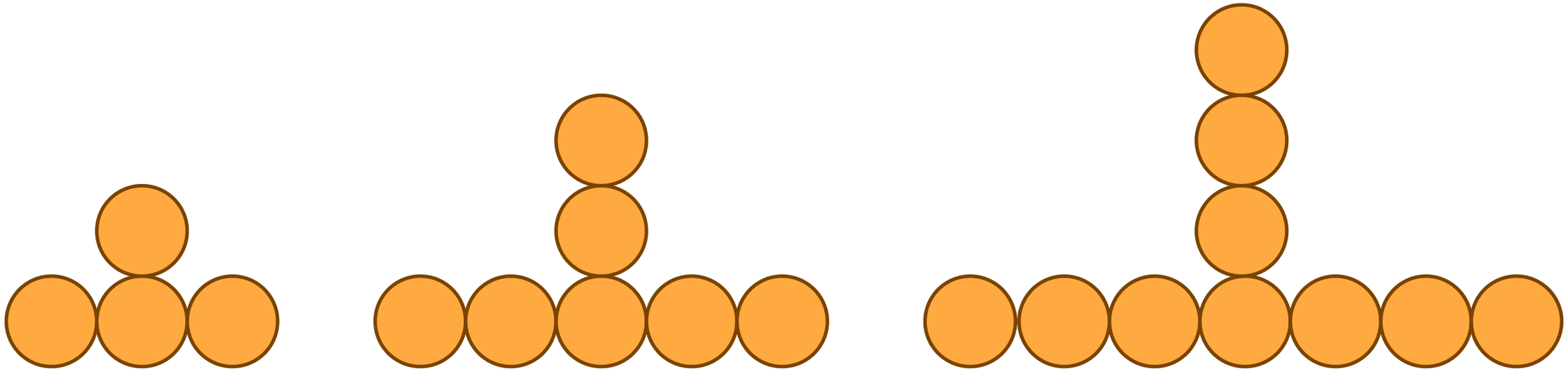
What is the same? What's different?

$$5005 - 2002$$

$$5(x+1) - 2(x+1)$$

What is the same? What's different?





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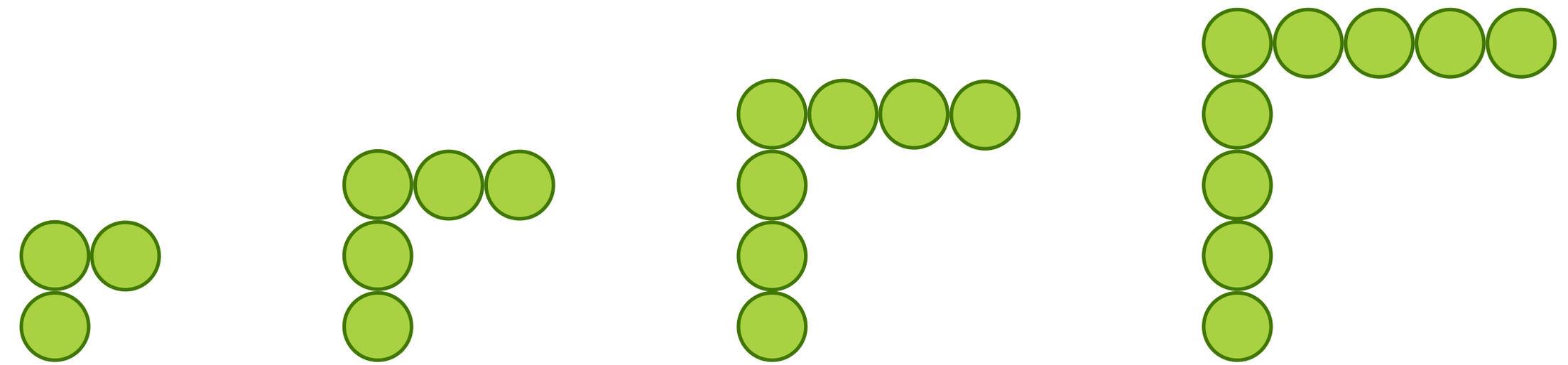
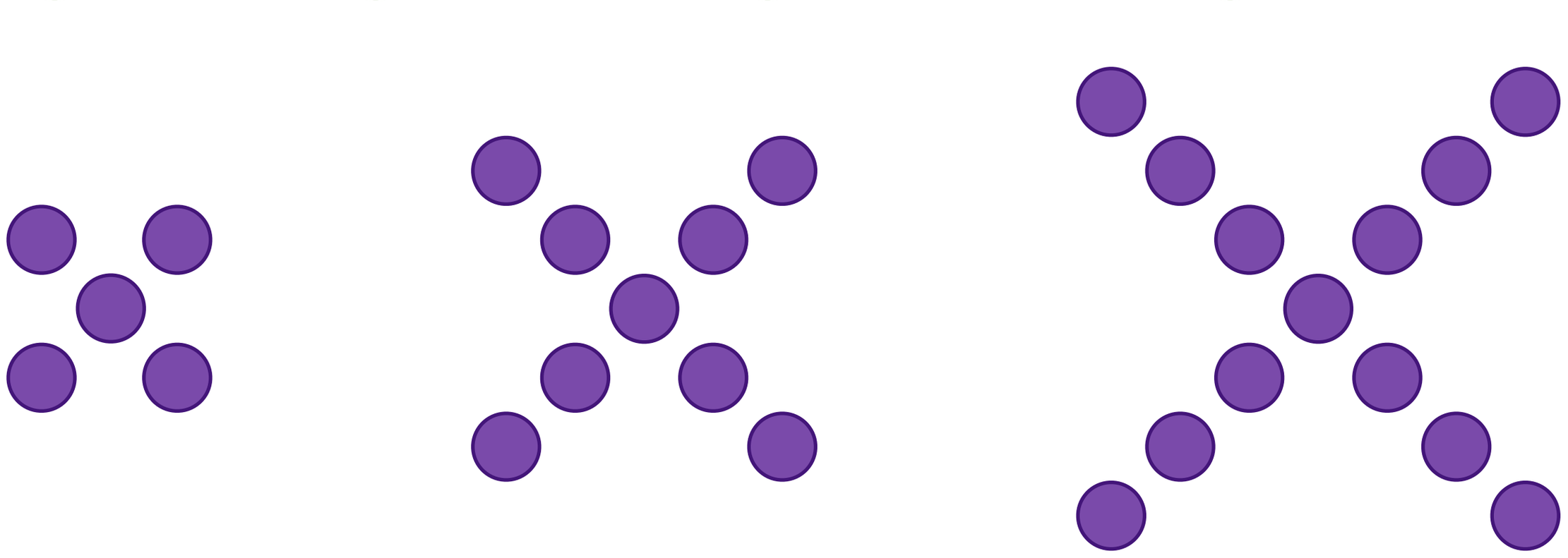
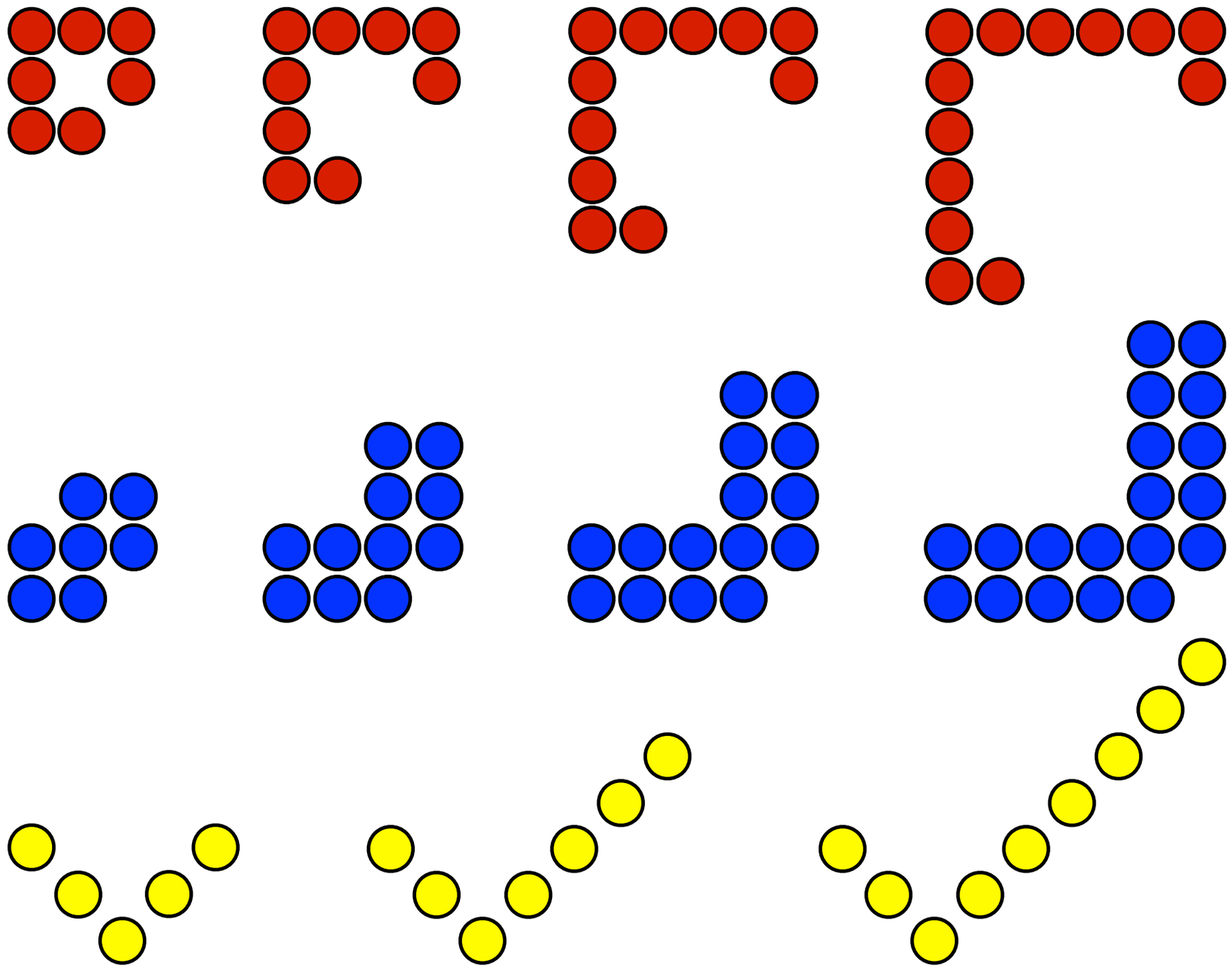




Which two are most alike?

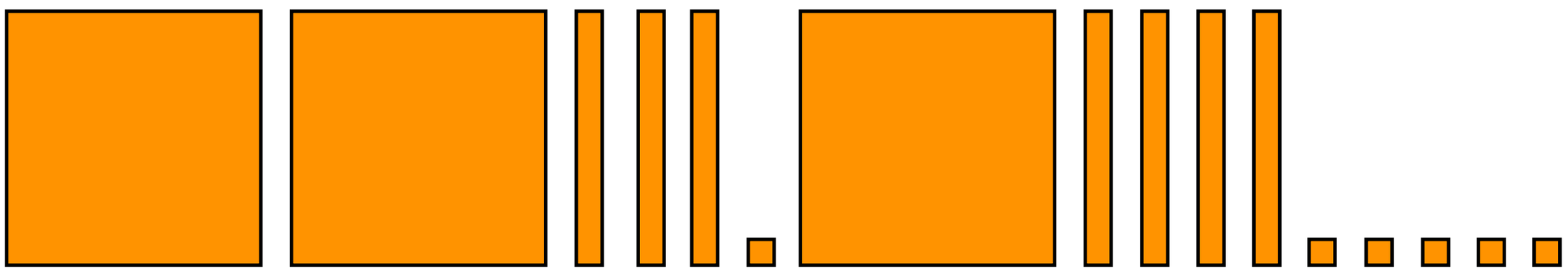


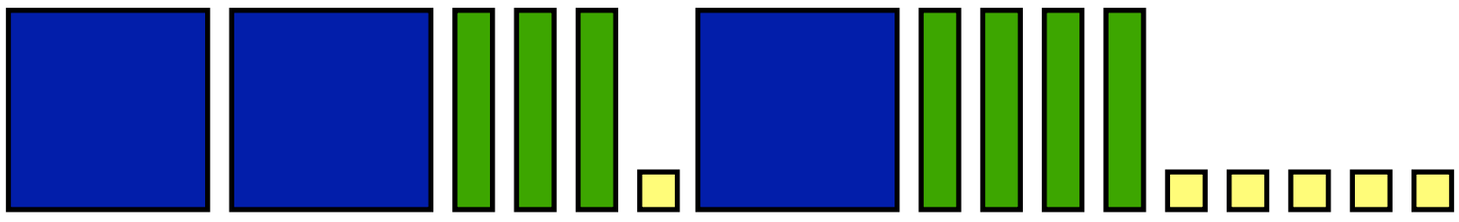
What is the same? What's different?

$$(2x^2+3x+1)+(x^2+4x+5)$$

$$231+145$$

What is the same? What's different?



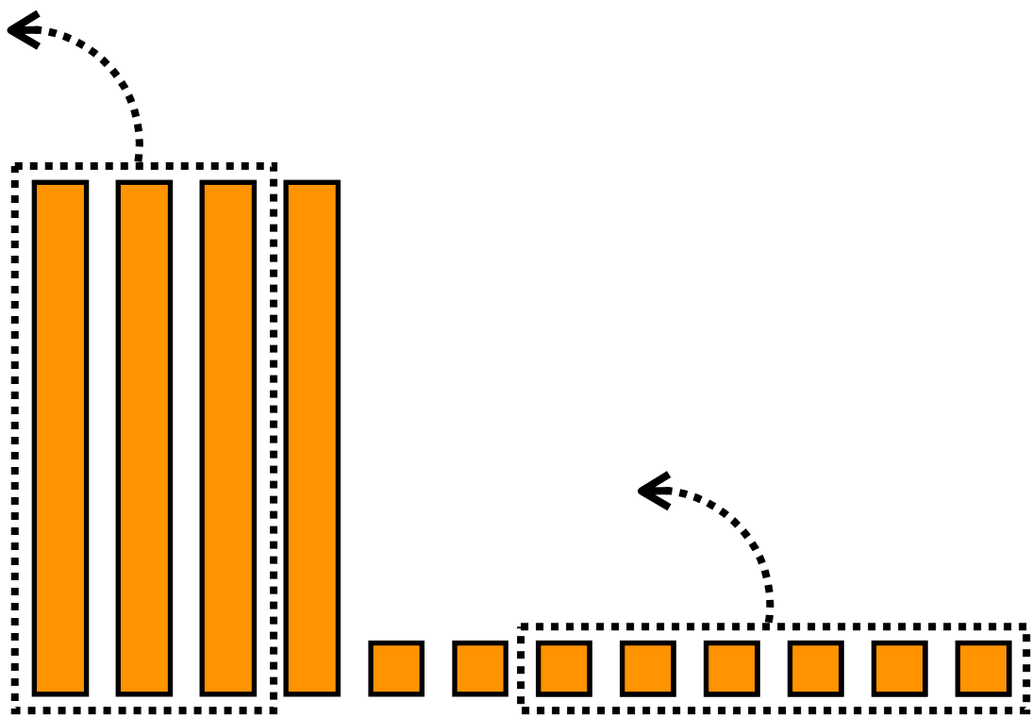


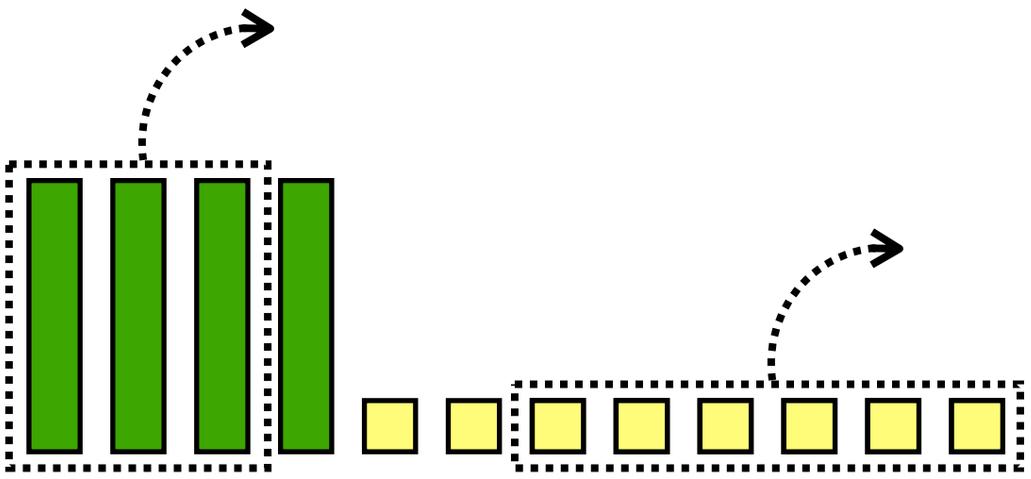
What is the same? What's different?

$$(4x+8)-(3x+6)$$

$$48-36$$

What is the same? What's different?





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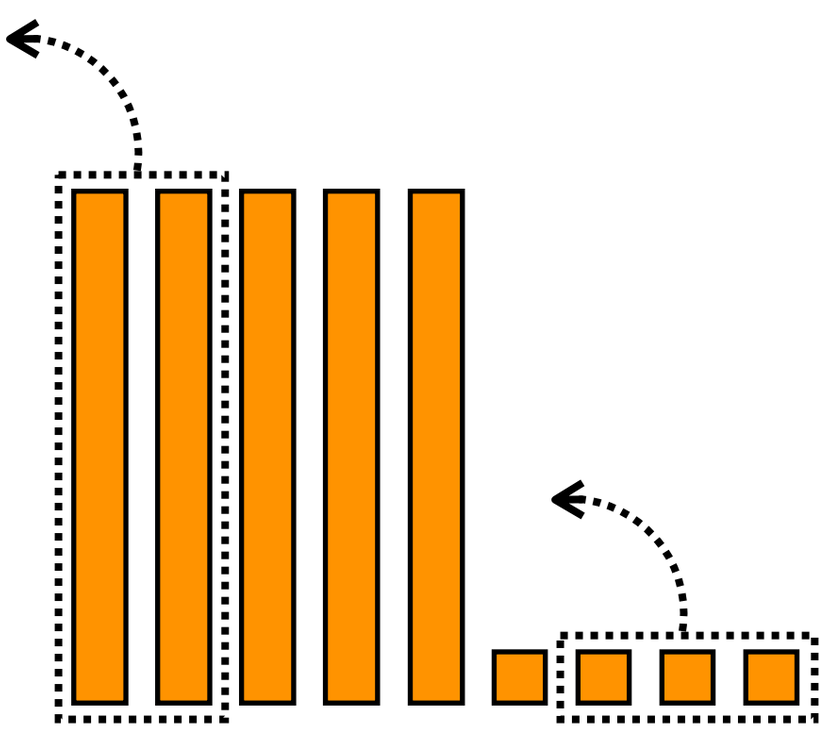
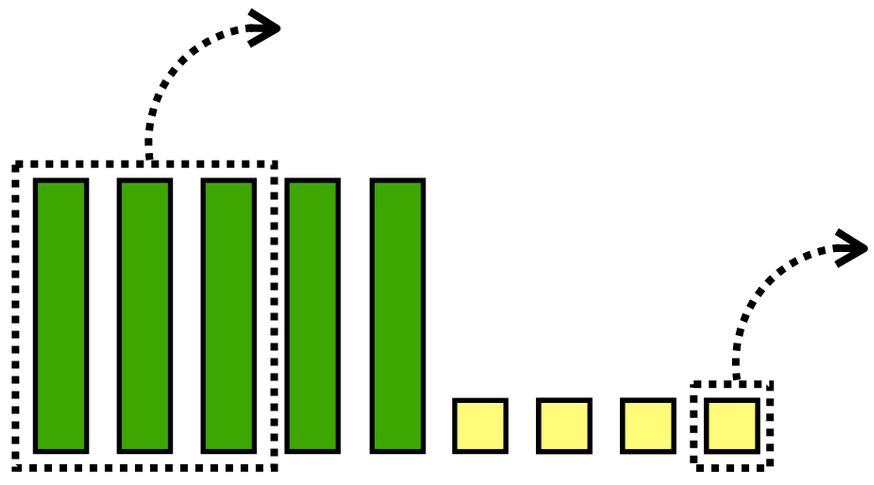


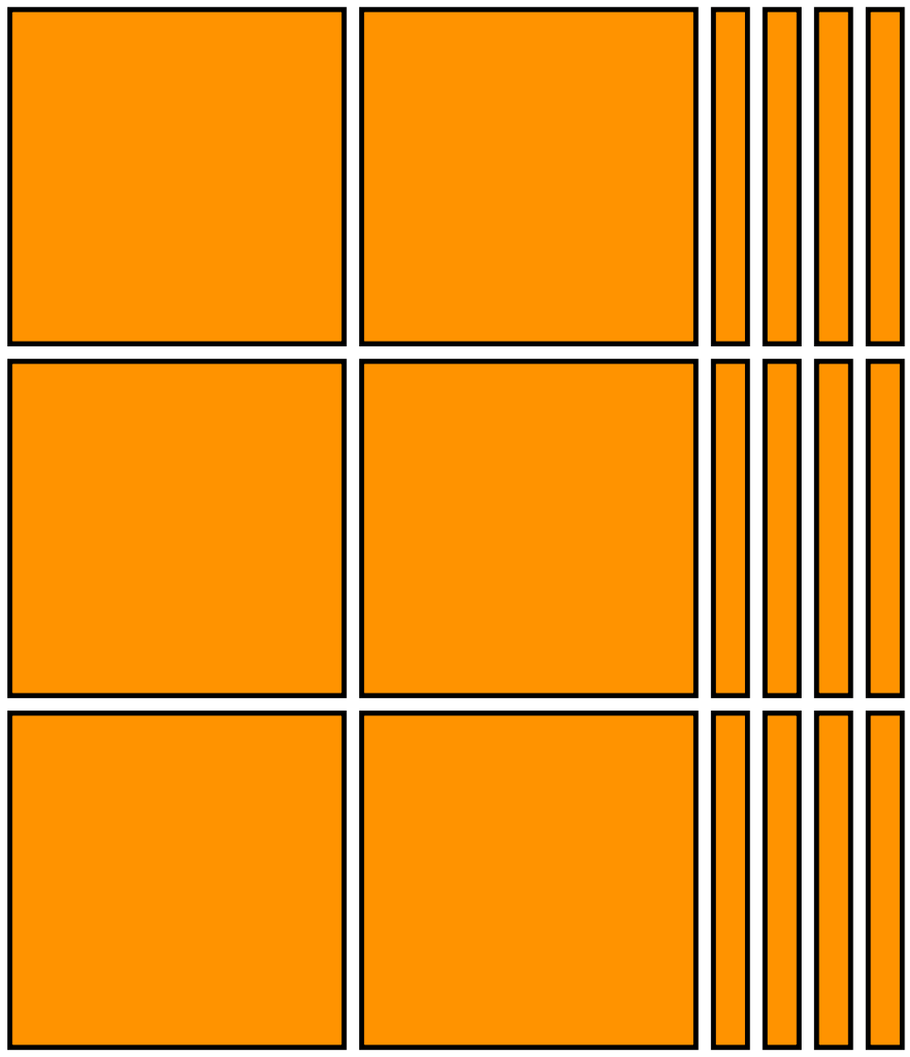


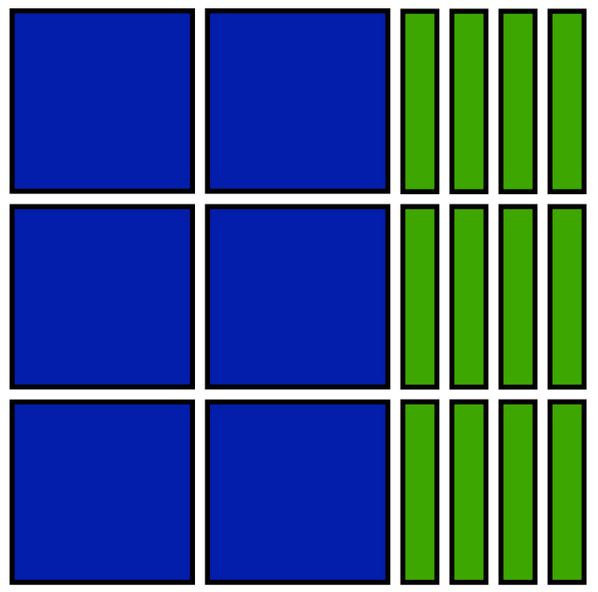
What is the same? What's different?

$$3x(2x+4)$$

$$30\times24$$

What is the same? What's different?





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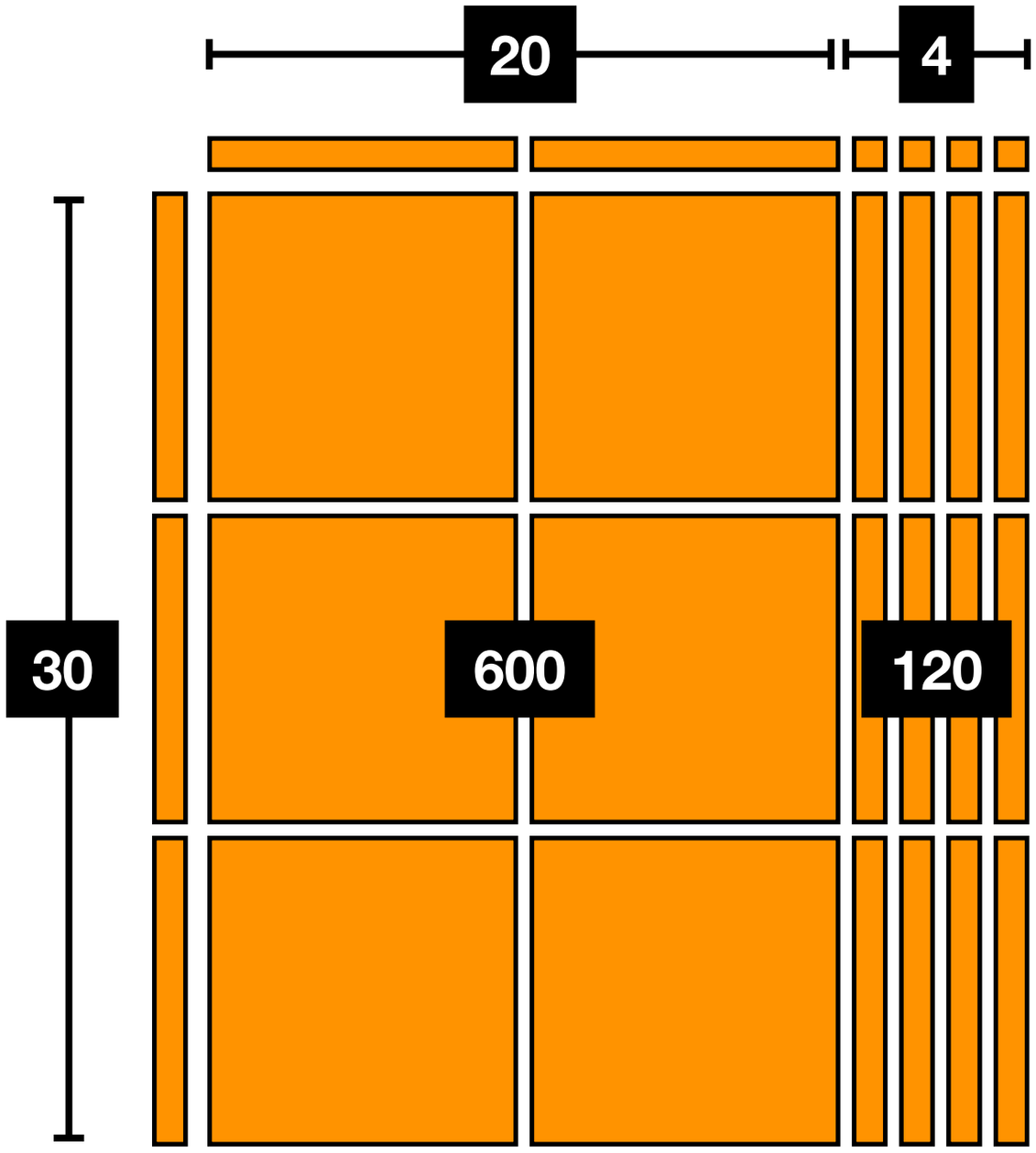
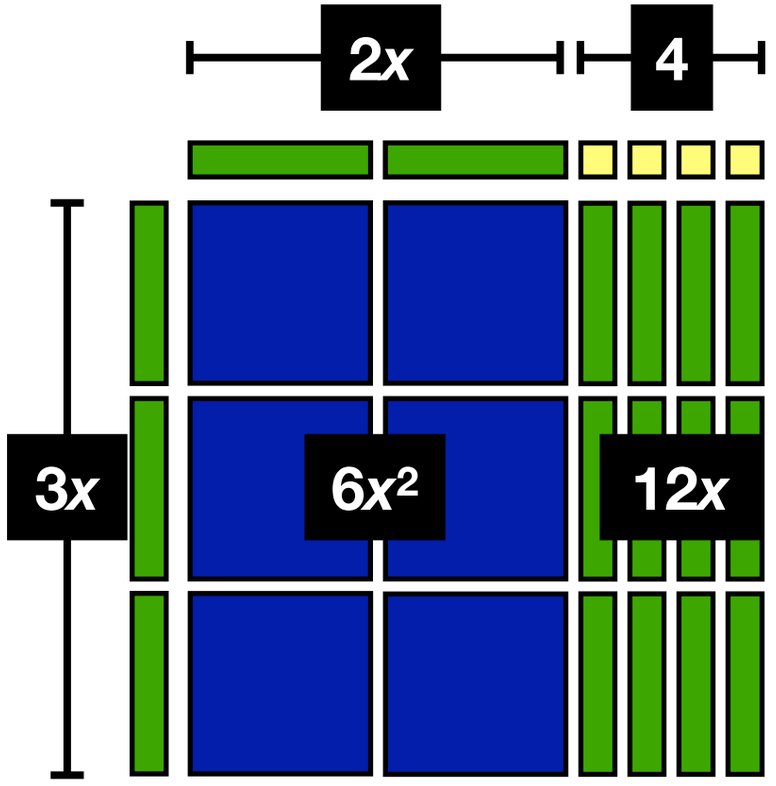


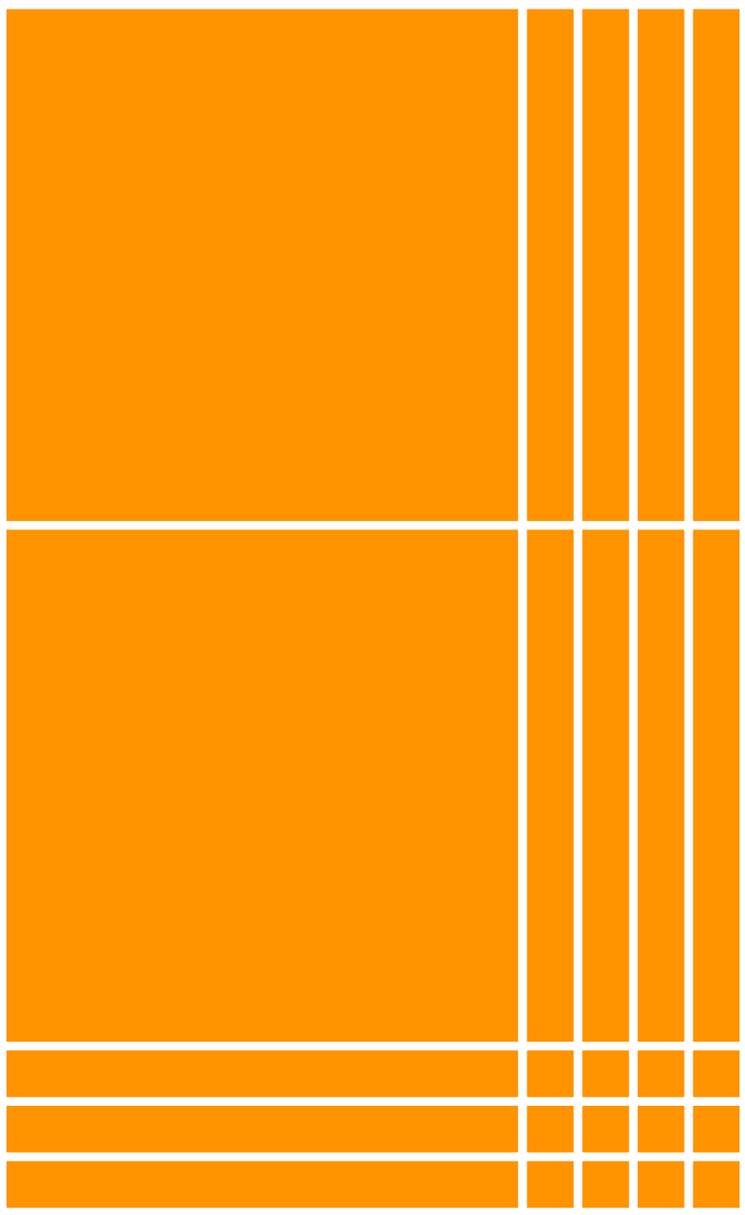


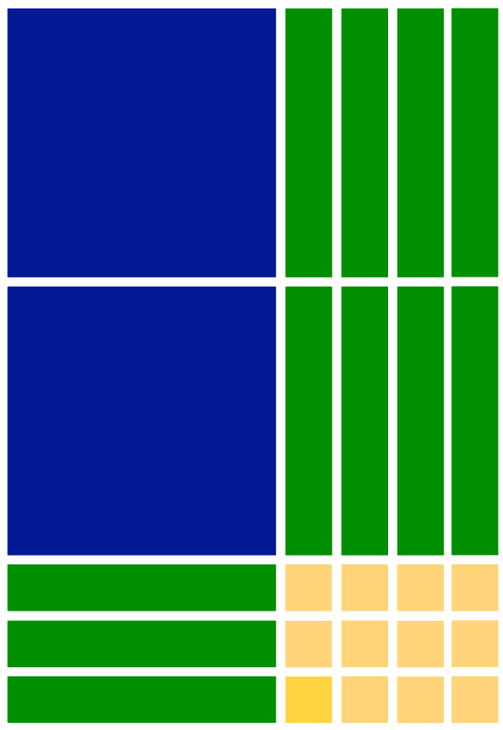
What is the same? What's different?

$$23 \times 14$$

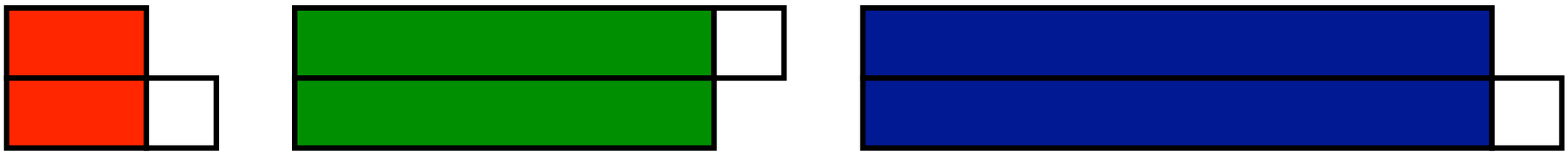
$$(2x+3)(x+4)$$

What is the same? What's different?

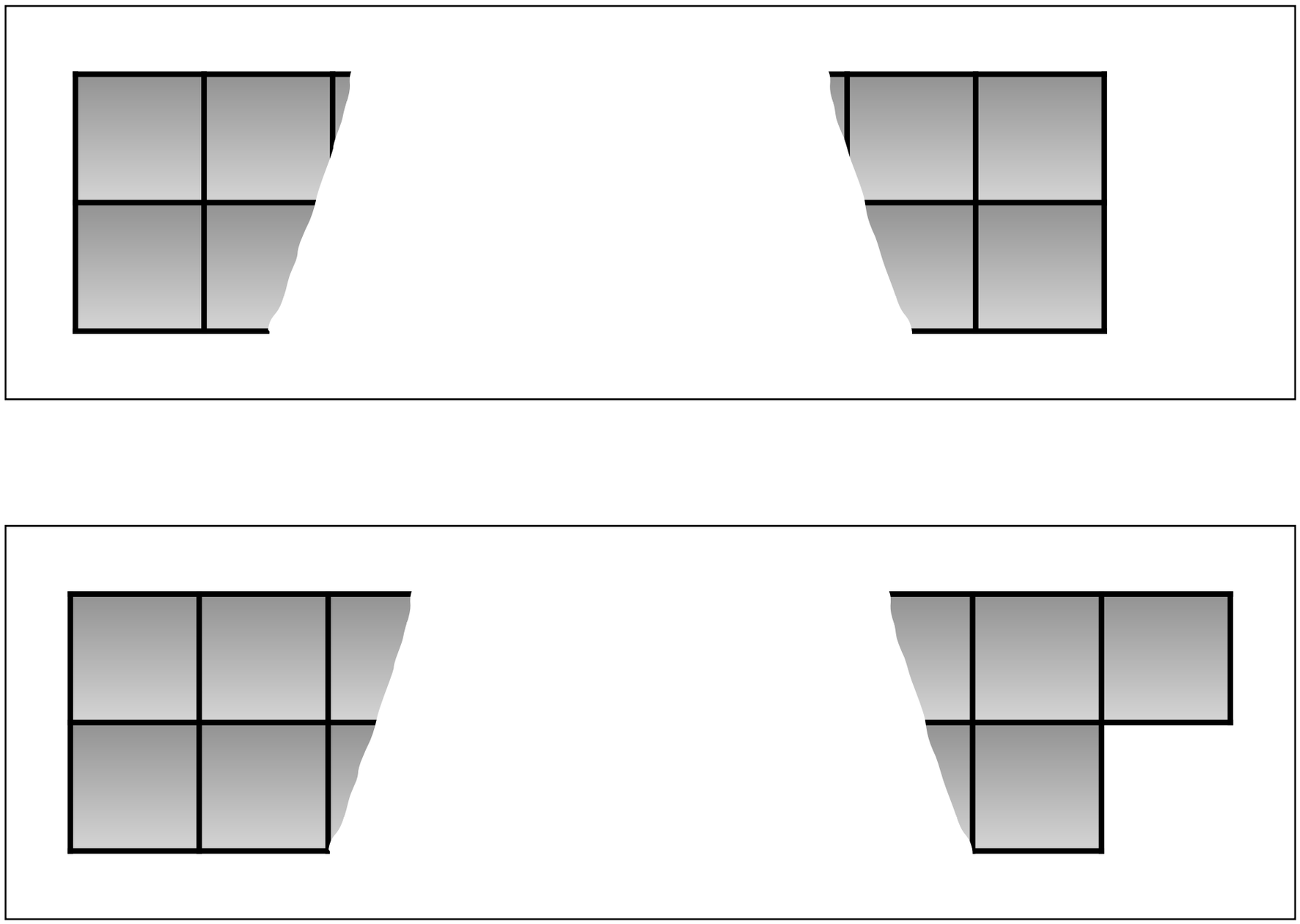


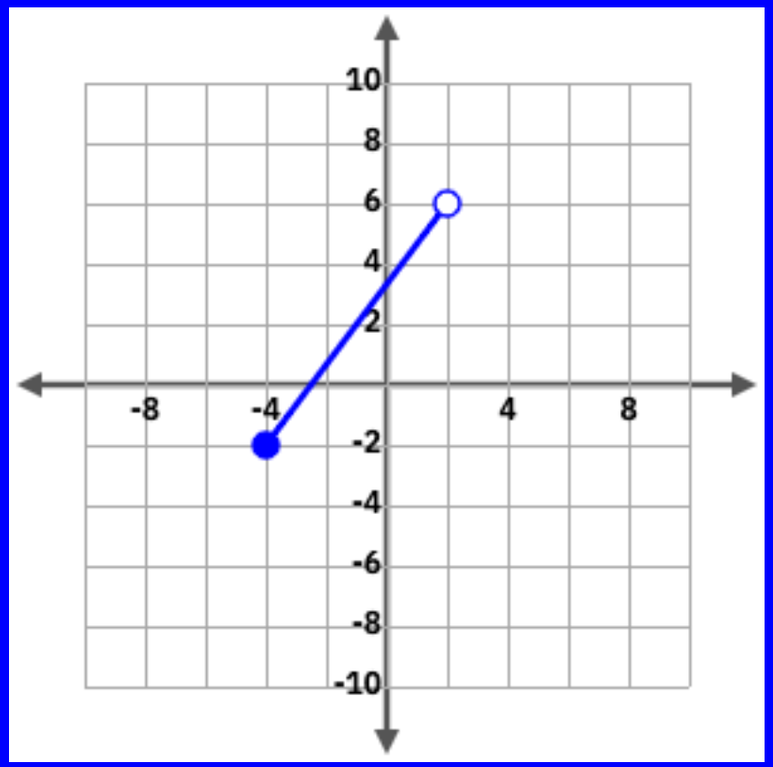


What is the same? What's different?



What is the same? What's different?

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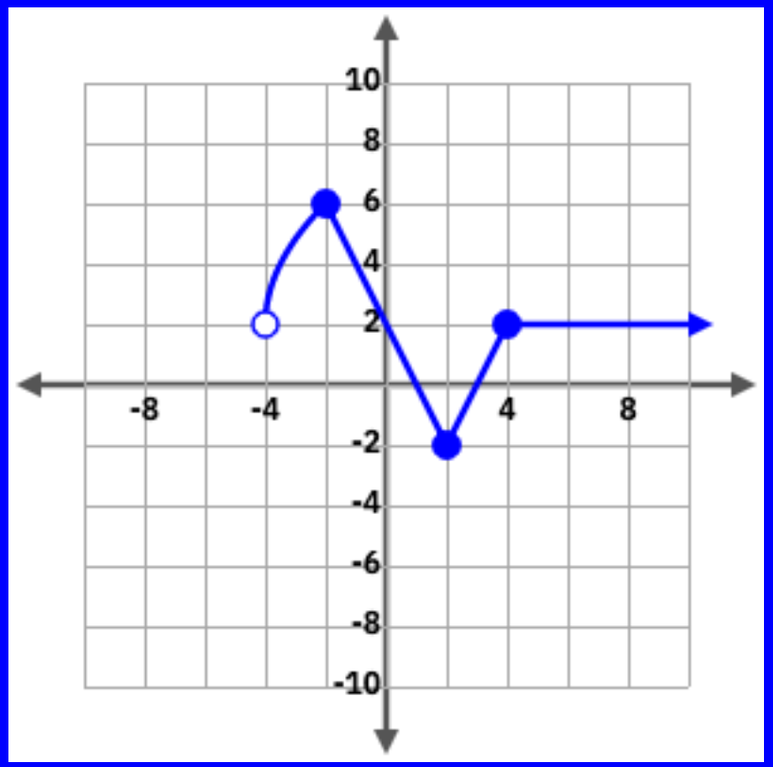
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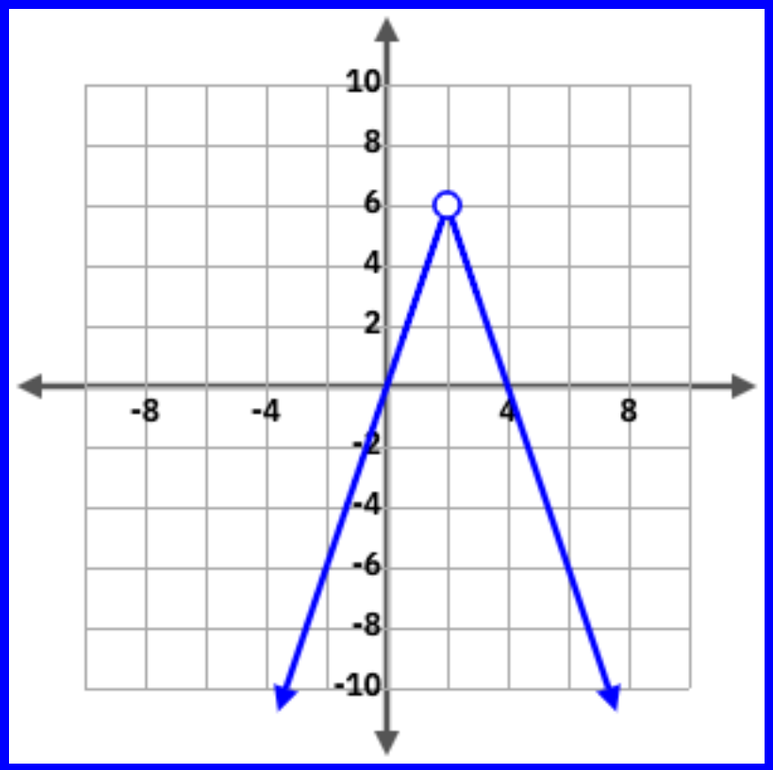
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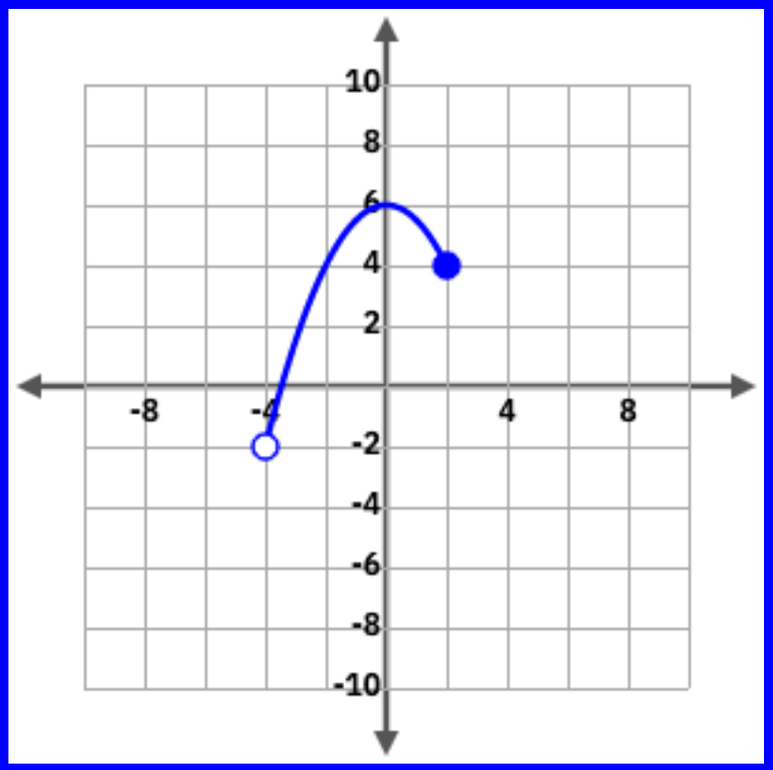
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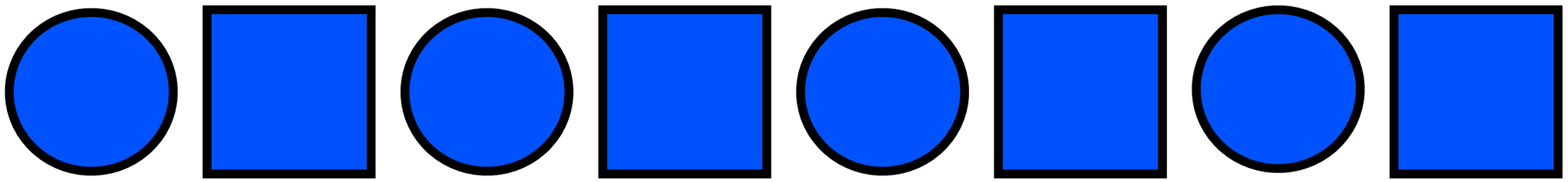
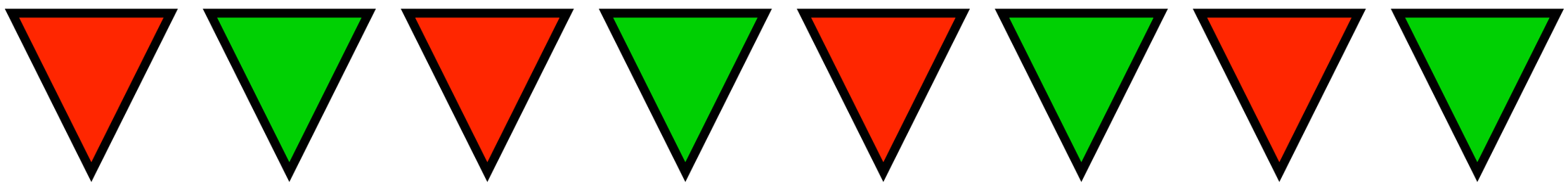
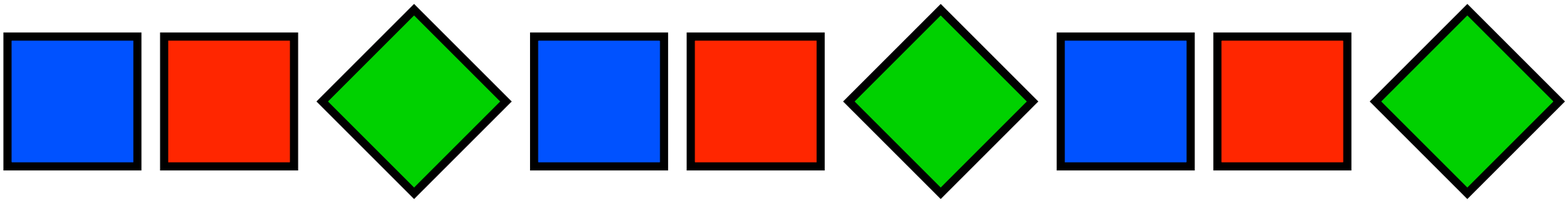
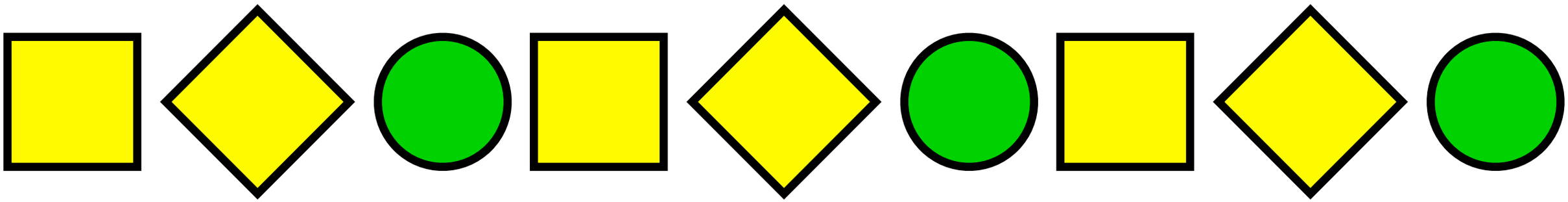
What is the same? What's different?



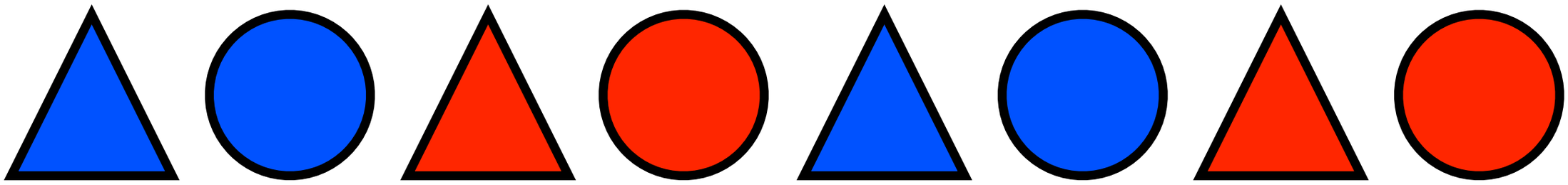


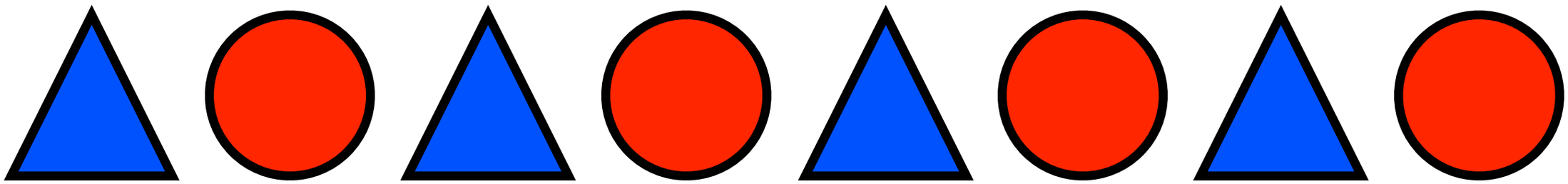
What is the same? What's different?

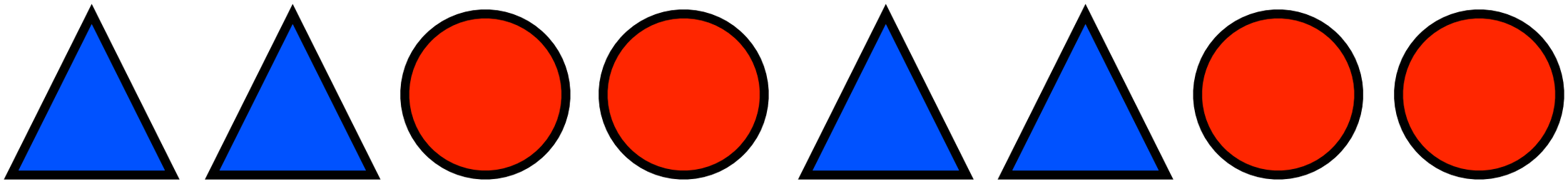




Which two are most alike?







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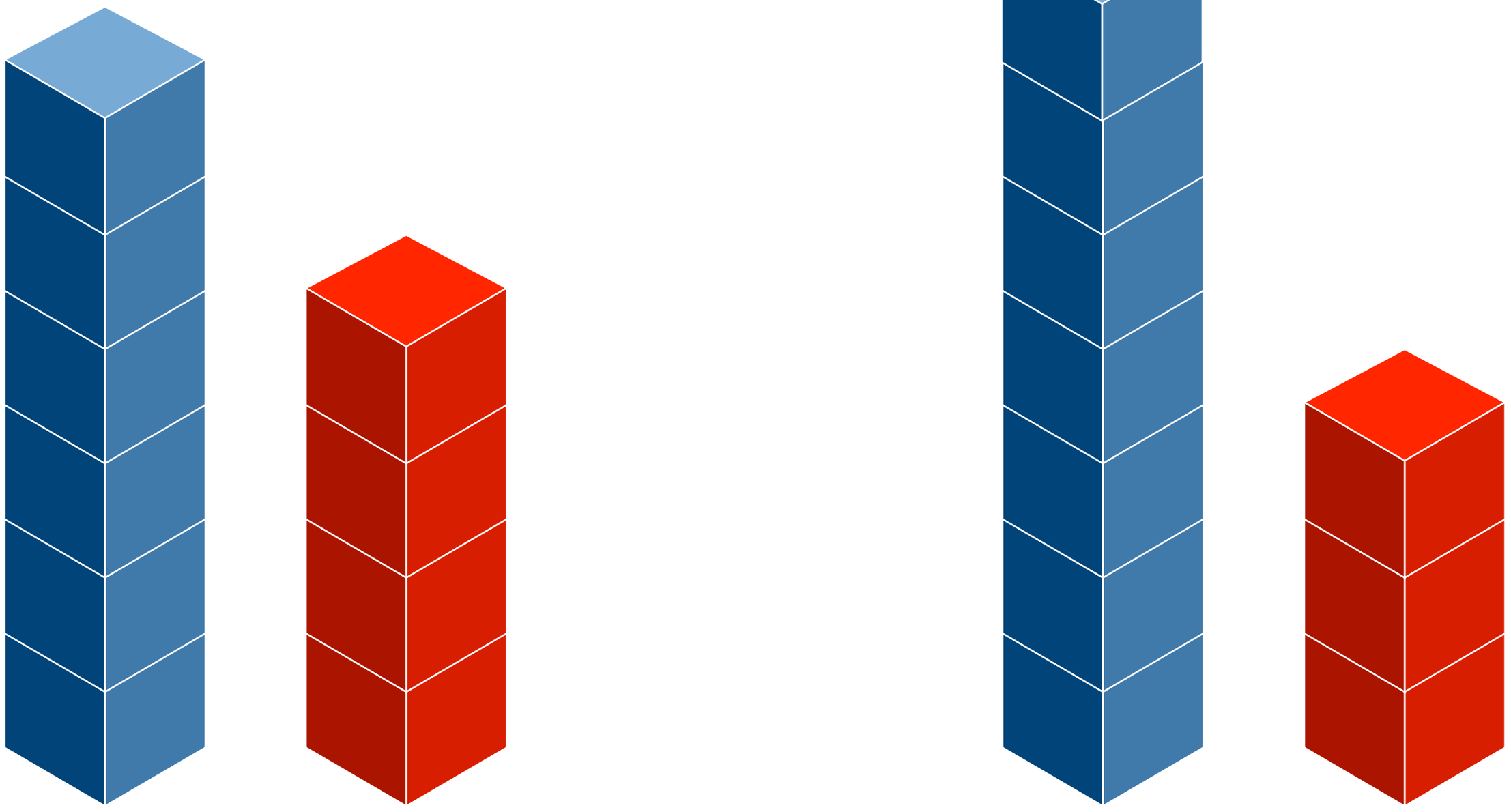
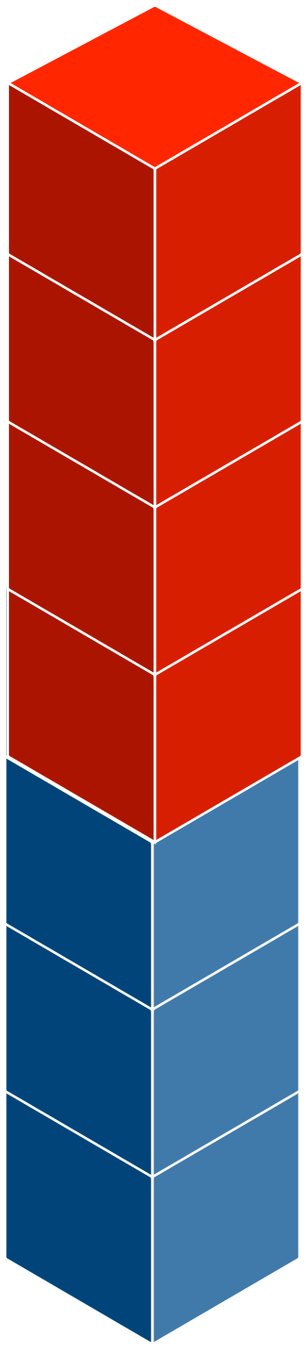


What is the same? What's different?



$x^2 + 5x + 6$

$x^2 + 5x - 6$

$x^2 - 5x + 6$

$x^2 - 5x - 6$

$x^2 + 10x + 24$	$x^2 + 10x - 24$
$x^2 - 10x + 24$	$x^2 - 10x - 24$

Nestlé
KitKat
100% sustainably sourced cocoa
Cacao approvisionné 100 % durable
45 g
Ouvrez ici
Tear Here

Nestlé
Smarties
No Artificial Colours* & Natural Flavours
Sans arômes ni colorants artificiels*
45 g
last!
make

Nestlé
Aero
100% sustainably sourced cocoa
Cacao approvisionné 100 % durable

Nestlé
COFFEE CRISP
100% sustainably sourced cocoa
Cacao approvisionné 100 % durable

Nestlé
KitKat
100% sustainably sourced cocoa
Cacao approvisionné 100 % durable
45 g WAFER BAR GAUFRETTE
ORIGINAL RECIPE RECETTE ORIGINALE
CALORIES 230
Per 1 bar (45 g) Pour 1 barre (45 g)
Tear Here
Ouvrez Ici

Nestlé
No Artificial Colours* & Natural Flavours
Sans arômes ni colorants artificiels*
SMARTIES®
last!
'em
make
Per 1 package (45 g) Pour 1 boîte (45 g)
CALORIES 210
CALORIES 70
Per 15 Smarties (15 g) Pour 15 Smarties (15 g)
45 g

Nestlé
Aero
feel the bubbles melt™ • fondez pour les bulles™
ORIGINAL RECIPE RECETTE ORIGINALE
CALORIES 220
100% sustainably sourced cocoa
Cacao approvisionné 100 % durable
MILK CHOCOLATE

makes a nice light snack™ • un goûter léger, délicieux™
Nestlé
COFFEE CRISP
CALORIES 260
100% sustainably sourced cocoa
Cacao approvisionné 100 % durable

Which two are most alike?

20, 14, 8, 2, . . .

3, 7, 11, 15, . . .

4, 8, 16, 32, . . .

$$\frac{1}{(x-1)(x+1)}$$

$$\frac{1}{x^2+1}$$

$$\frac{1}{(x-1)^2}$$

$$-\frac{1}{x^2-1}$$

$$y = \frac{1}{(x-1)(x+1)}$$

$$y = \frac{1}{x^2+1}$$

$$y = \frac{1}{(x-1)^2}$$

$$y = -\frac{1}{x^2-1}$$

$$y = 2(x - 1)^2 + 3$$

$$y = \frac{1}{2}(x - 3)^2 - 5$$

$$y = 3(x + 2)^2 - 4$$

$$y = -\frac{3}{2}(x - 4)^2 + 6$$

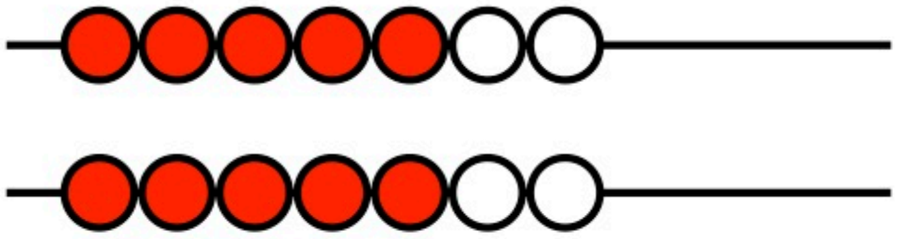
$f(x) = 2(x - 1)^2 + 3$

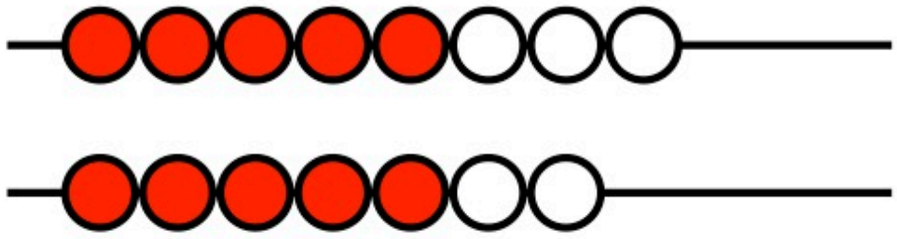
$f(x) = \frac{1}{2}(x - 3)^2 - 5$

$f(x) = 3(x + 2)^2 - 4$

$f(x) = -\frac{3}{2}(x - 4)^2 + 6$

What is the same? What's different?





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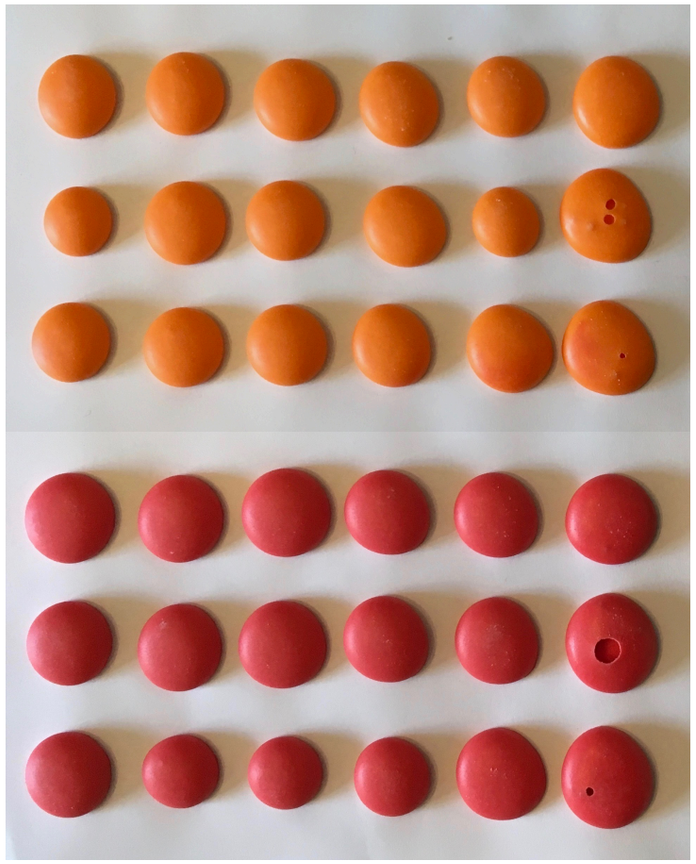

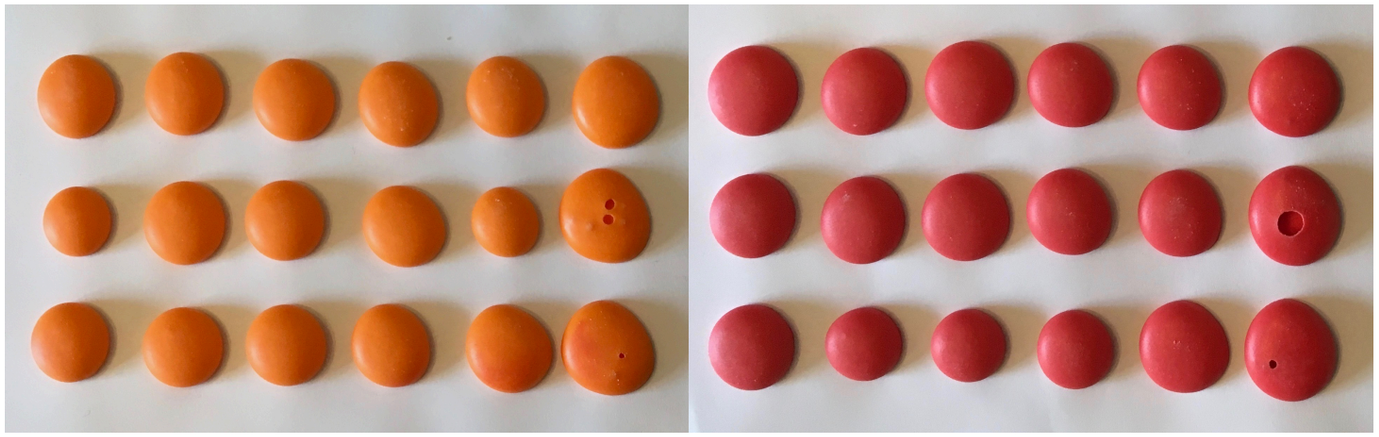

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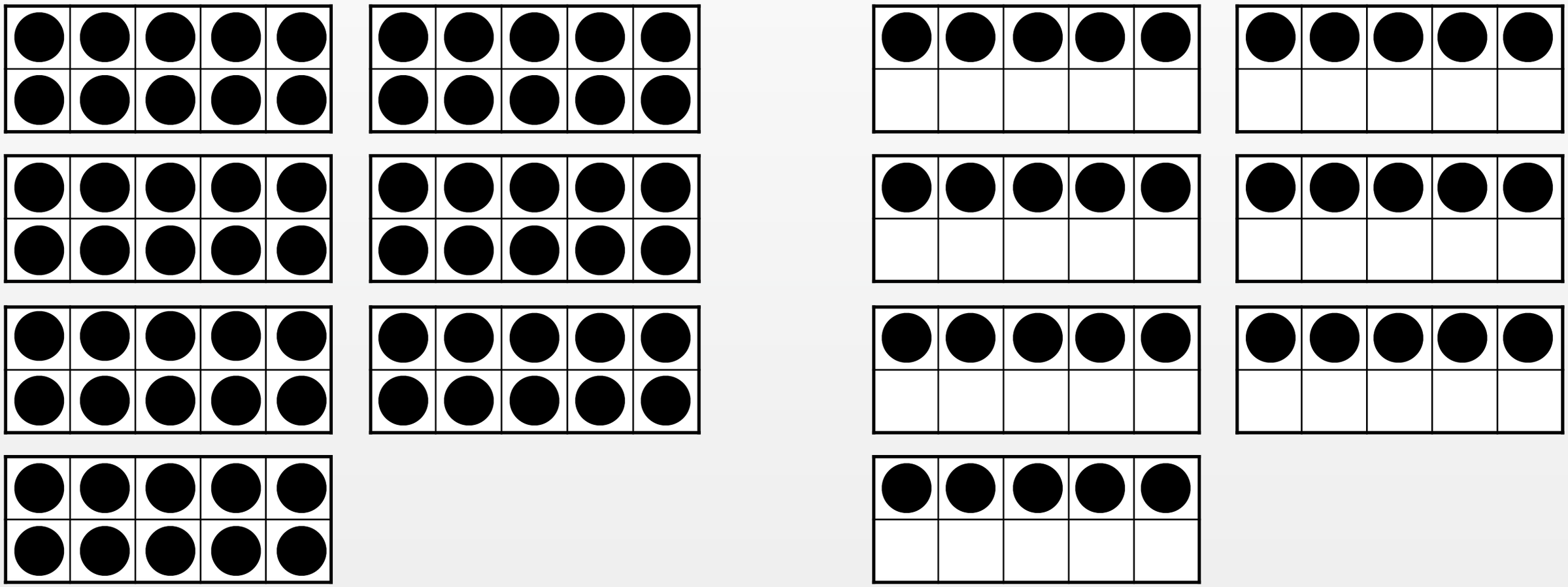

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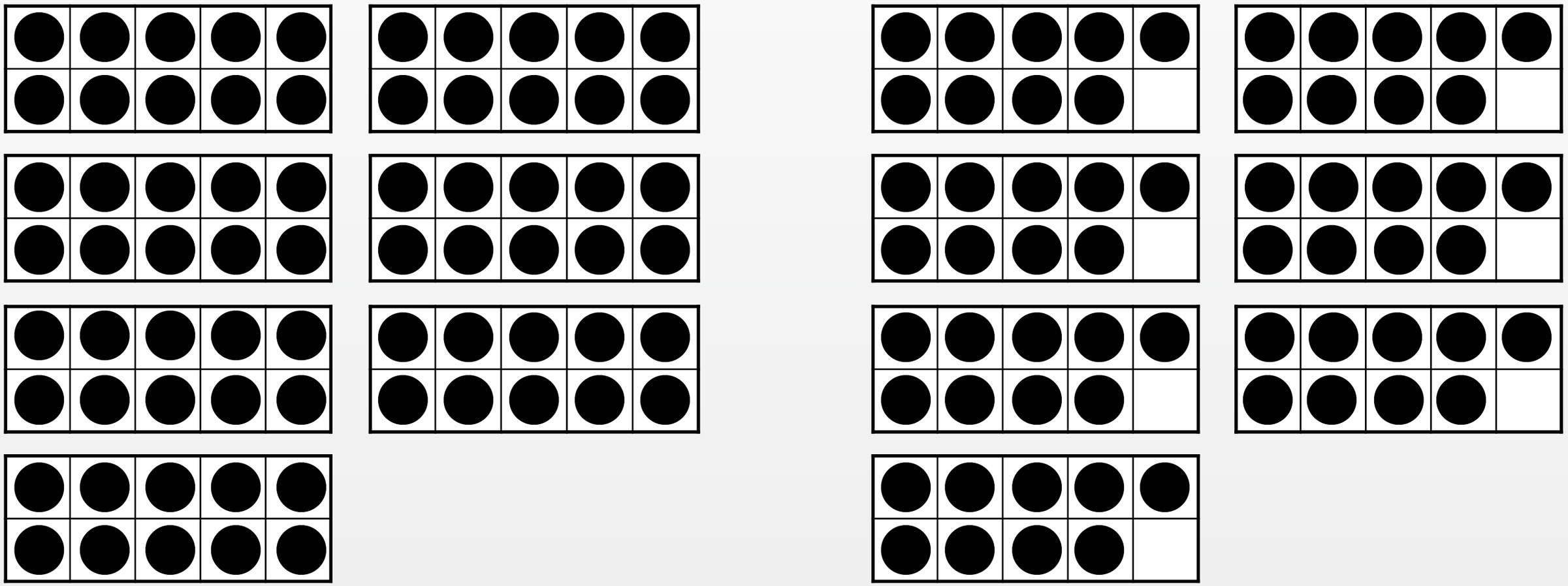

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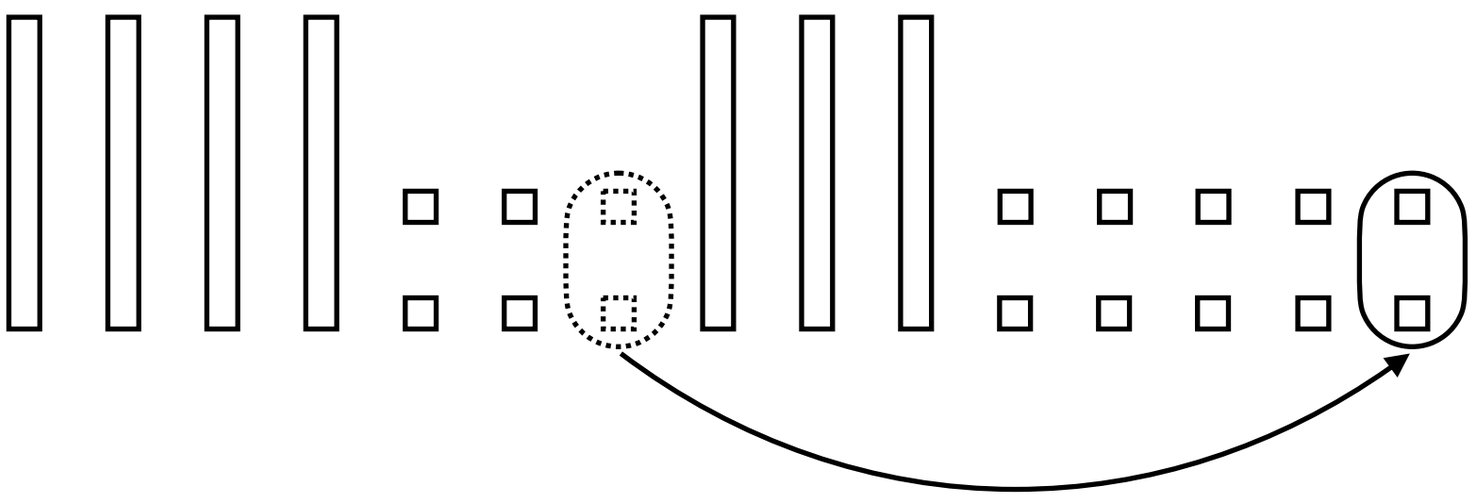

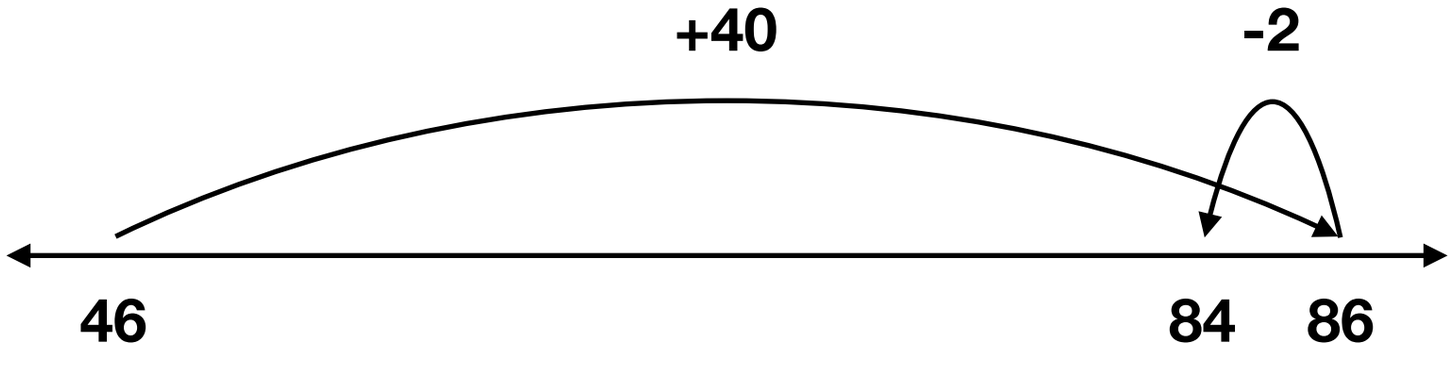

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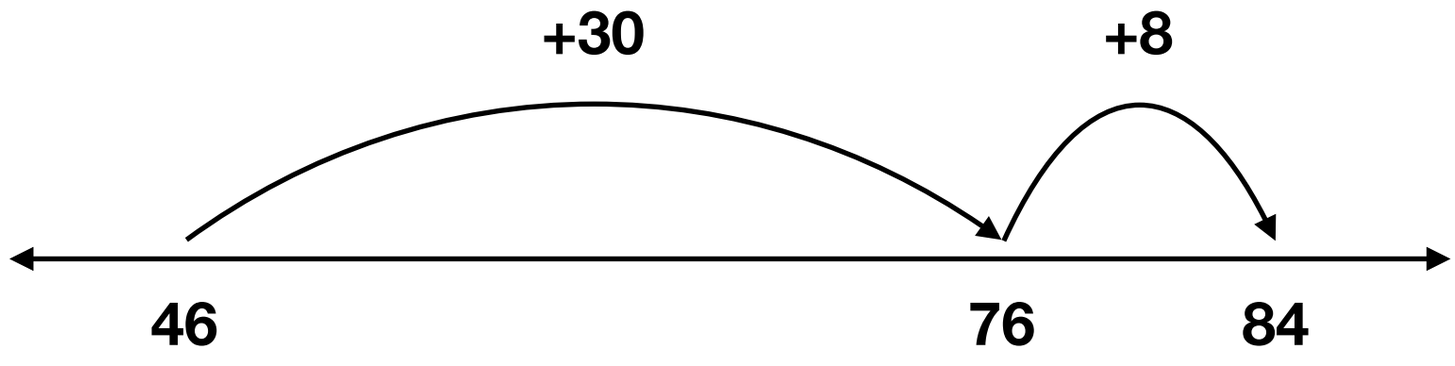

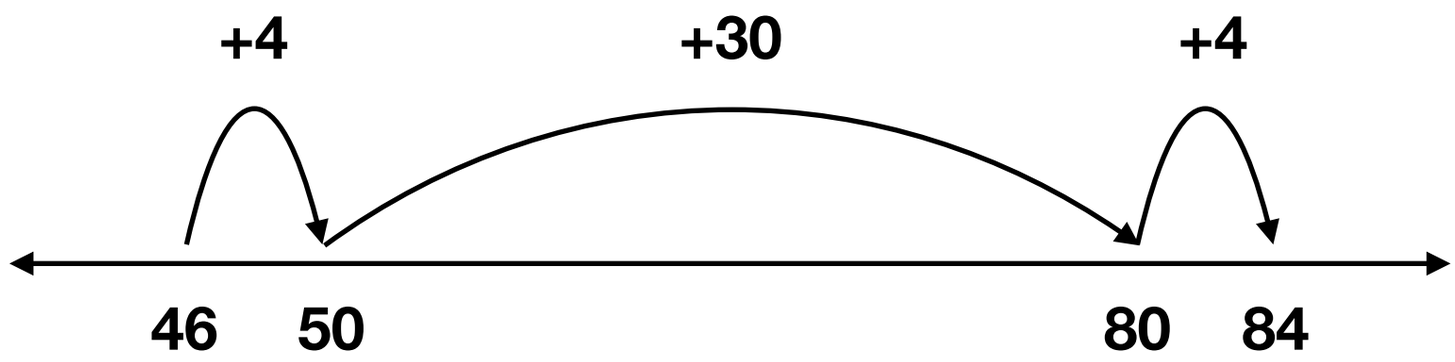

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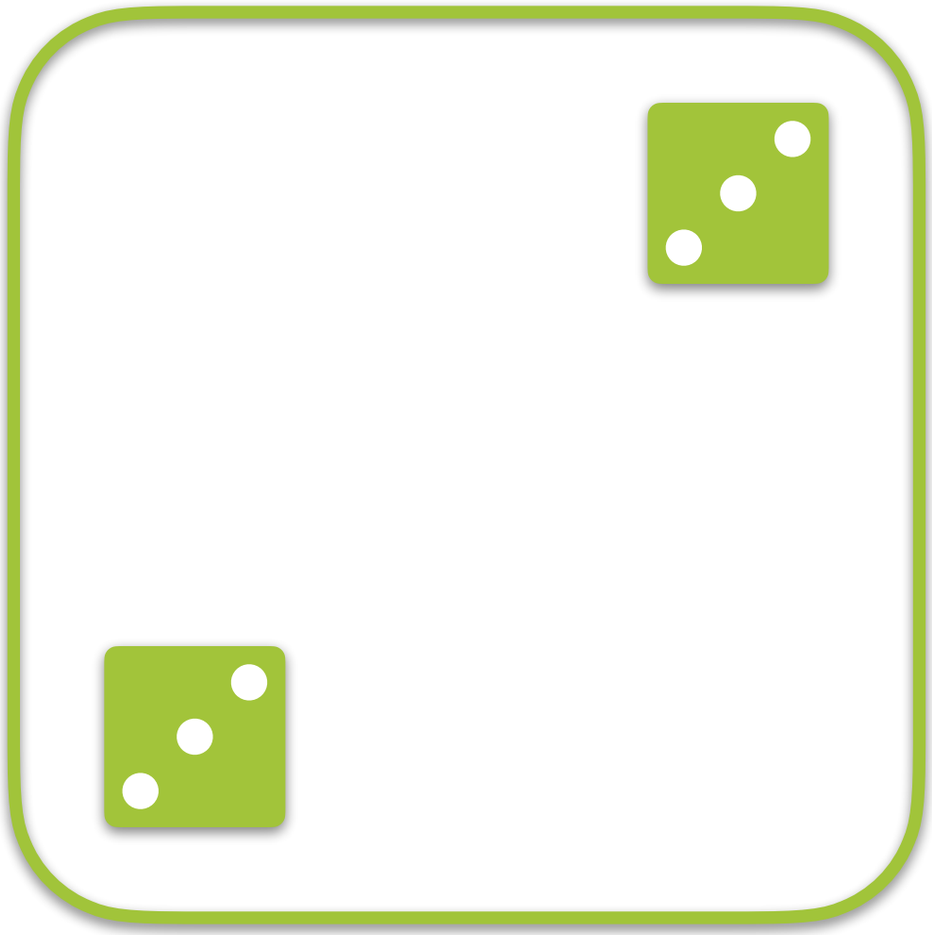
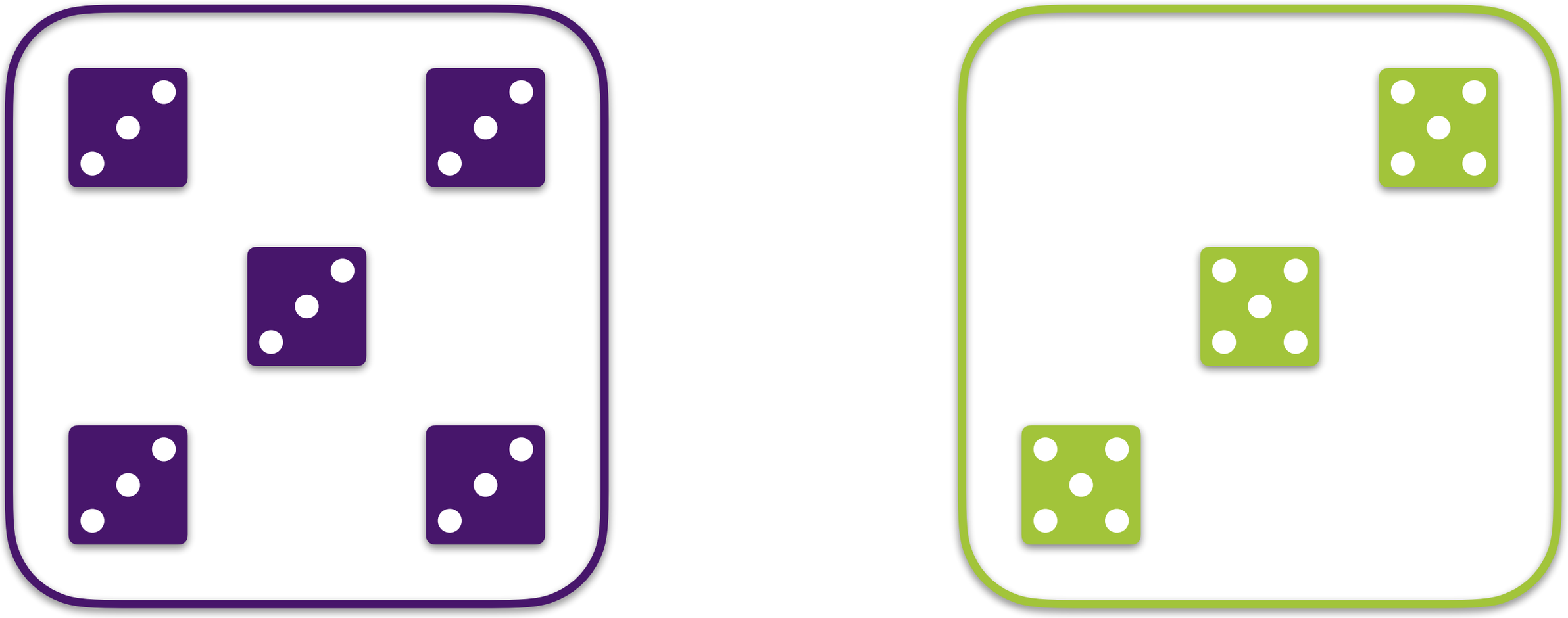


What's different?

What is the same?



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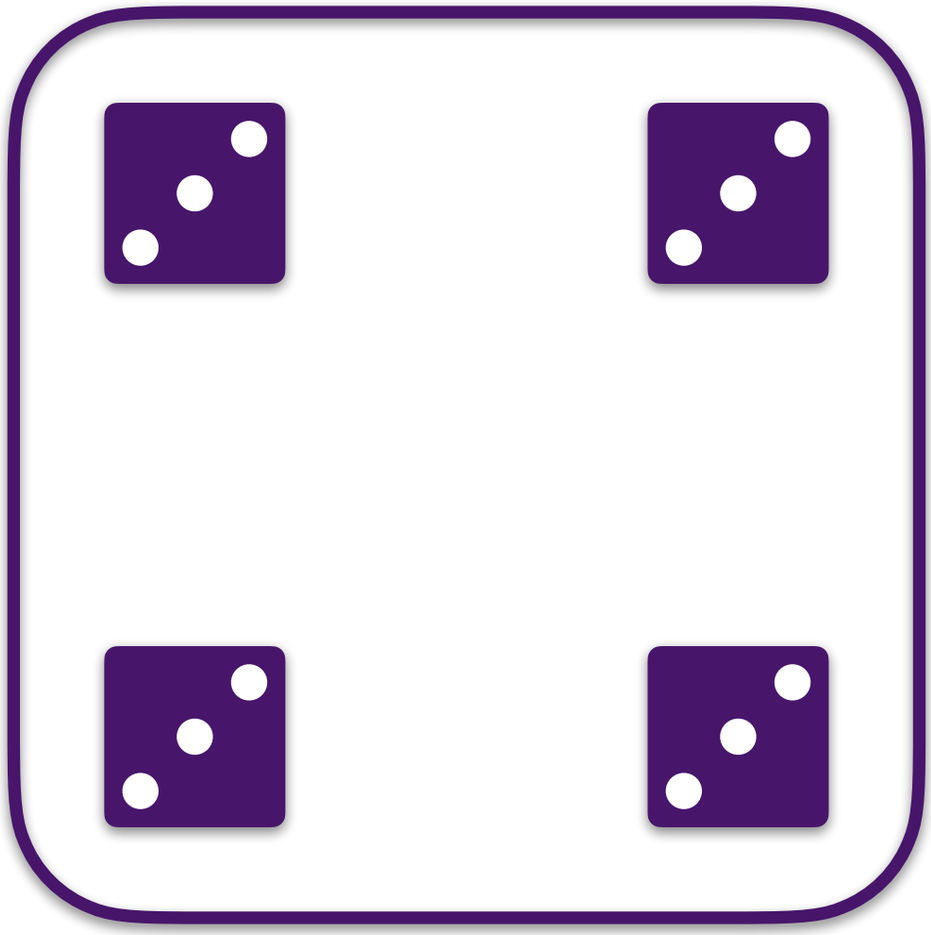

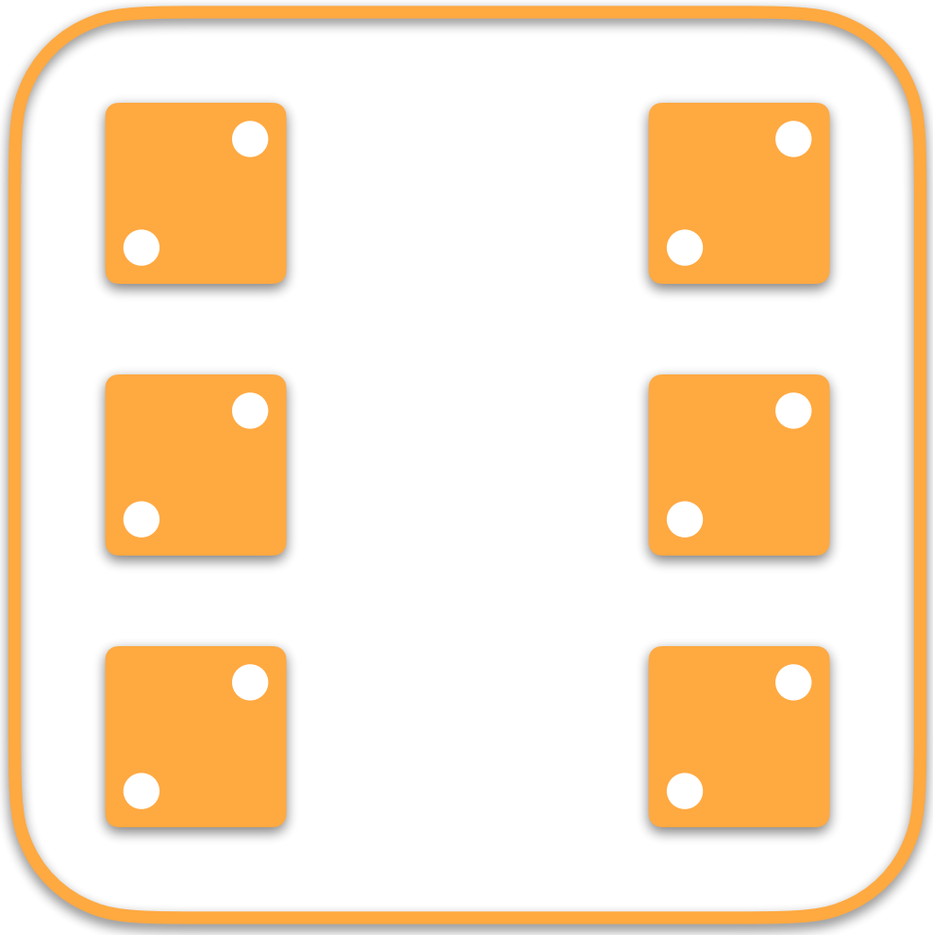

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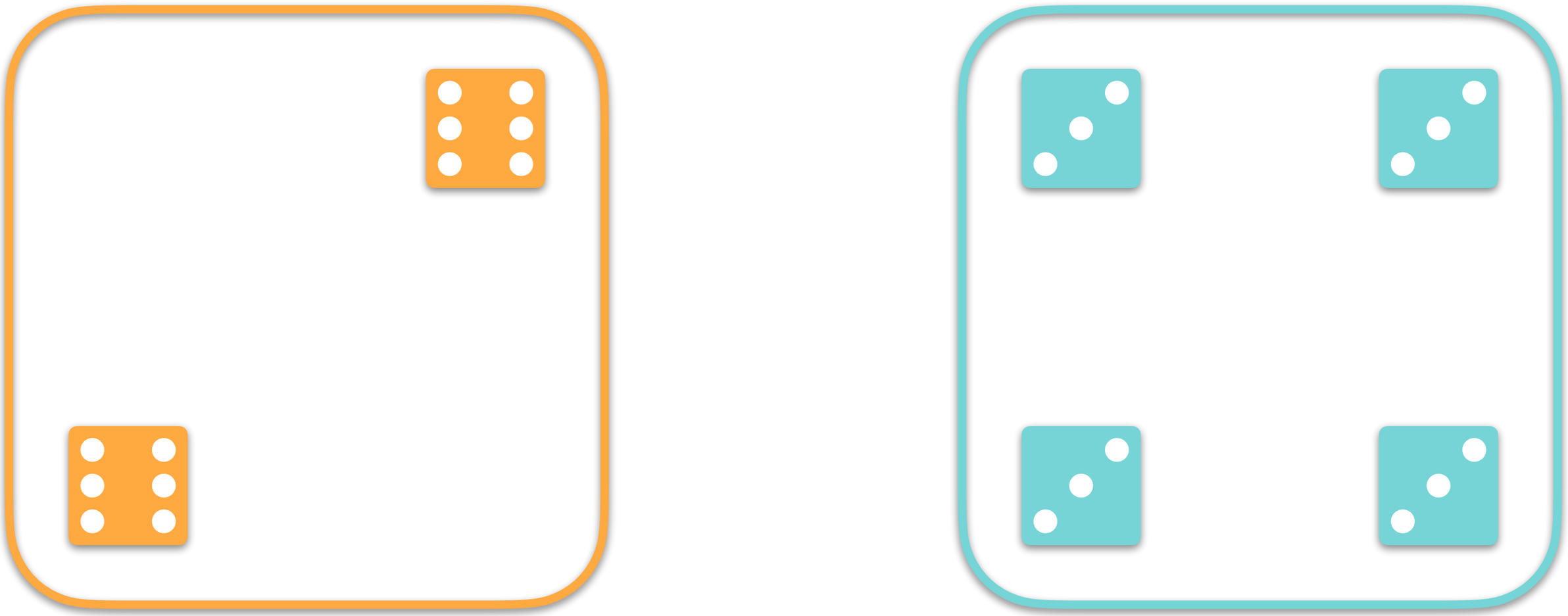
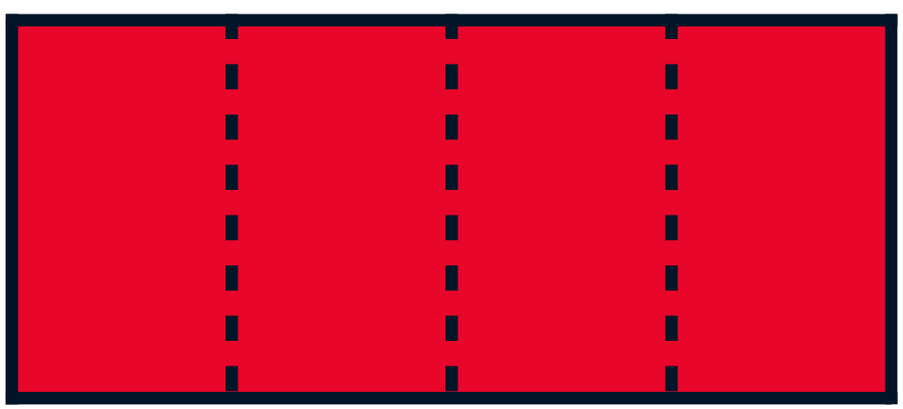
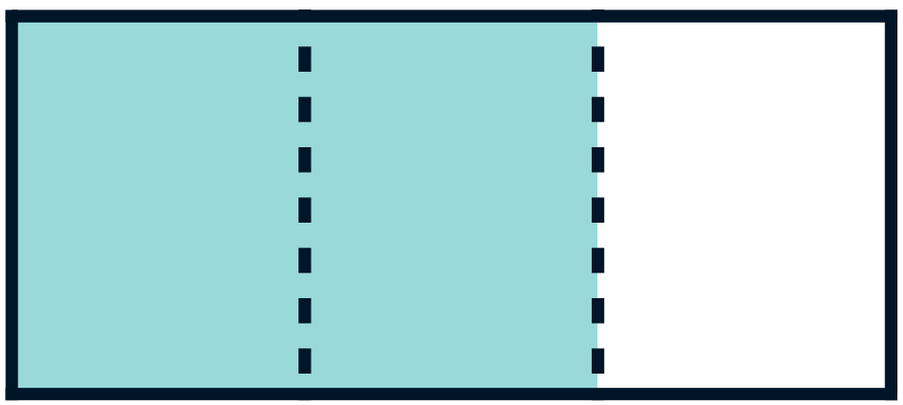
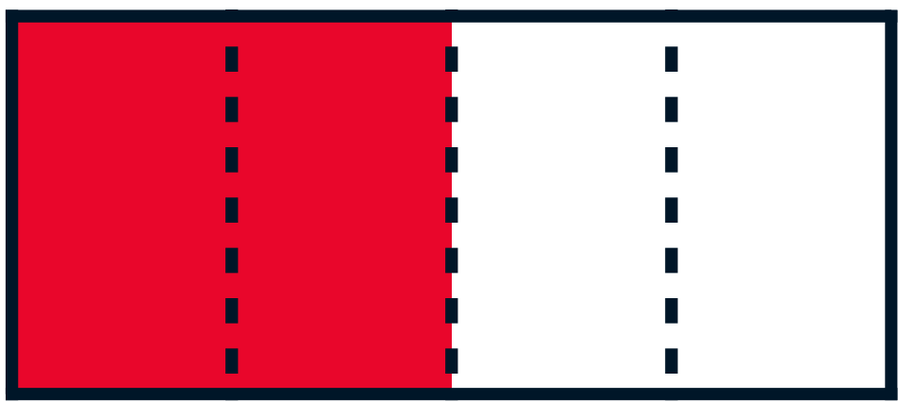


What's different?

What is the same? What's different?

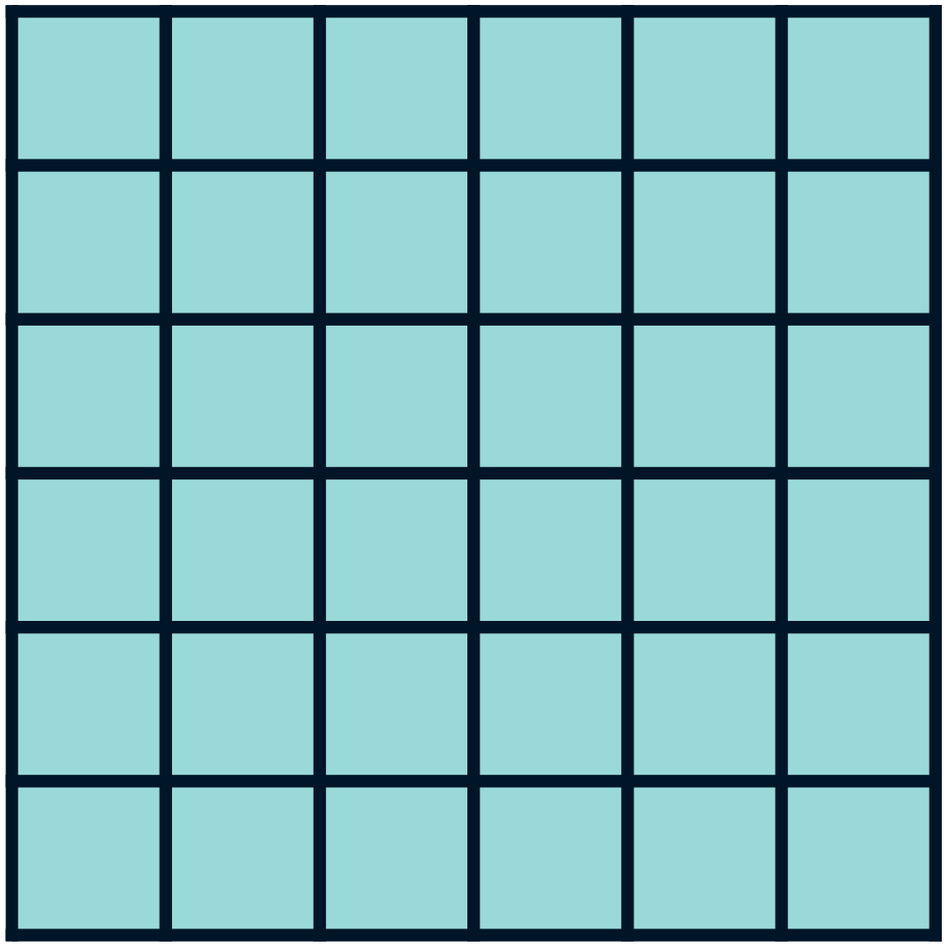


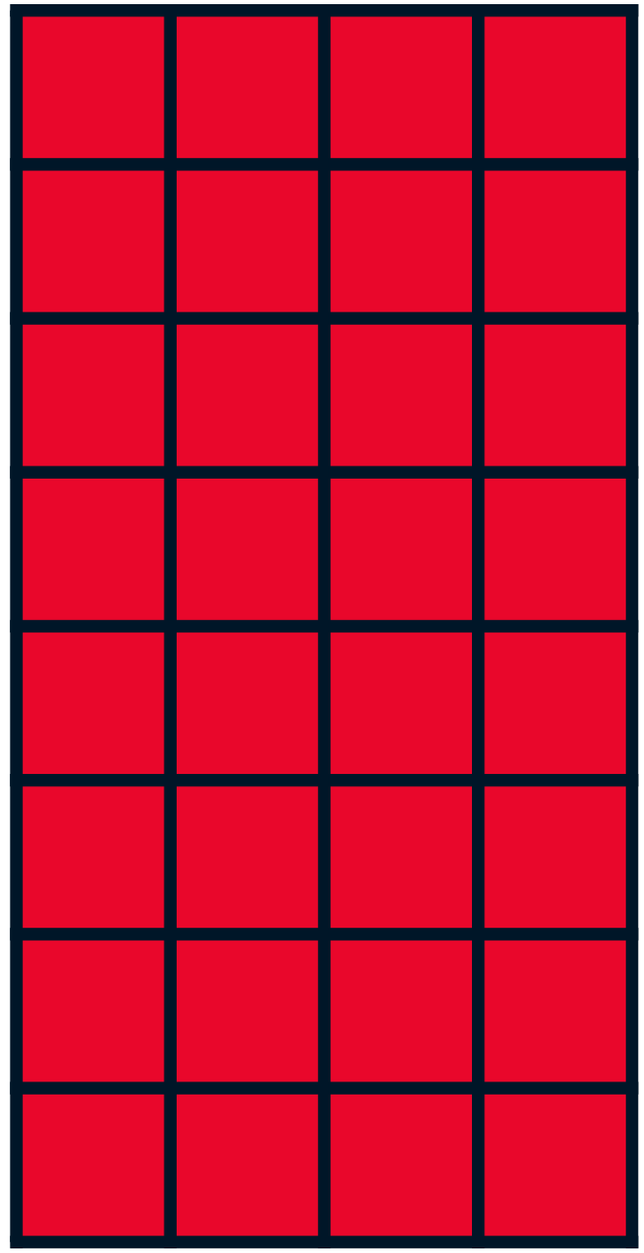




What is the same? What's different?

What is the same? What's different?





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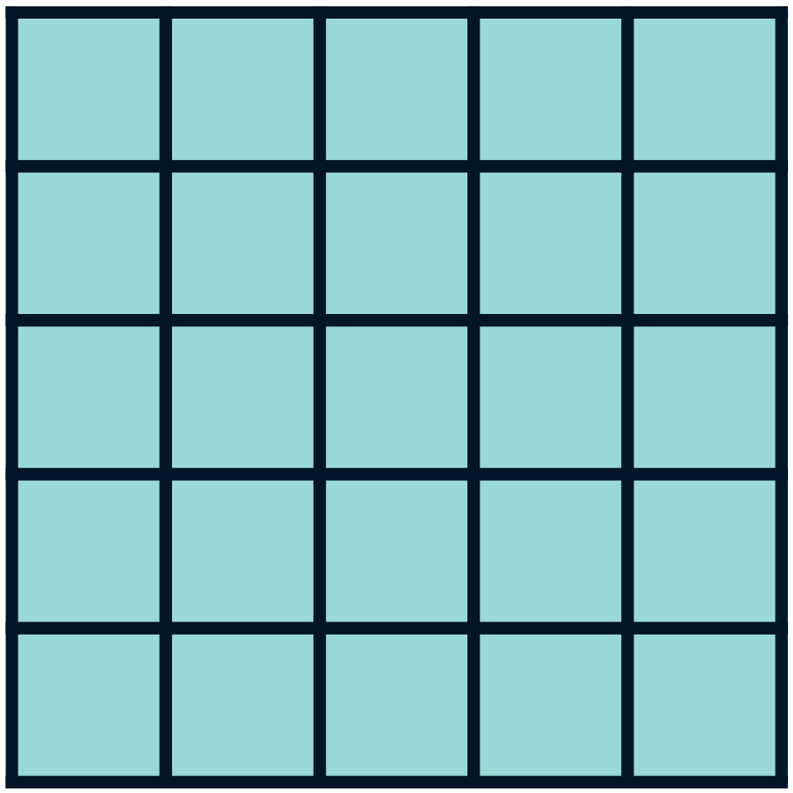
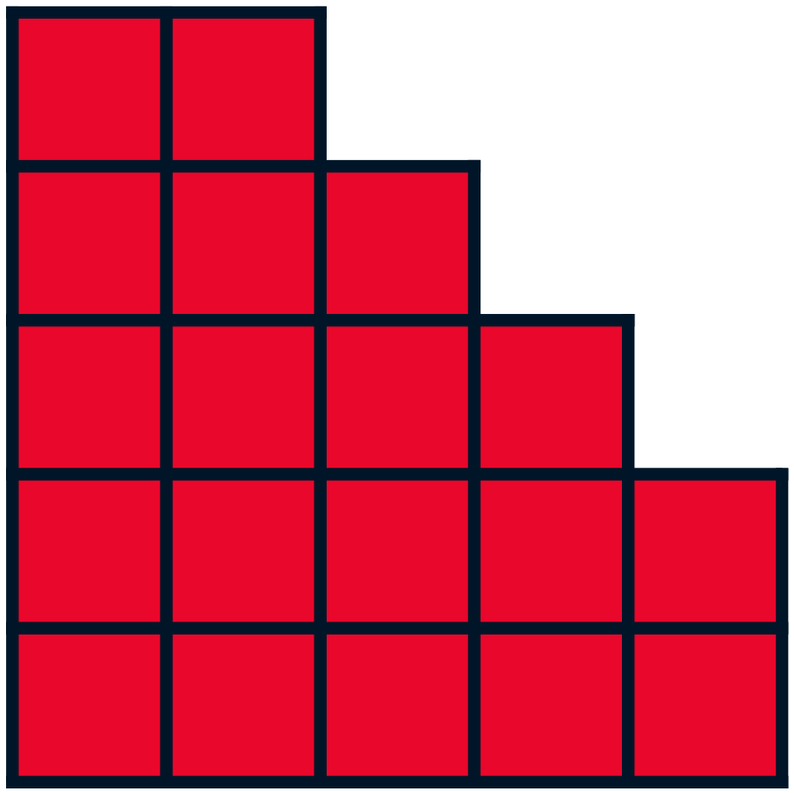
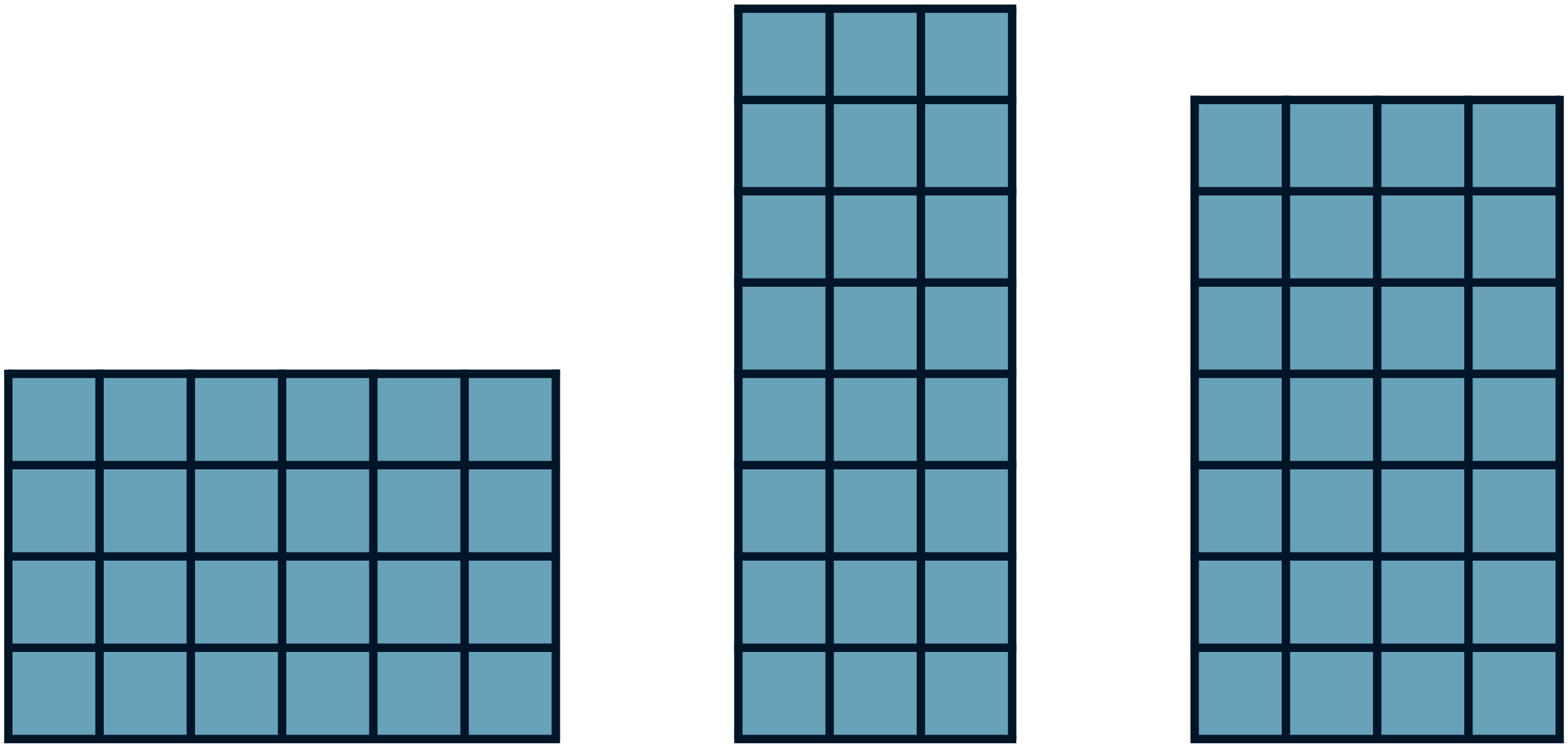




Which two are most alike?



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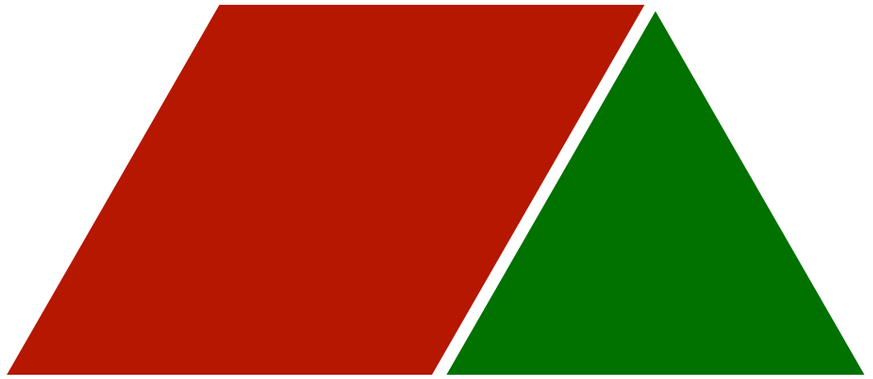

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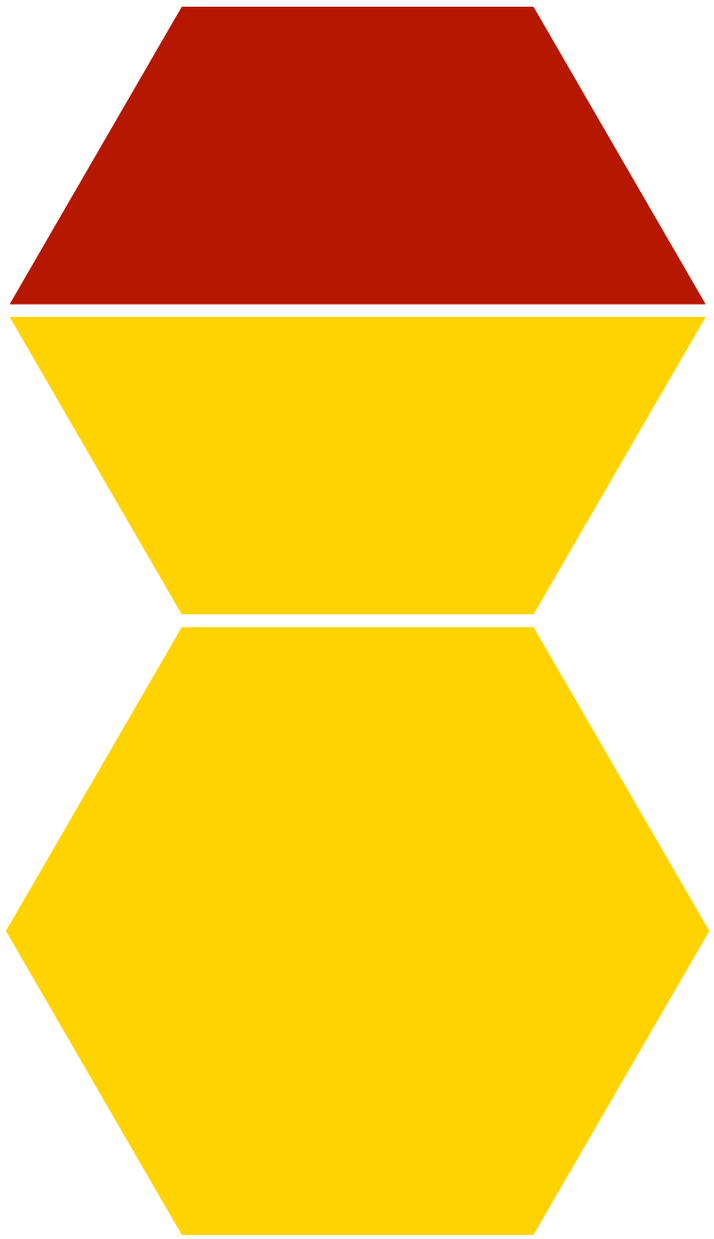
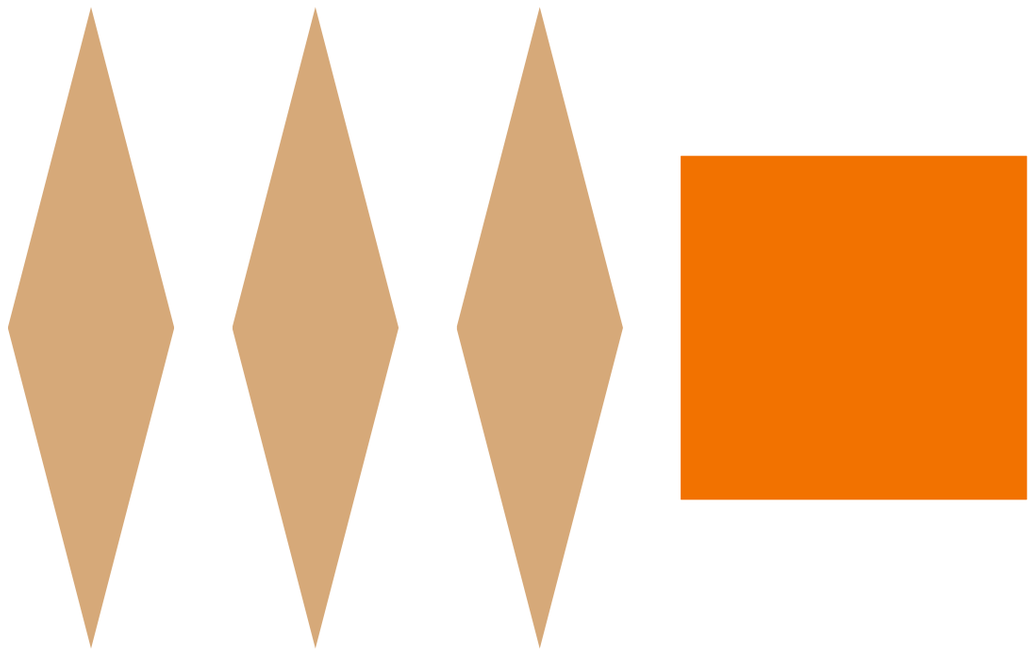
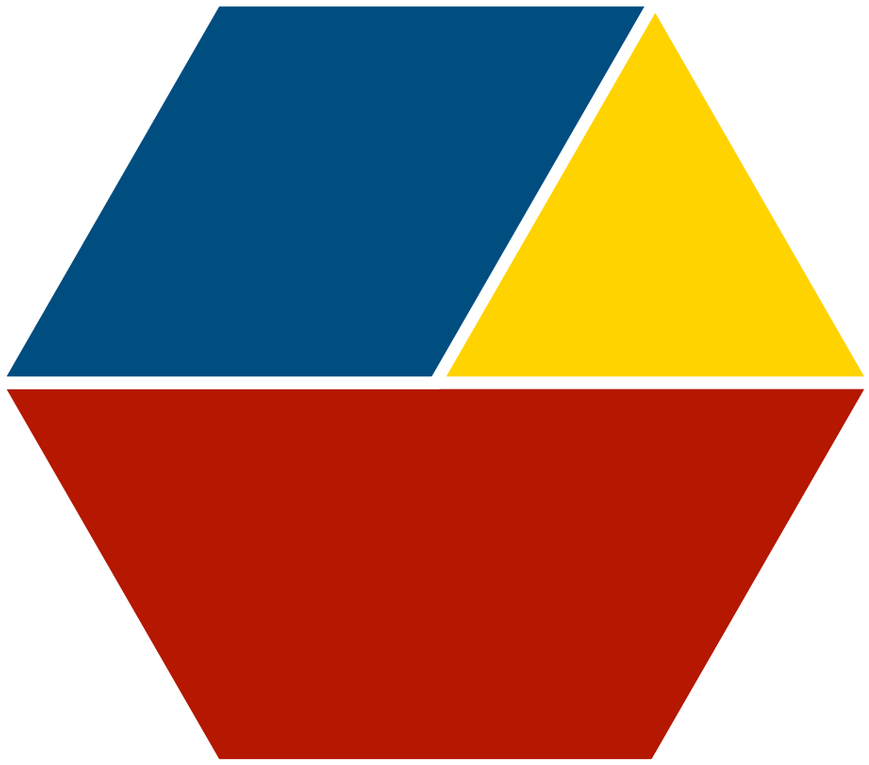


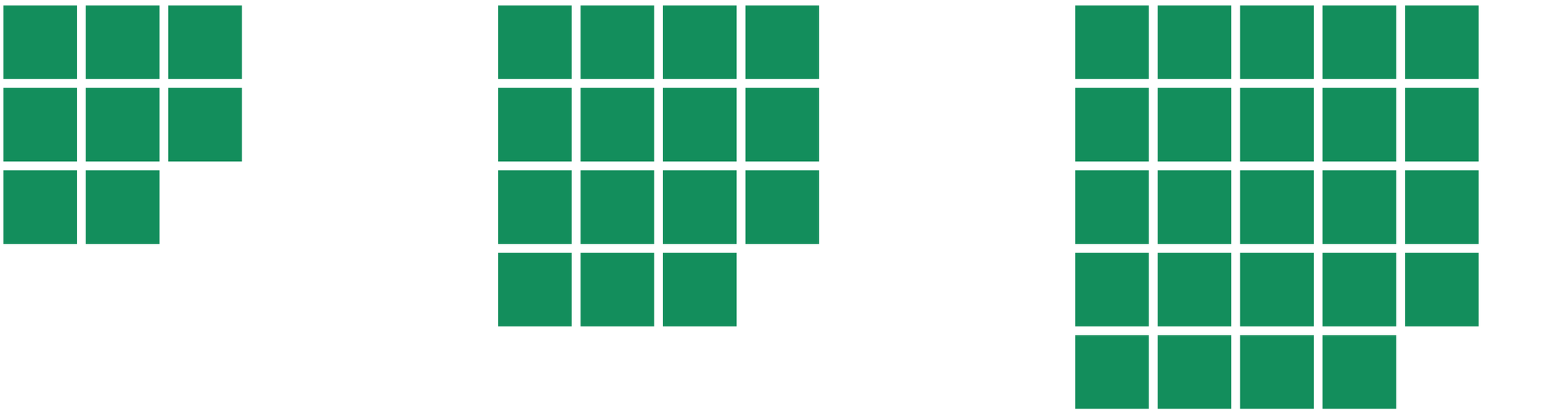


What is the same? What's different?

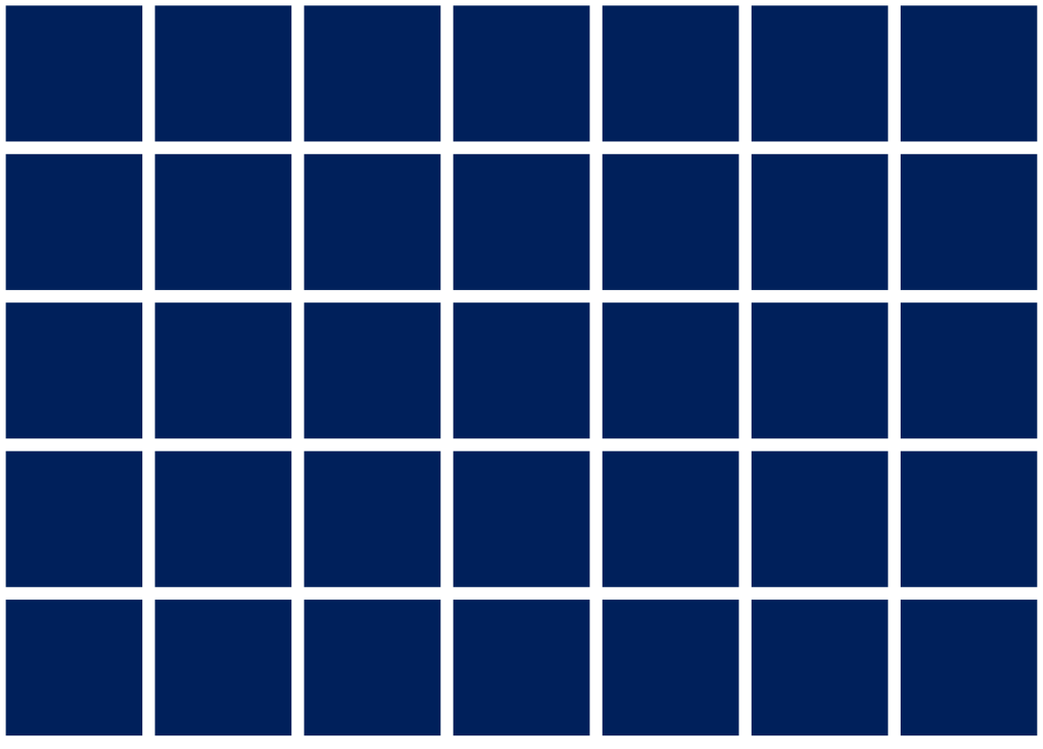
What is the same? What's different?

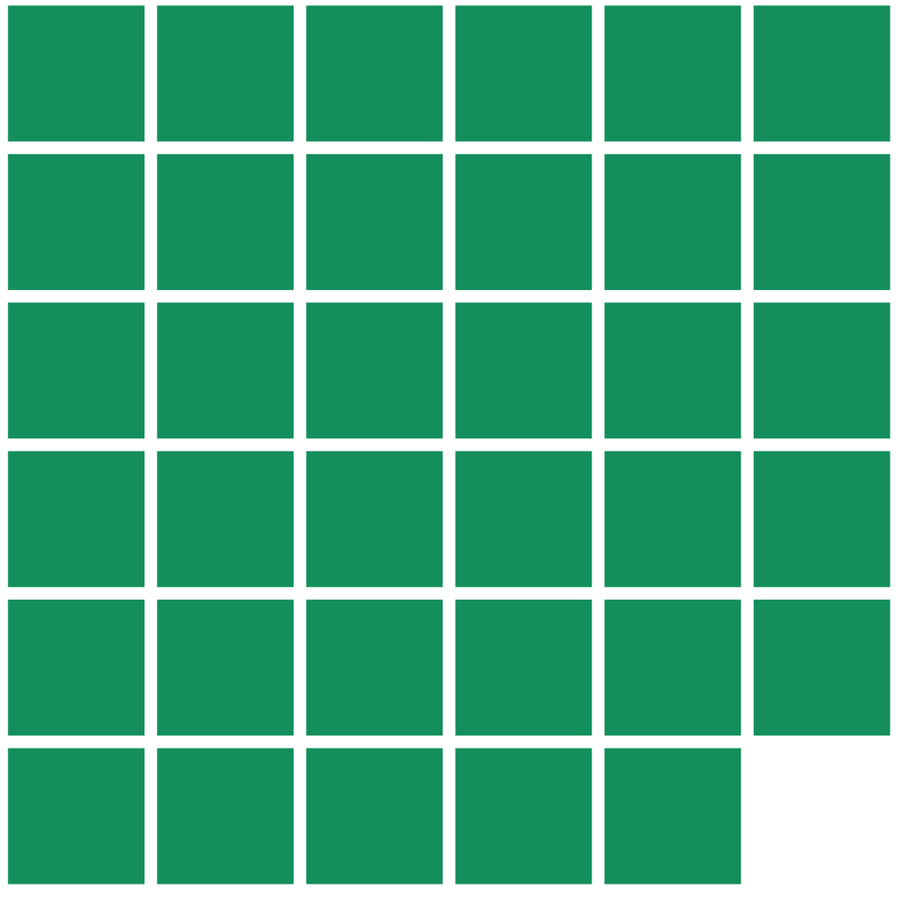


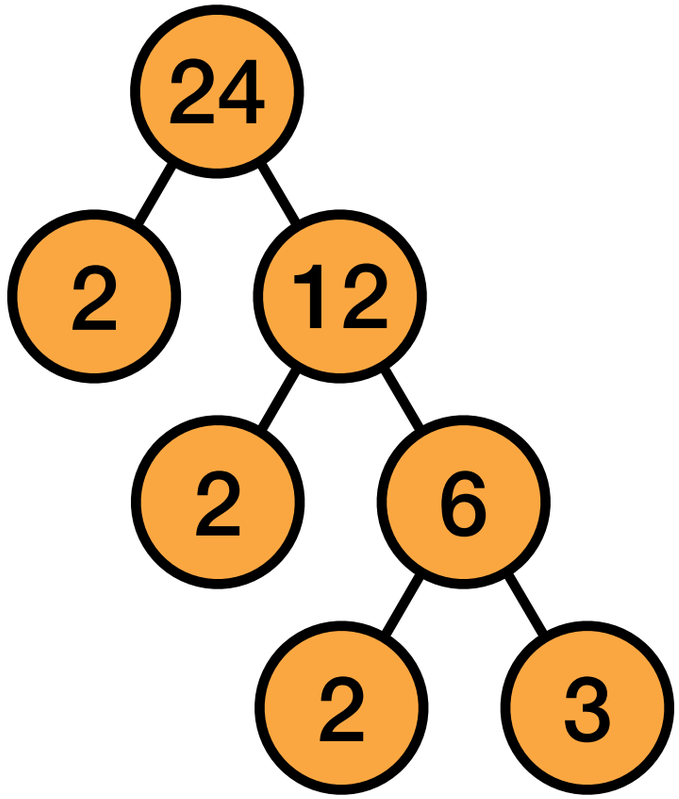
What is the same? What’s different?



What is the same? What's different?



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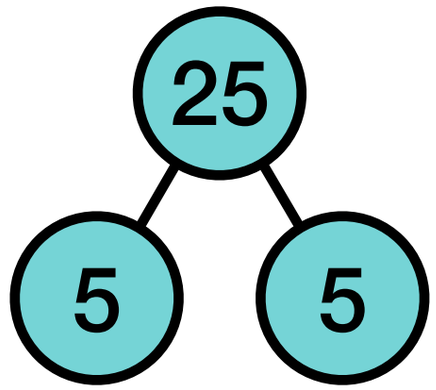
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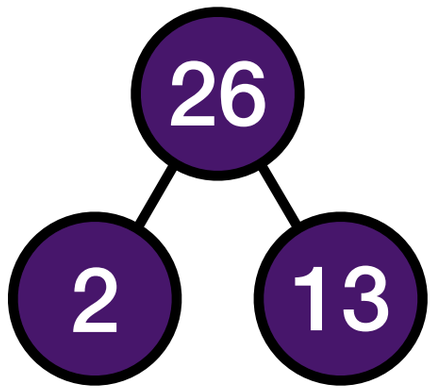
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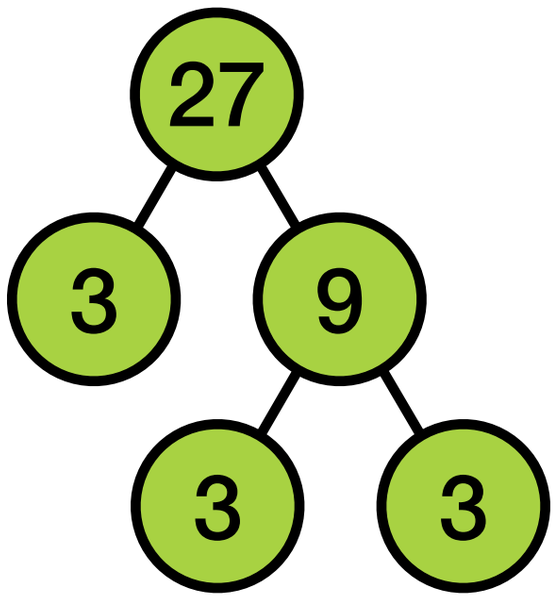
2
13


27
3
9
3
3

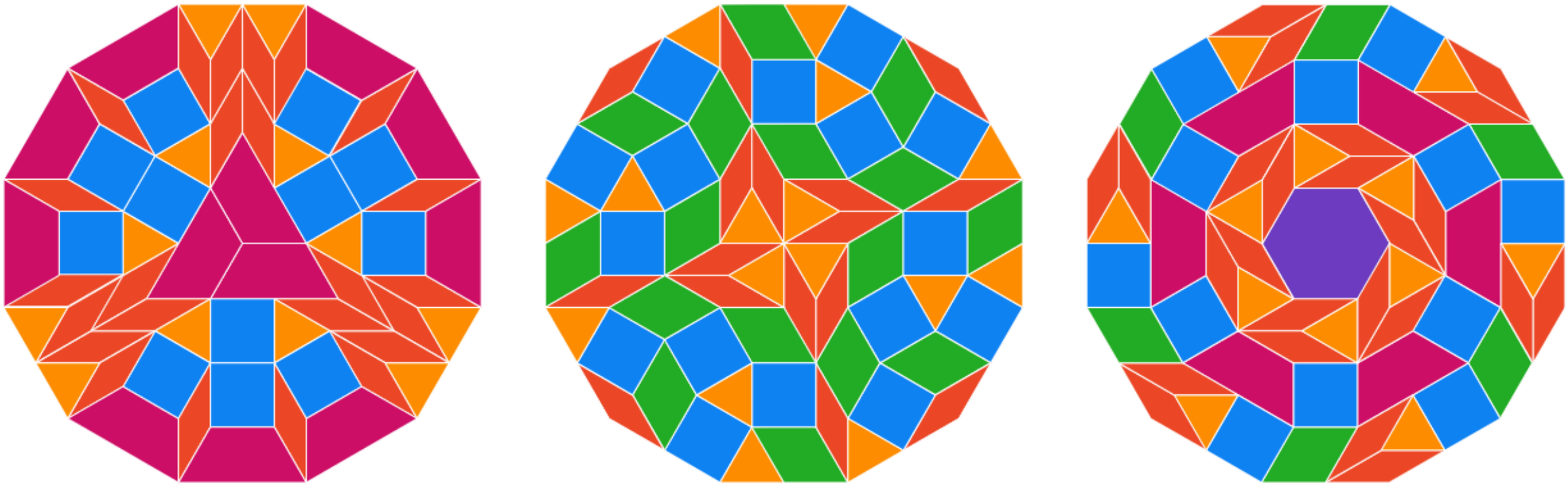
$x + 9 = 15$

$4x - 7 = 17$

$3x + 1 = 16$

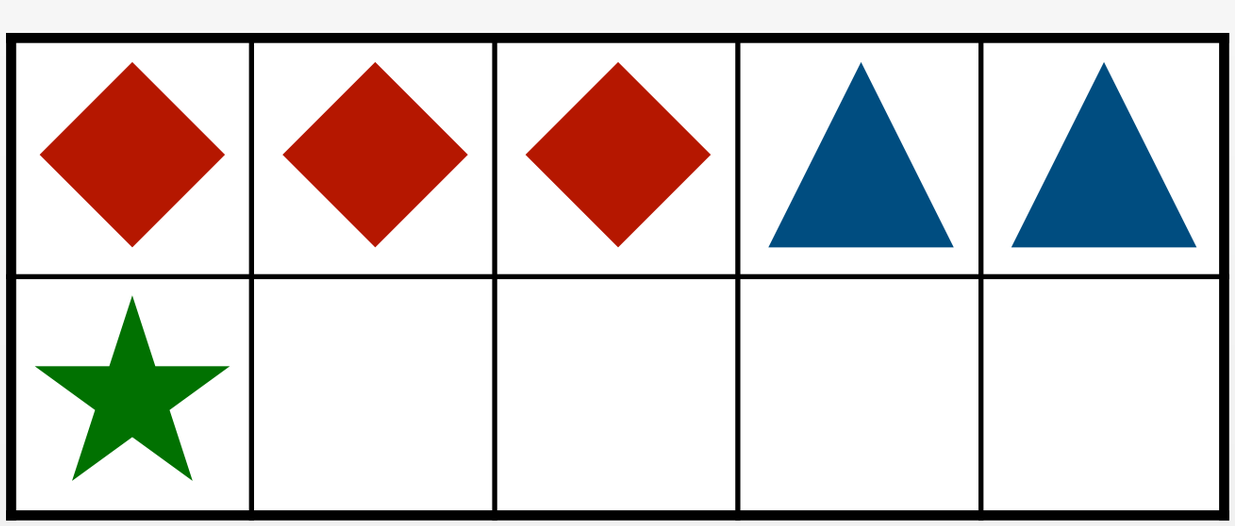
$11 = \frac{x}{2} + 8$

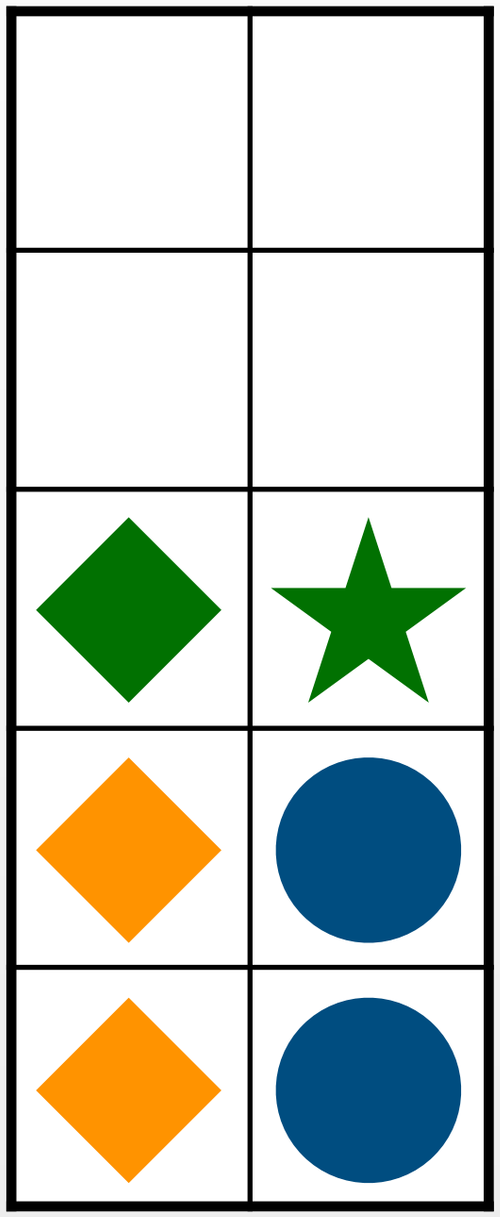
Which two are most alike?



Polypad by Mathigon

What is the same? What's different?



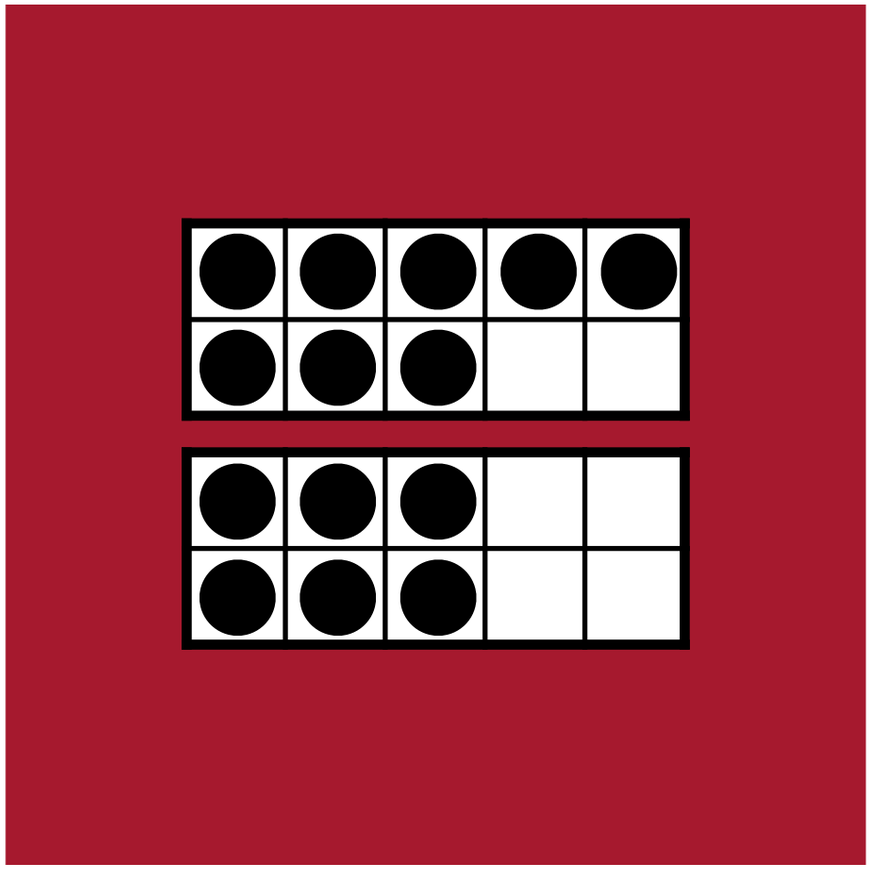


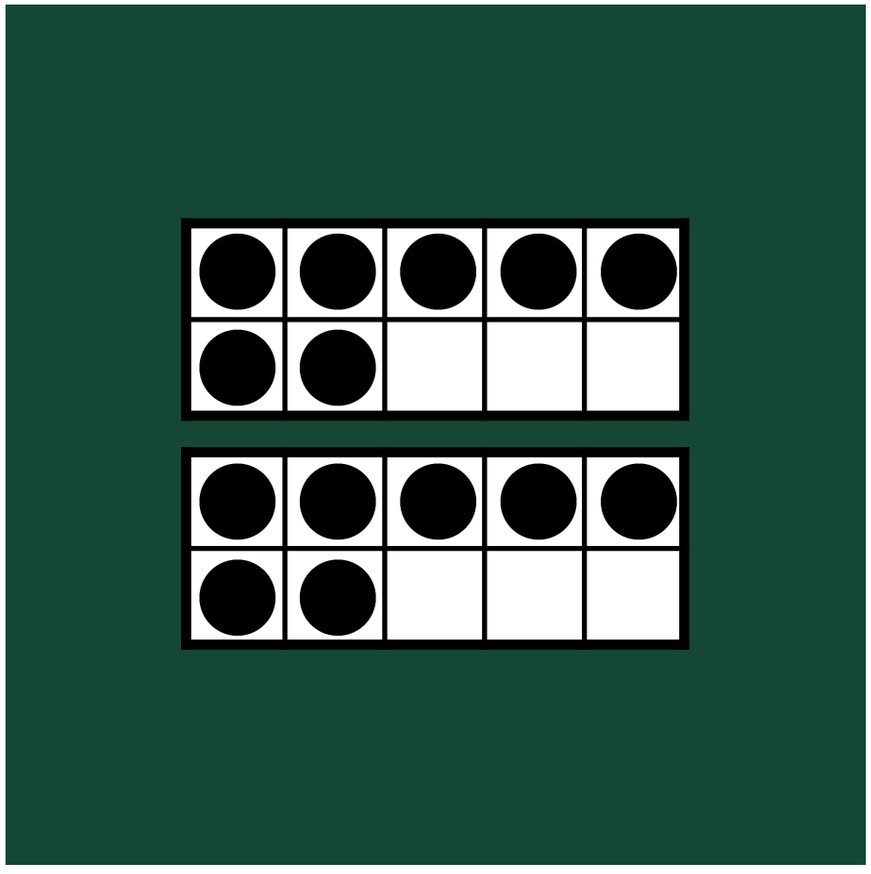
Which two are most alike?

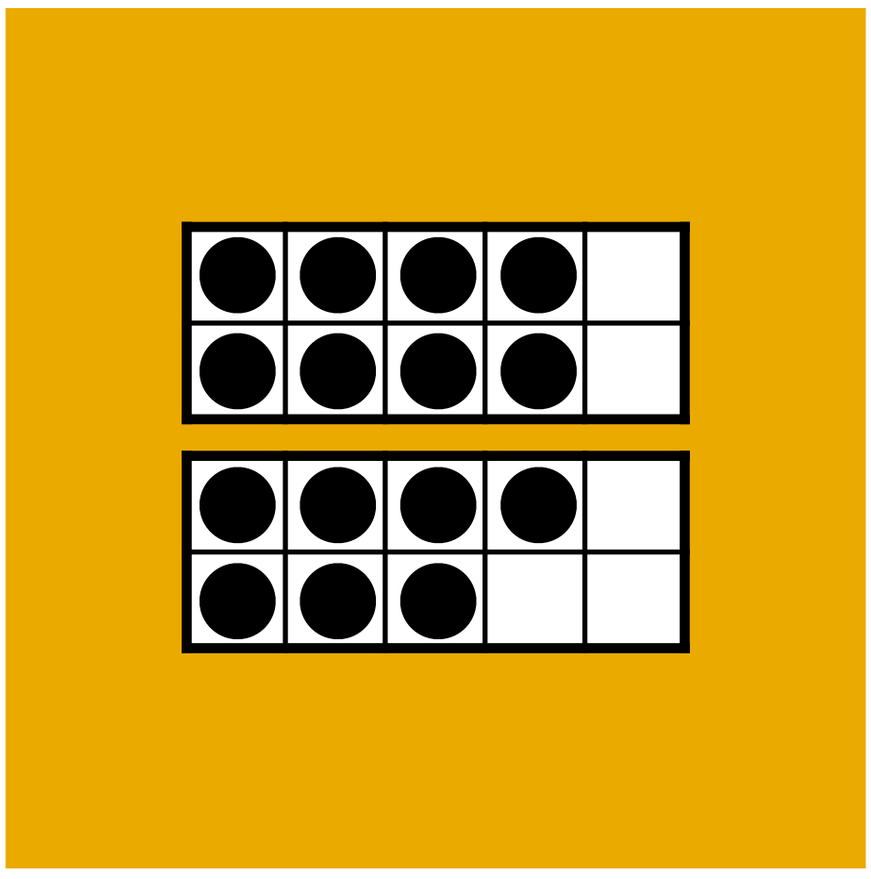
$$x + 4 = 6$$

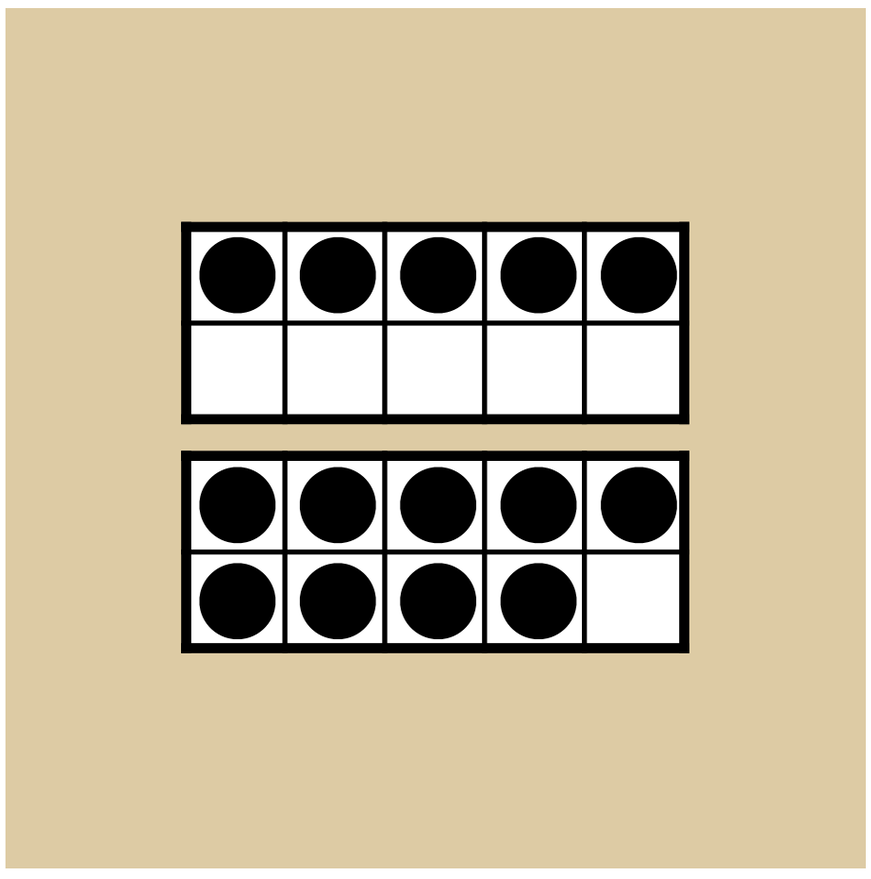
$$3(x + 4) = 18$$

$$3x + 12 = 18$$









$$y = 100\,(2)^{\frac{x}{3}}$$

$$y = 50\,(4)^{\frac{x}{3}}$$

$$y = 400\left(\frac{1}{2}\right)^{\frac{x}{3}}$$

$$y = 100\,(3)^{\frac{x}{2}}$$

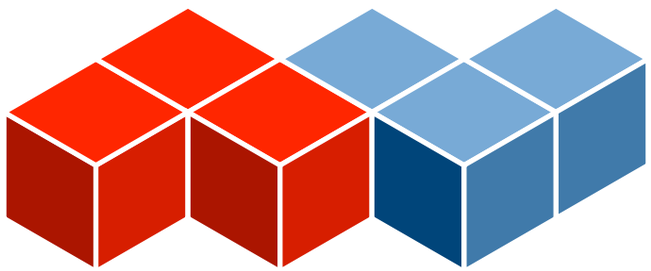
Which two are most alike?

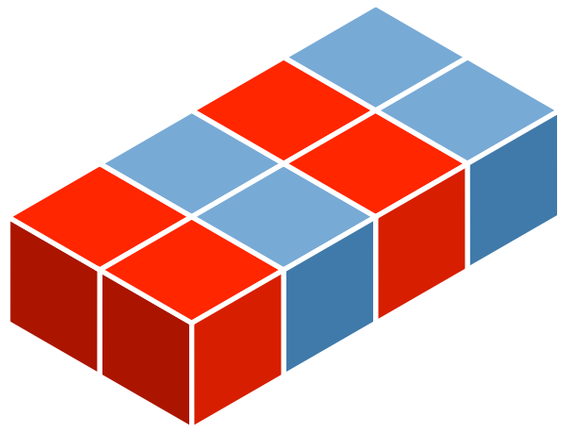
$$f(x) = 50\,(4)^{\frac{x}{3}}$$

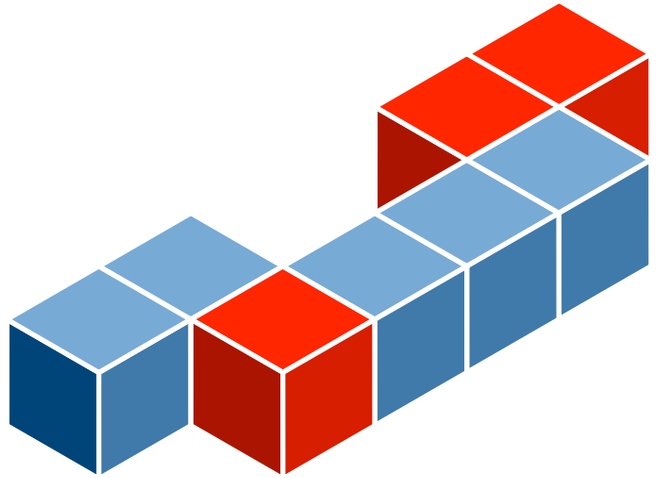
$$g(x) = 400\left(\frac{1}{2}\right)^{\frac{x}{3}}$$

$$h(x) = 100\,(3)^{\frac{x}{2}}$$

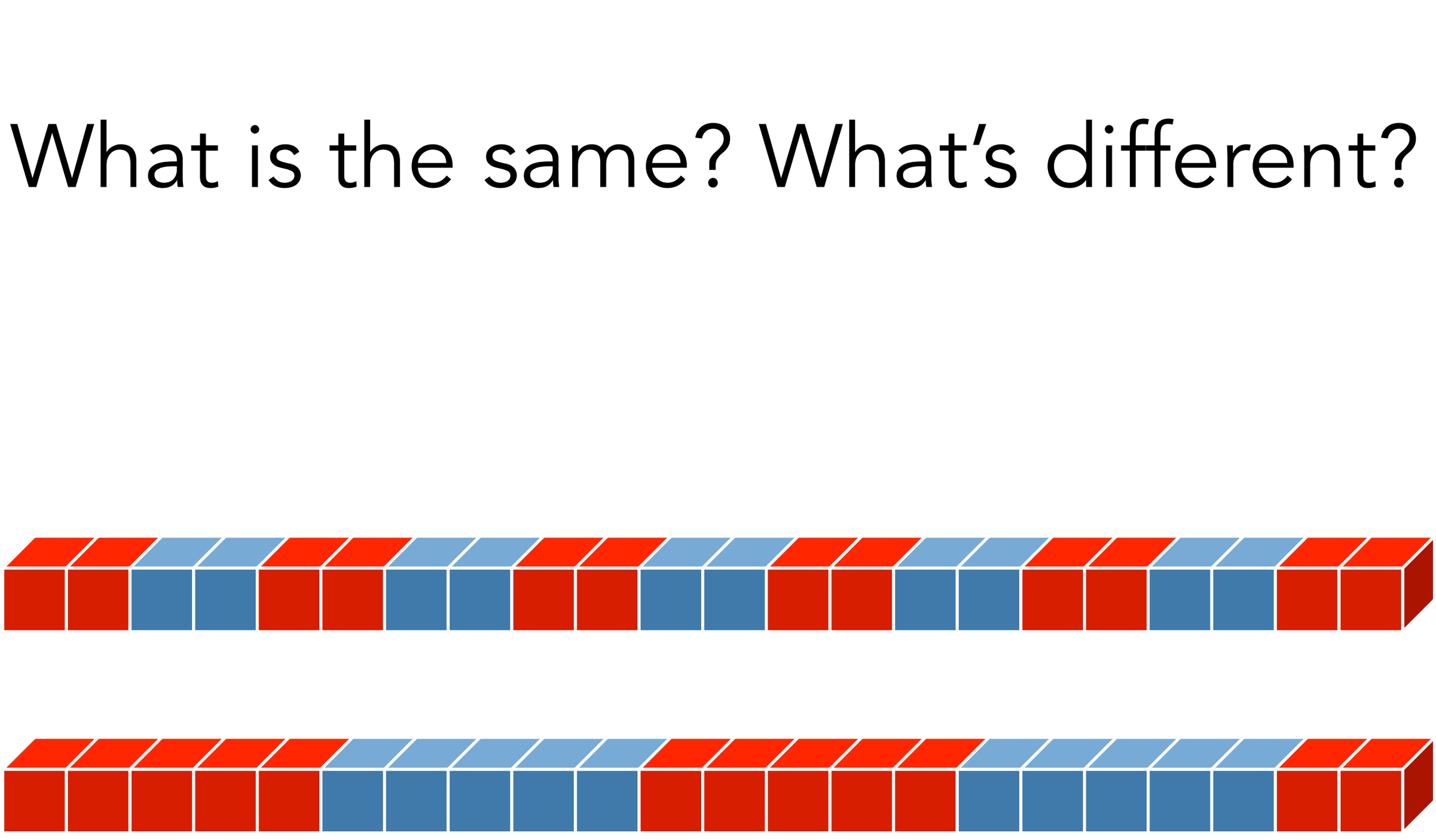
Which two are most alike?







What is the same? What's different?



What is the same? What's different?

NEW BLOOM II

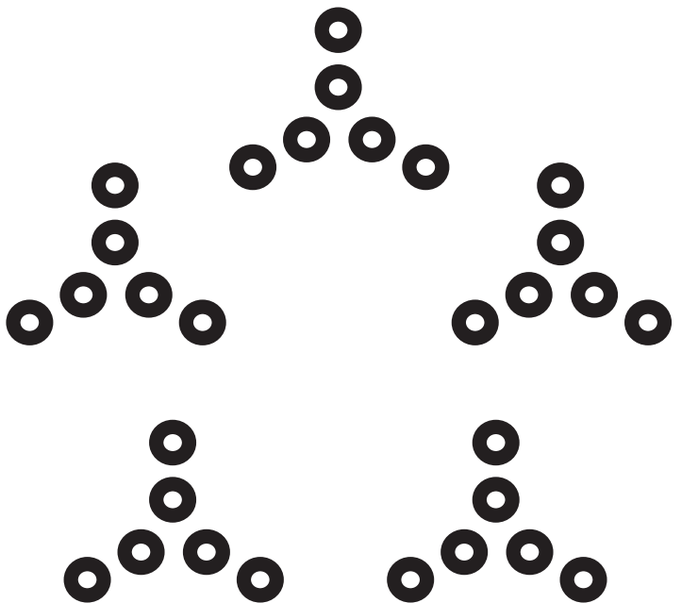
NEW BLOOM I

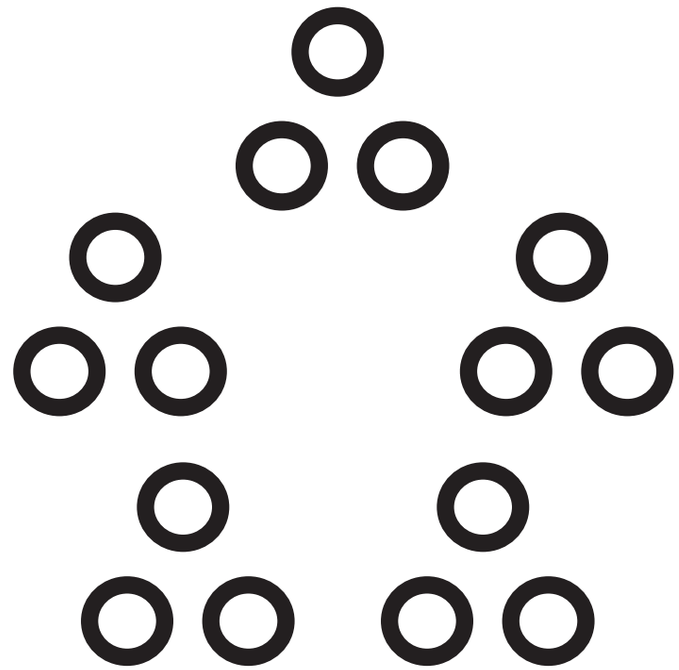
NEW BLOOM III

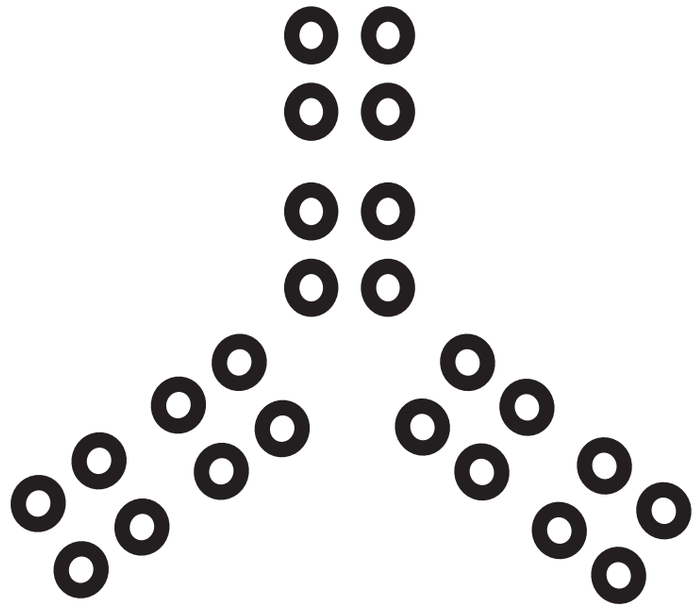
?

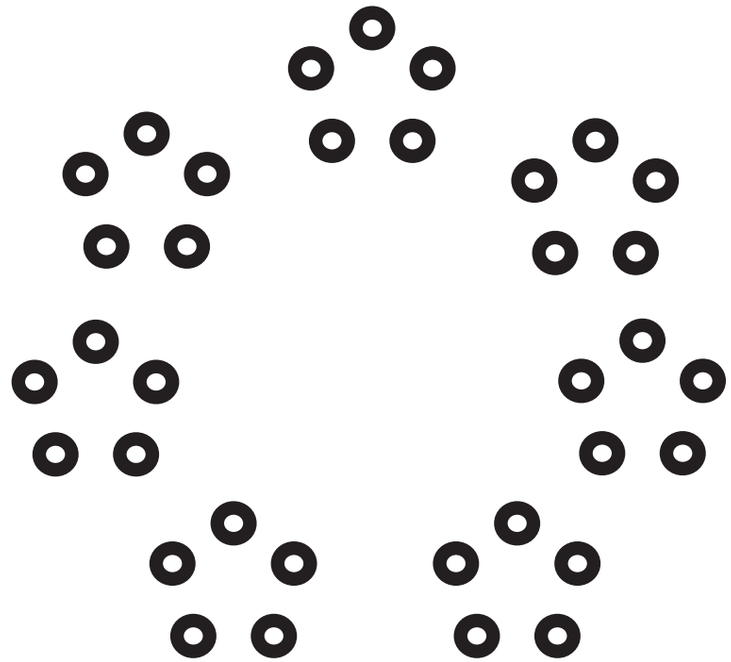
OILERS

TORONTO
MAPLE
LEAFS

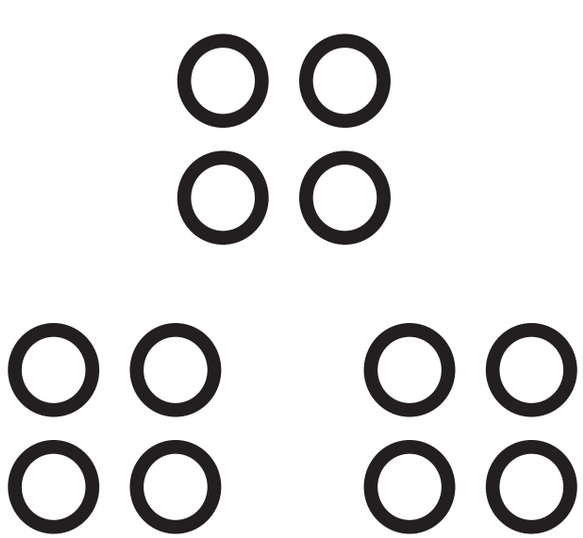


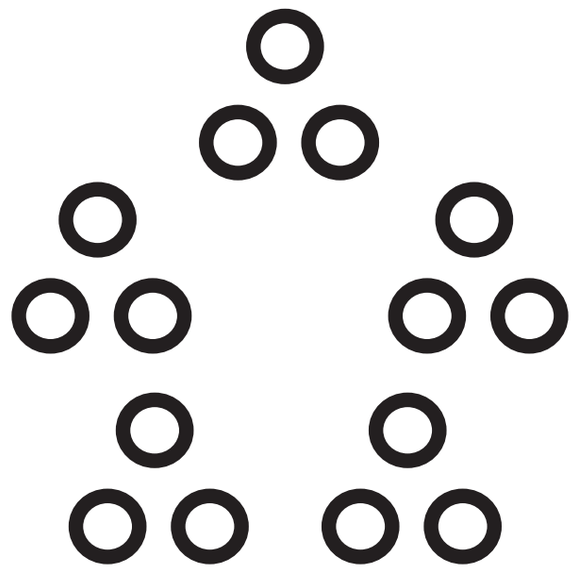


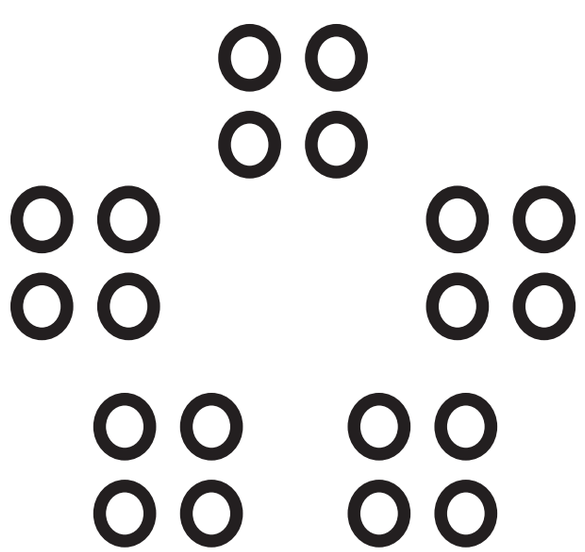




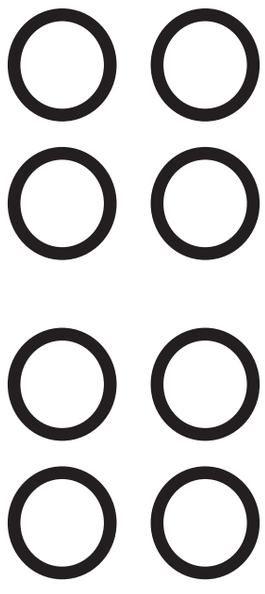
Which two are most alike?

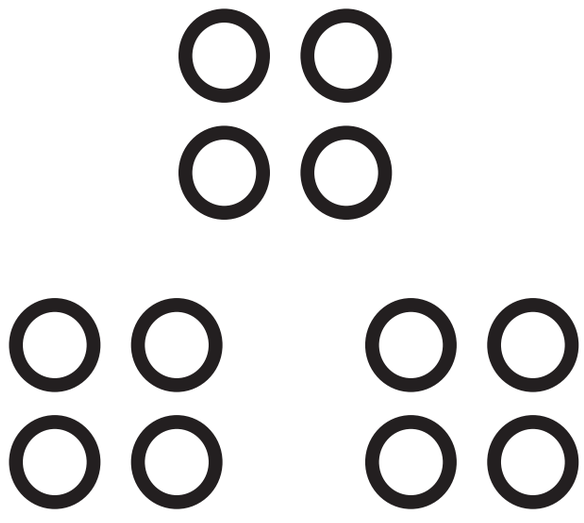


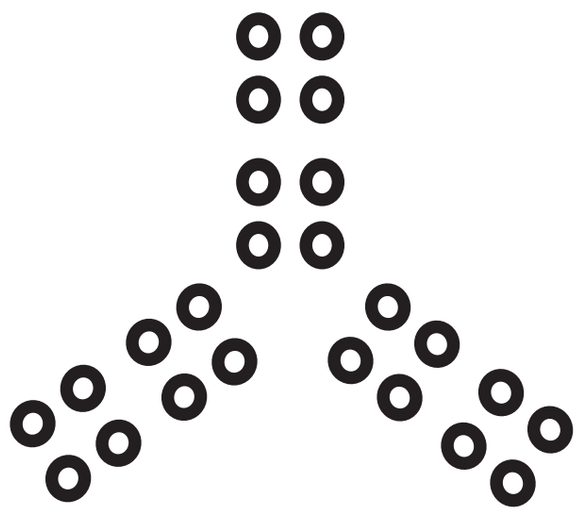




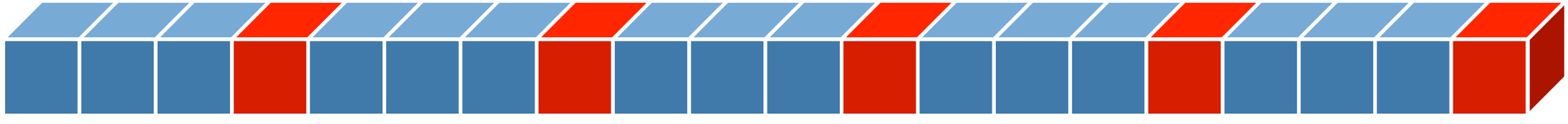
Which two are most alike?





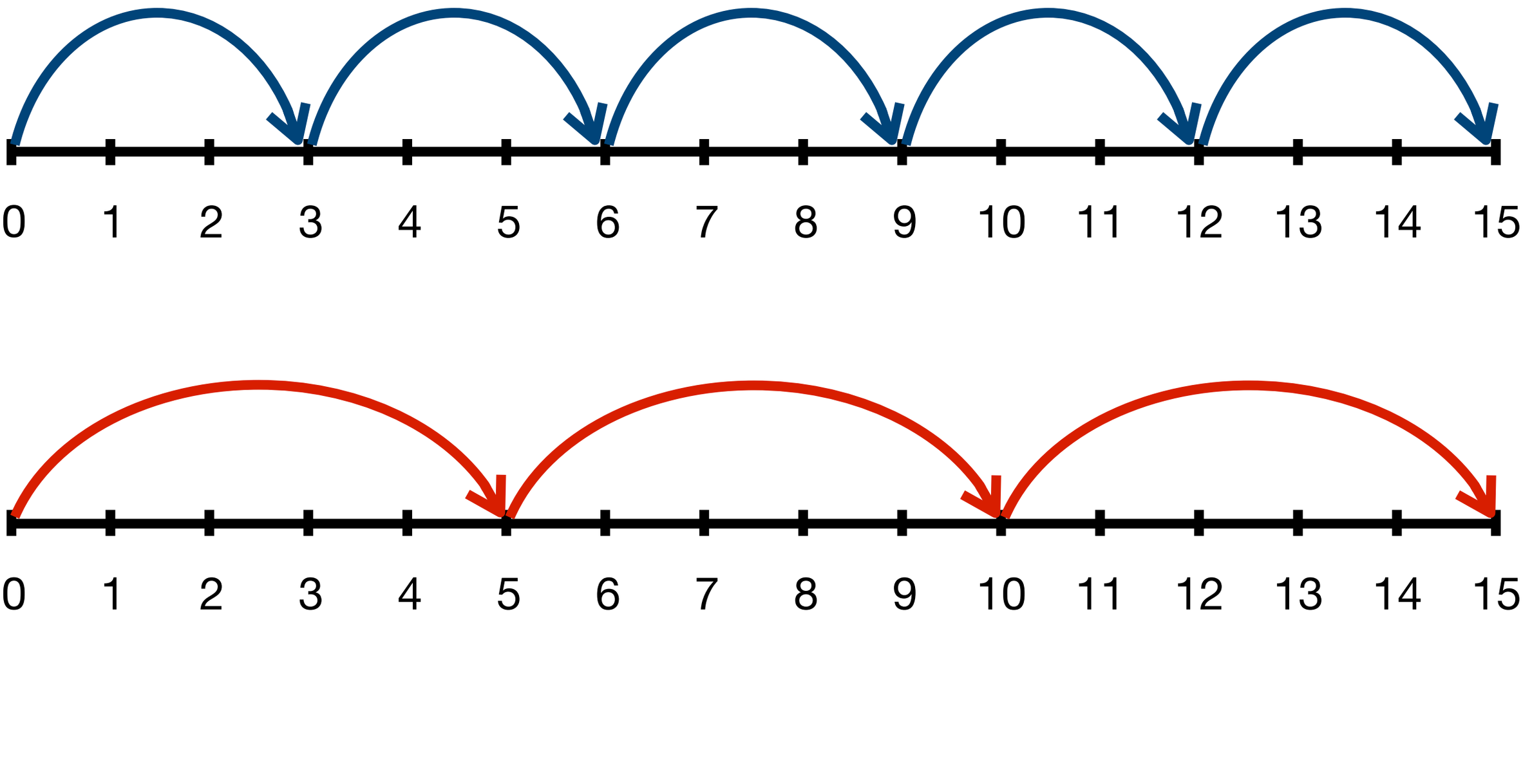


What is the same? What's different?



What is the same? What's different?

What is the same? What's different?



What is the same? What's different?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

49

36

64

81

64

27

125

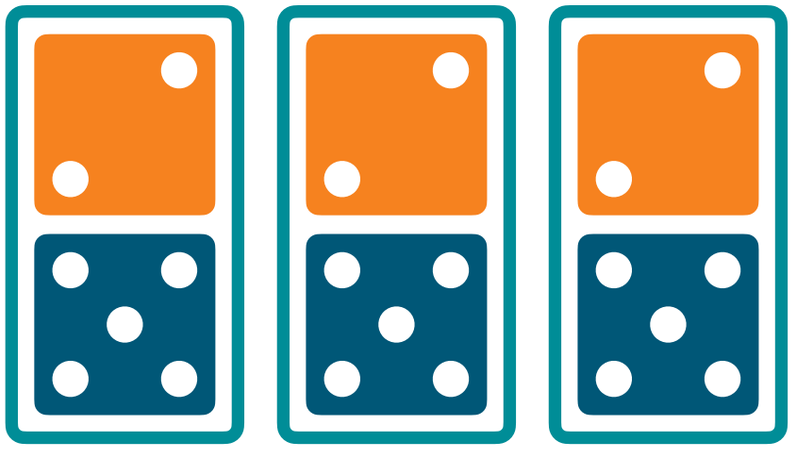
144

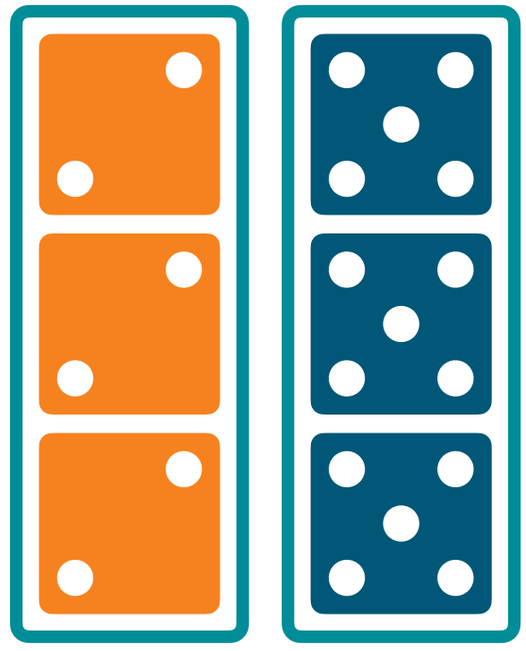
Which one doesn't belong?

Which one doesn't belong?

Which one doesn't belong?

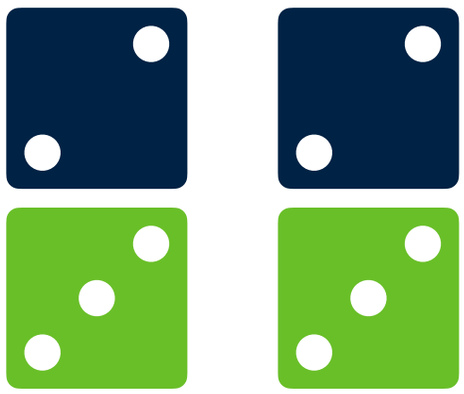
What is the same?

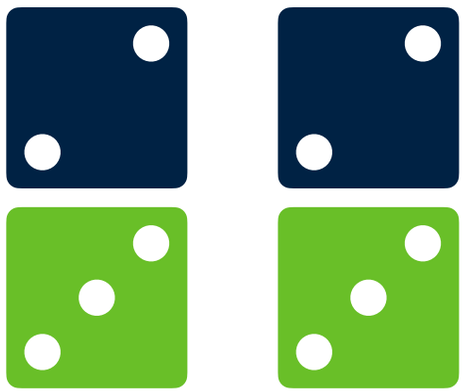


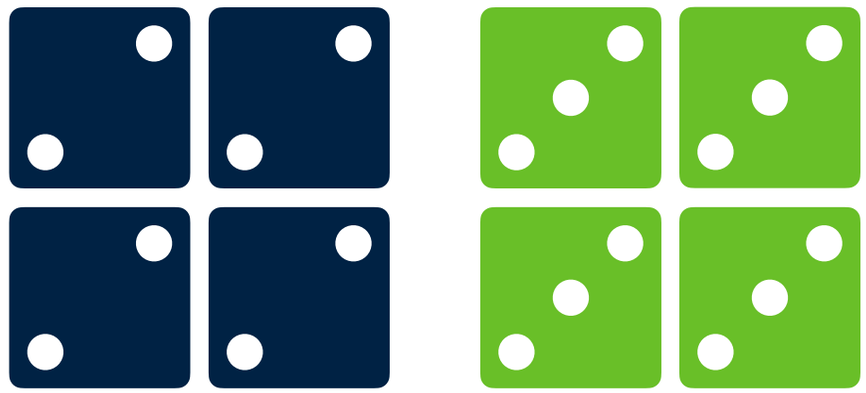


What's different?

What is the same?





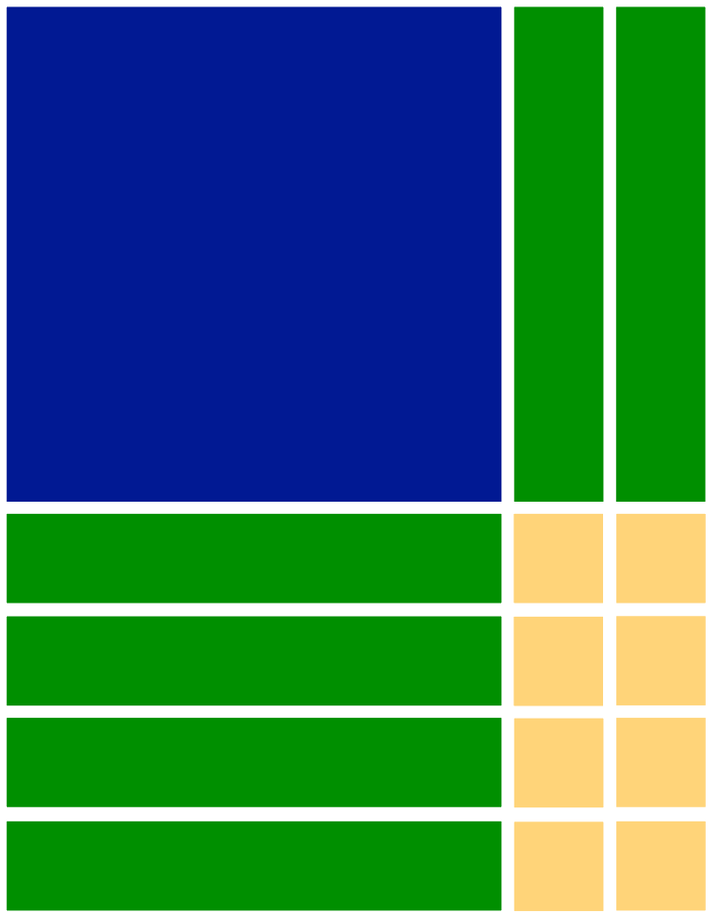


What's different?

What is the same? What's different?

What is the same? What's different?

What is the same? What's different?

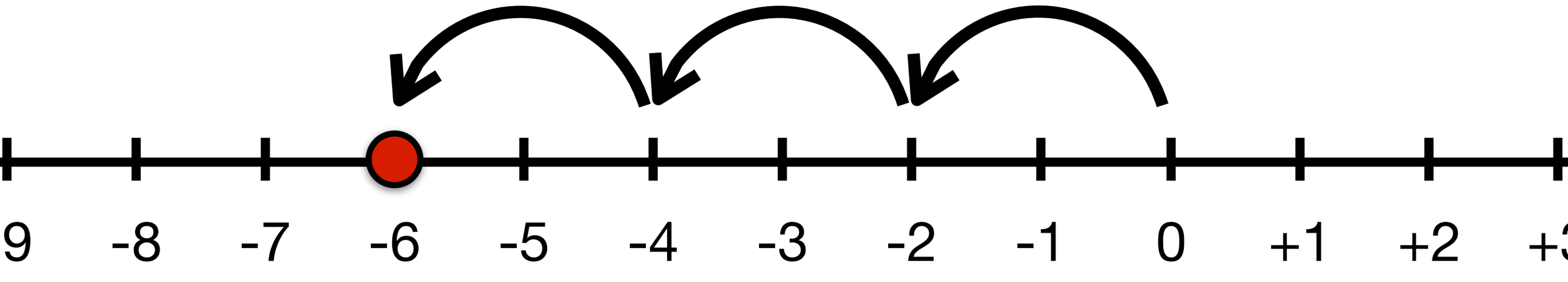


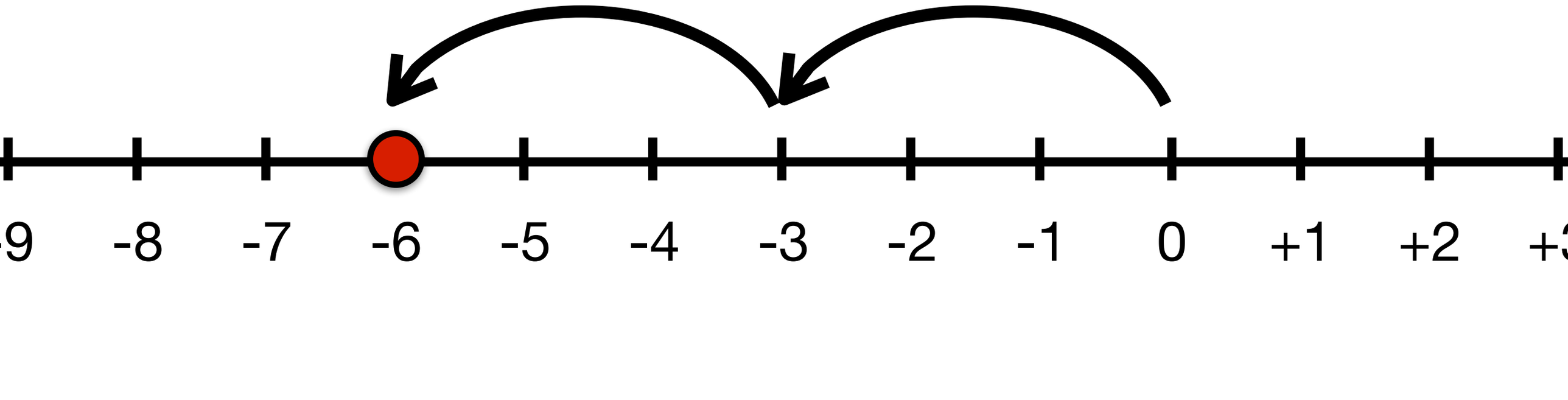
What is the same? What's different?

$$y = (x - 5)(x - 9)$$

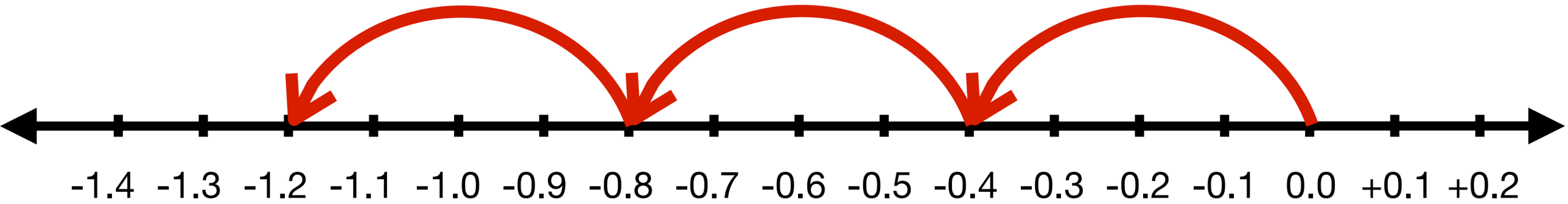
$$y = (x - 7)^2 - 4$$

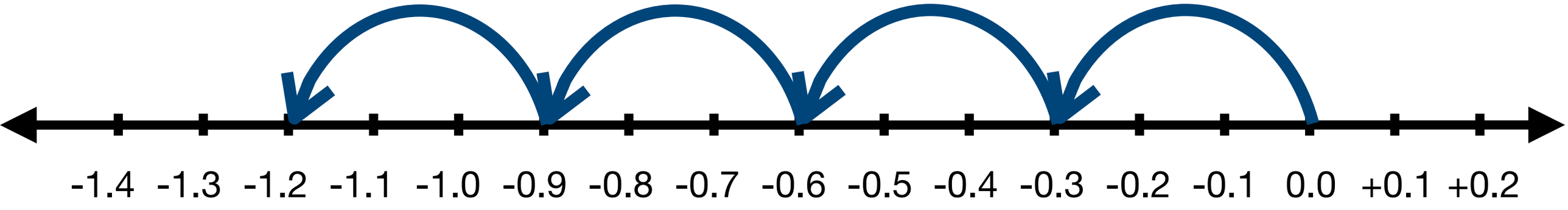
What is the same? What's different?



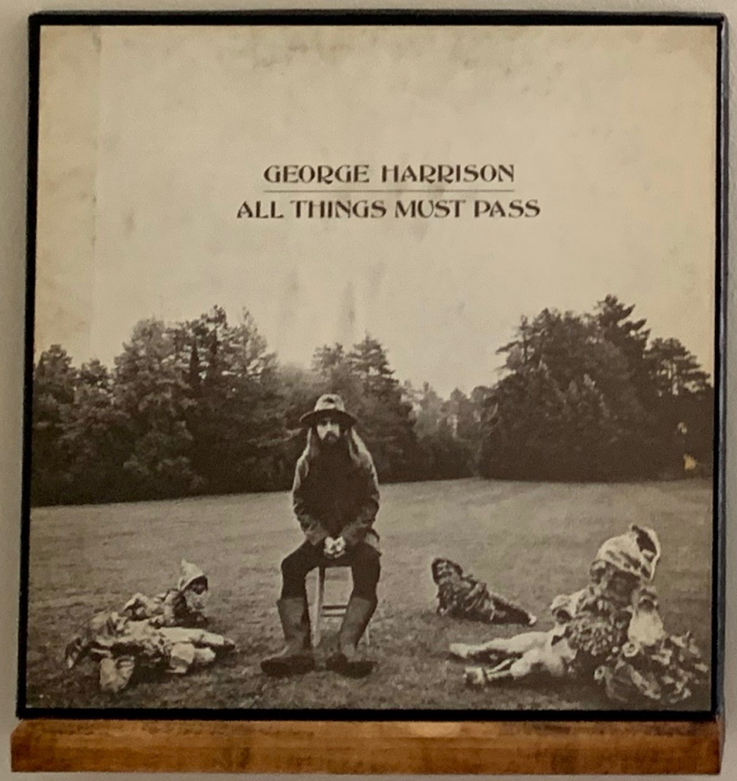


What is the same? What's different?

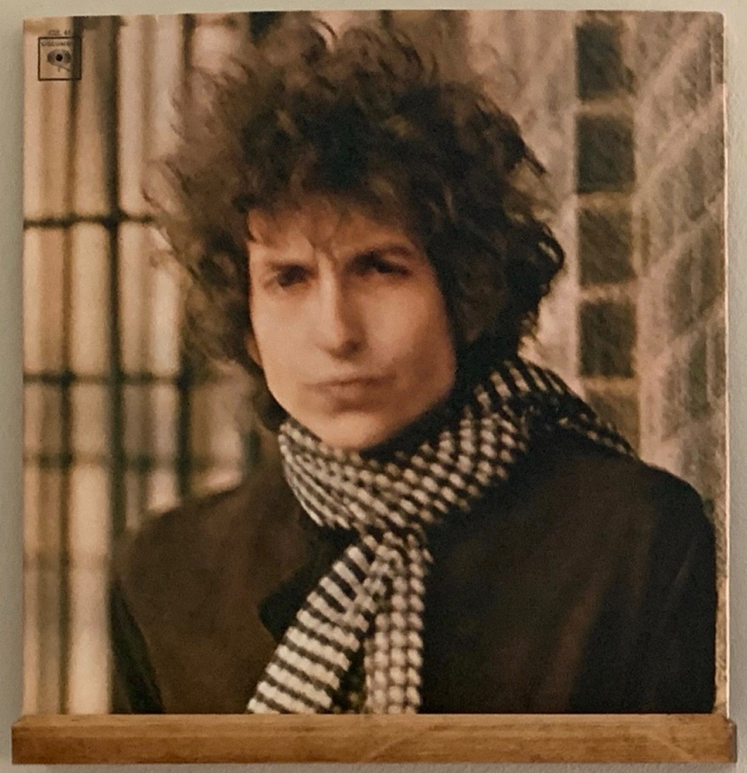


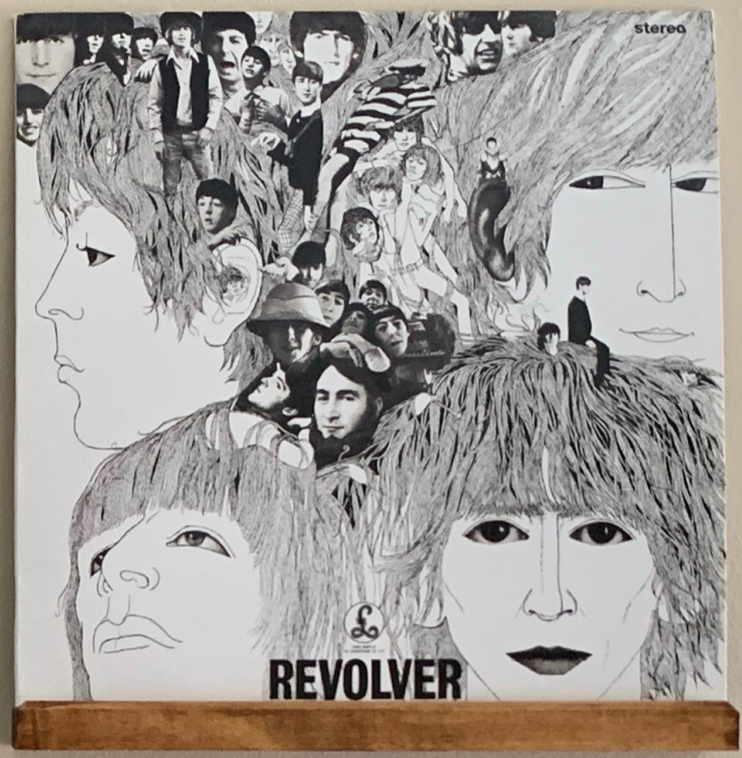


John Lennon
Double Fantasy
Yoko Ono

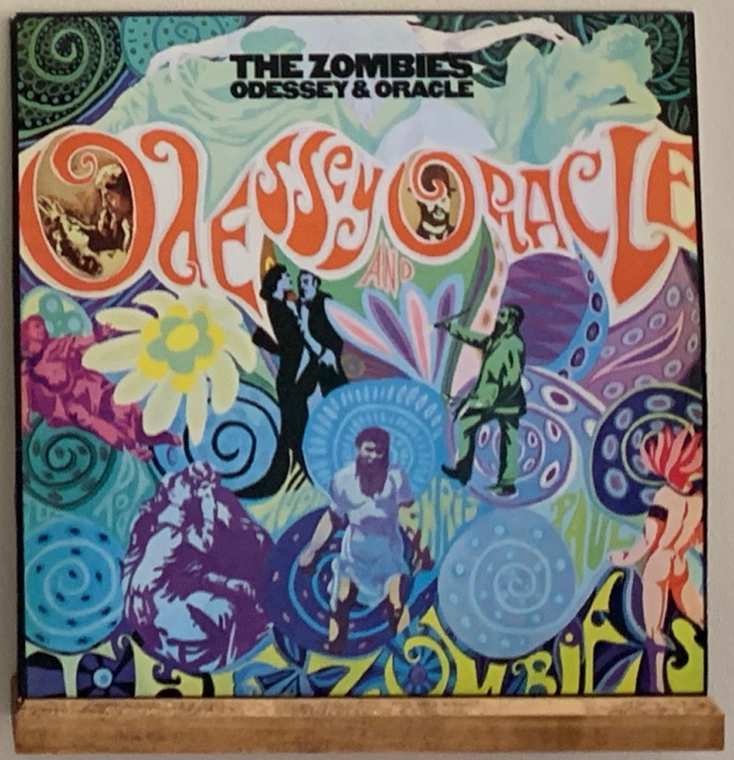

GEORGE HARRISON
ALL THINGS MUST PASS

The Beatles / 1967-1970

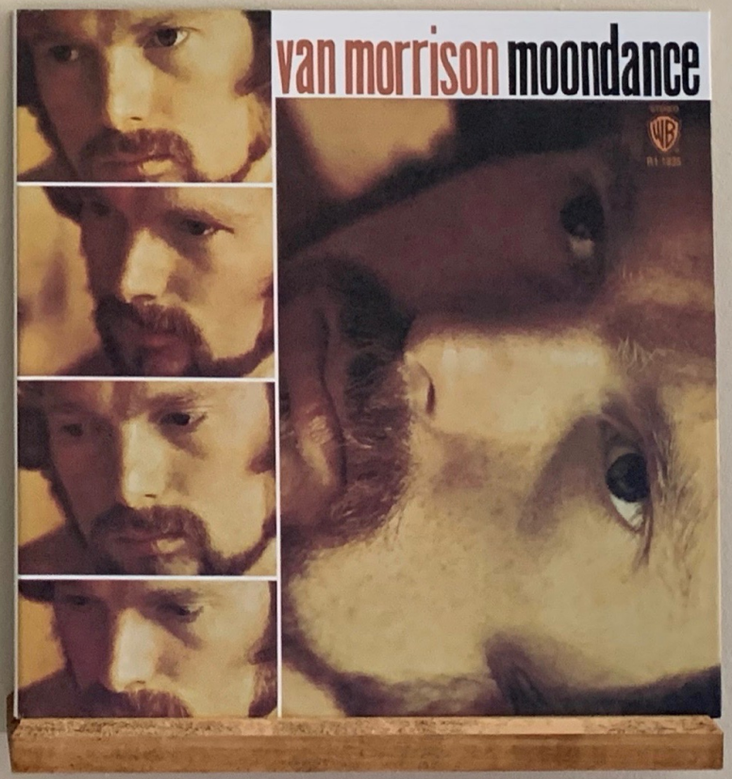


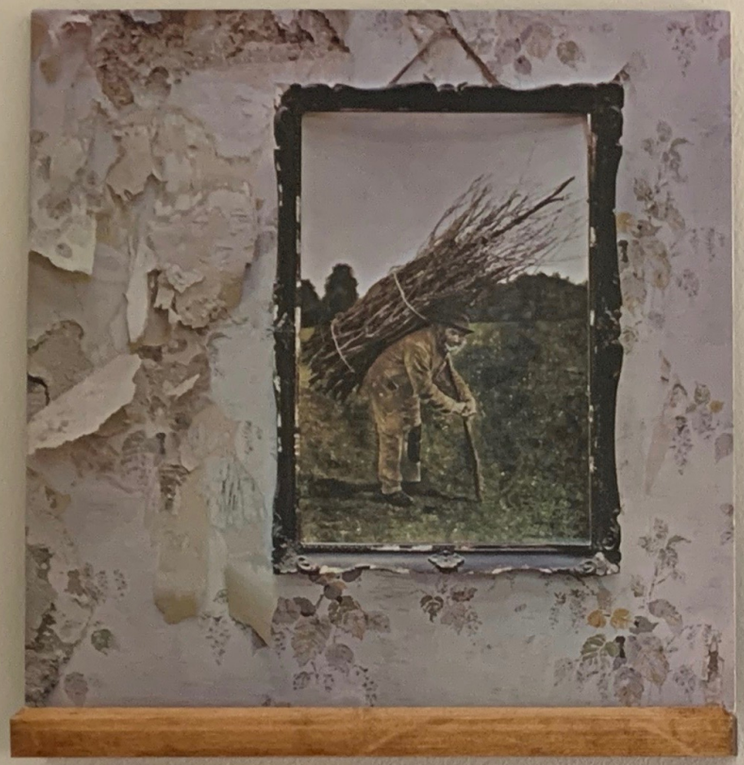

stereo
REVOLVER

ROLLING STONES LET IT BLEED


THE ZOMBIES
ODESSEY & ORACLE

Crosby, Stills, Nash & Young
Dallas Taylor & Greg Reeves
Déjà vu


van morrison moondance



DAVID BOWIE
ZIGGY STARDUST
K.WEST
RCA
VICTOR

MCA RECORDS
Who's next

FLEETWOOD MAC

CREAM
DISRAELI GEARS
The PRICELESS Collection
DISRAELI GEARS
CREAM
RSO

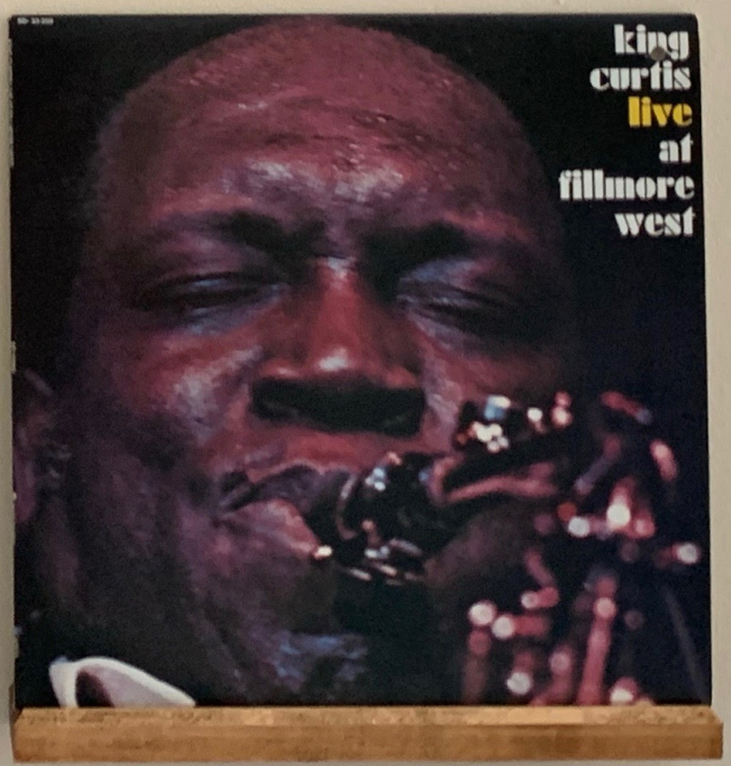
STEREO
THE Jimi Hendrix experience
are you experienced

LED ZEPPELIN
ATLANTIC

STEREO
Aretha Franklin
I Never Loved A Man
The Way
I Love You
ATLANTIC

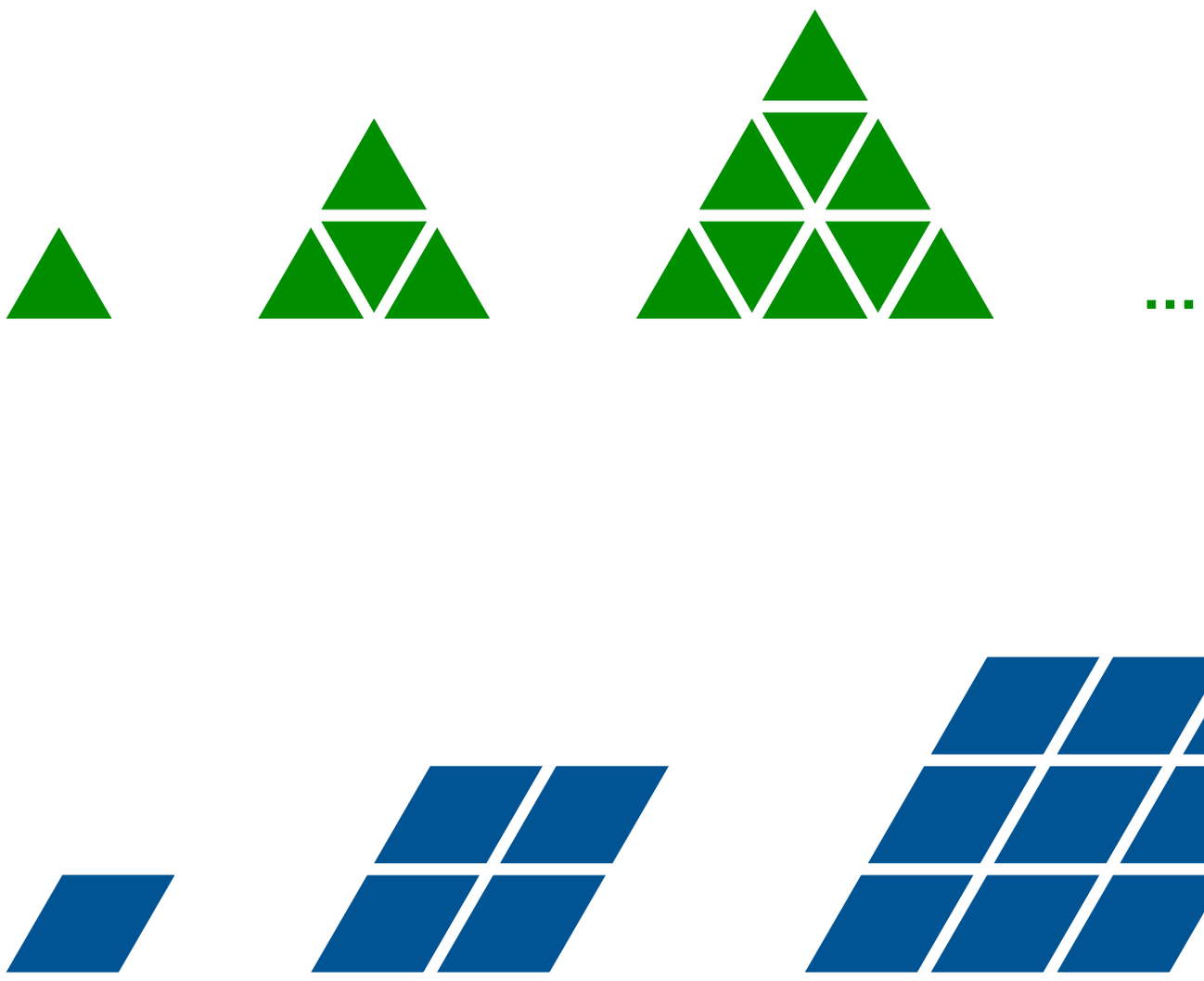
THE GENIUS
SINGS THE BLUES
ATLANTIC 8092
RAY CHARLES
Sings ▪ Hard Times ▪ Nobody Cares ▪ Ray's Blues
I Believe To My Soul ▪ The Midnight Hour ▪ Feelin' Sad
I'm Movin' On ▪ Mr. Charles' Blues ▪ The Right Time
Some Day Baby ▪ I Wonder Who ▪ Early In The Mornin'

AL GREEN-GREATEST HITS
LOOK WHAT YOU DONE FOR ME
CALL ME
LET'S STAY TOGETHER
HERE I AM
TIRED OF BEING ALONE
LET'S GET MARRIED
LOVE AND HAPPINESS
YOU OUGHT TO BE WITH ME
I'M STILL IN LOVE WITH YOU
I CAN'T GET NEXT TO YOU

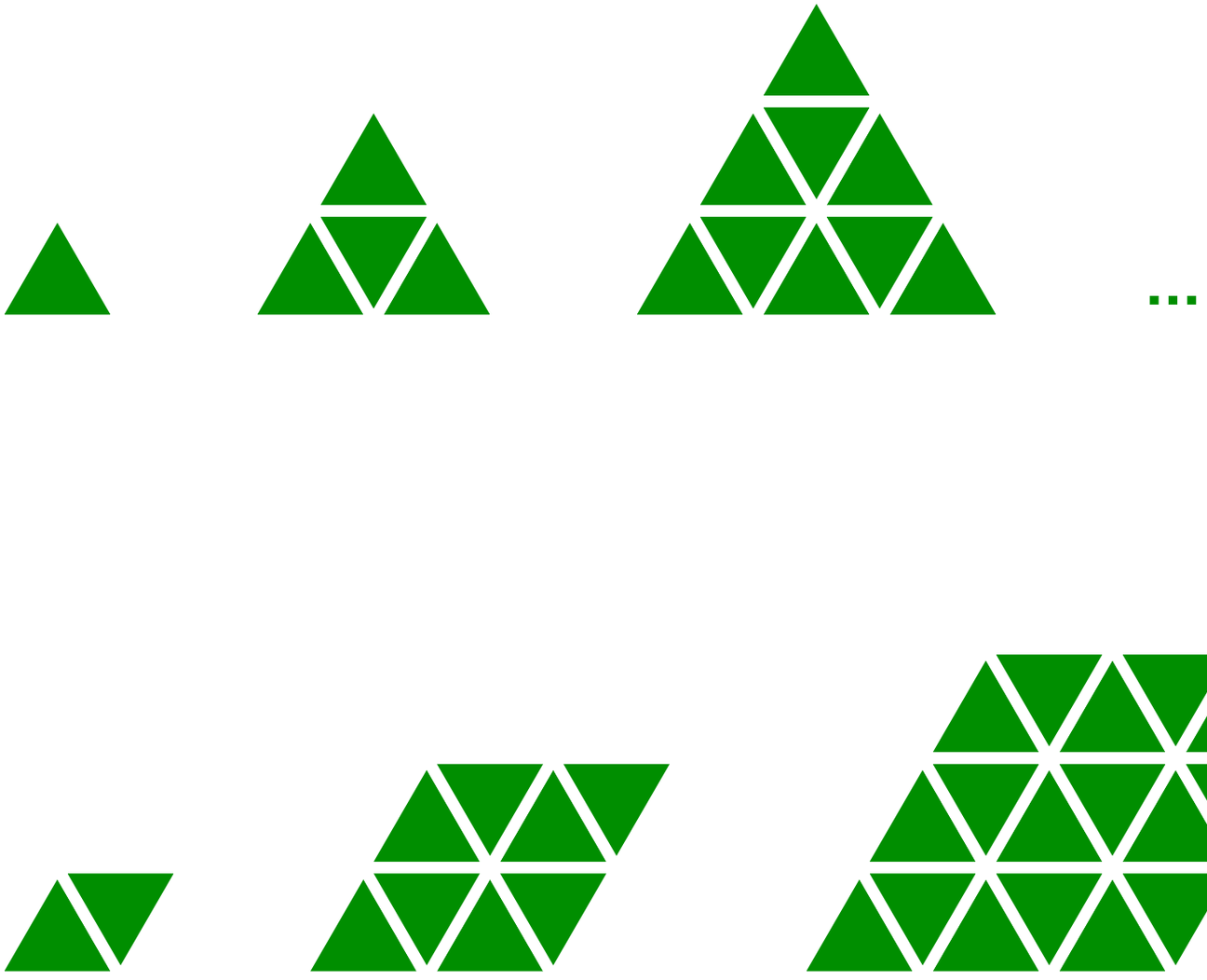

king
curtis
live
at
fillmore
west

Free Your Mind...
FUNKADELIC
SLY & THE FAMILY STONE GREATEST HITS
STEVIE WONDER INNERVISIONS

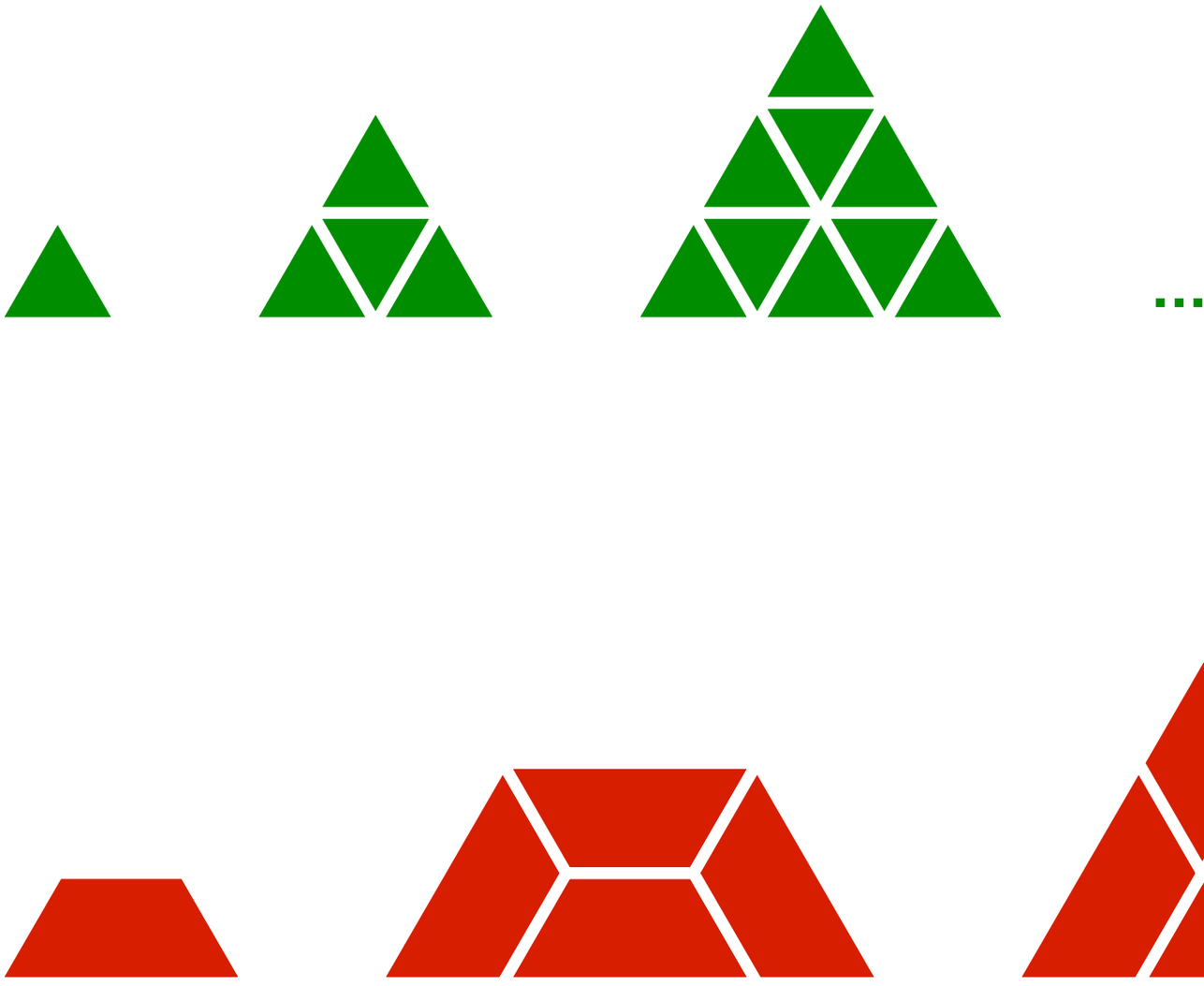
What is the same? What's different?



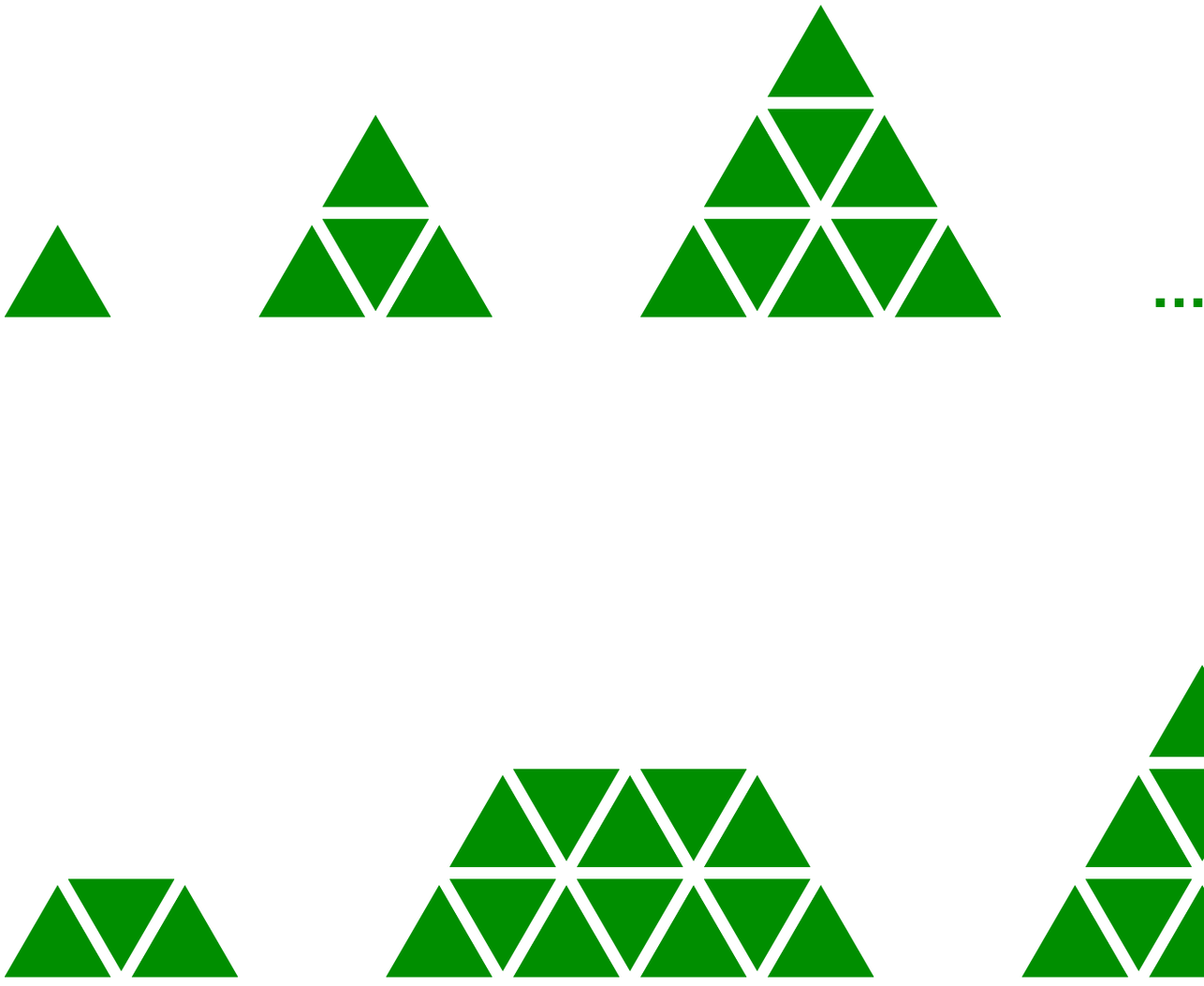
What is the same? What's different?



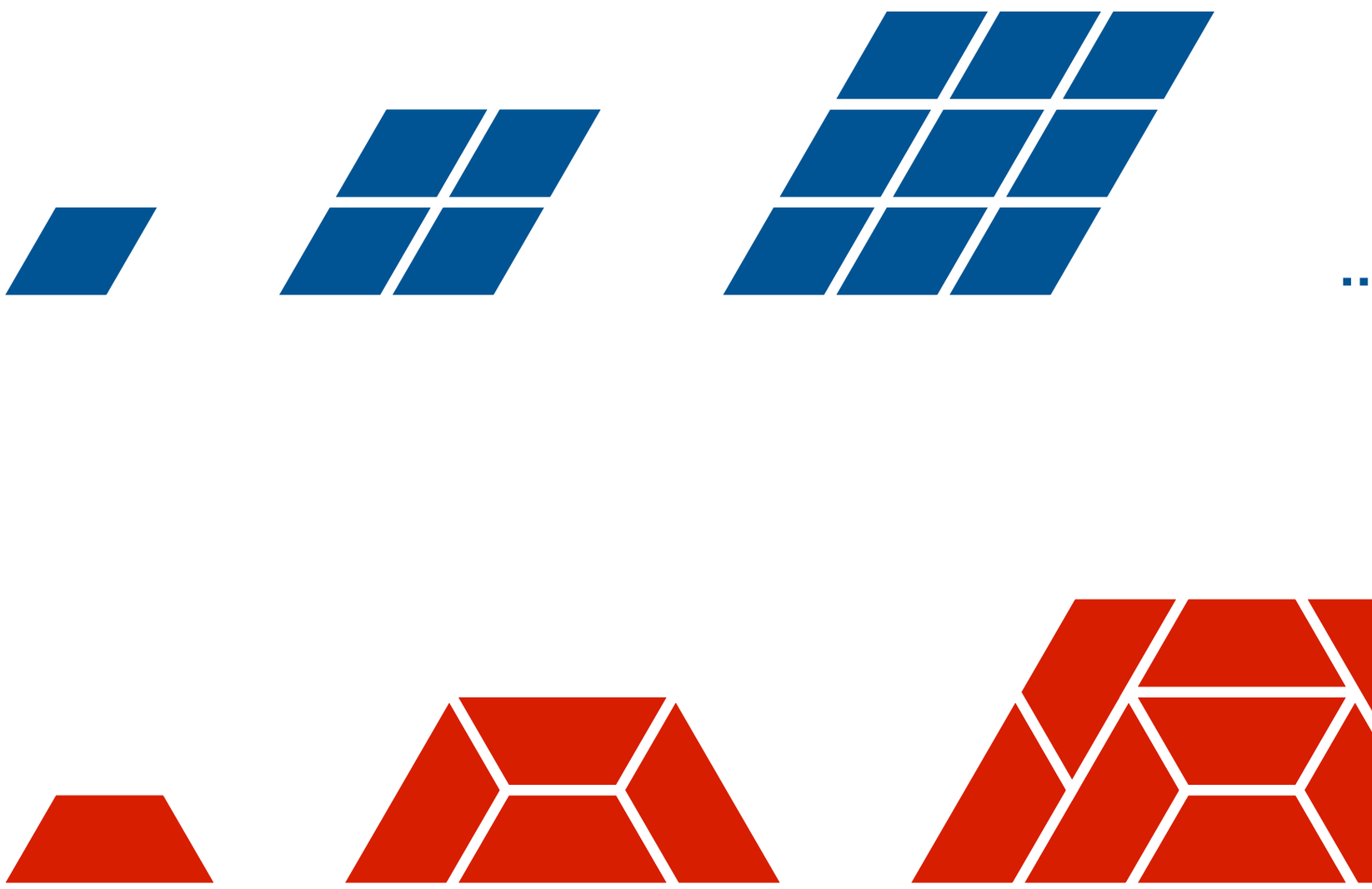
What is the same? What's different?



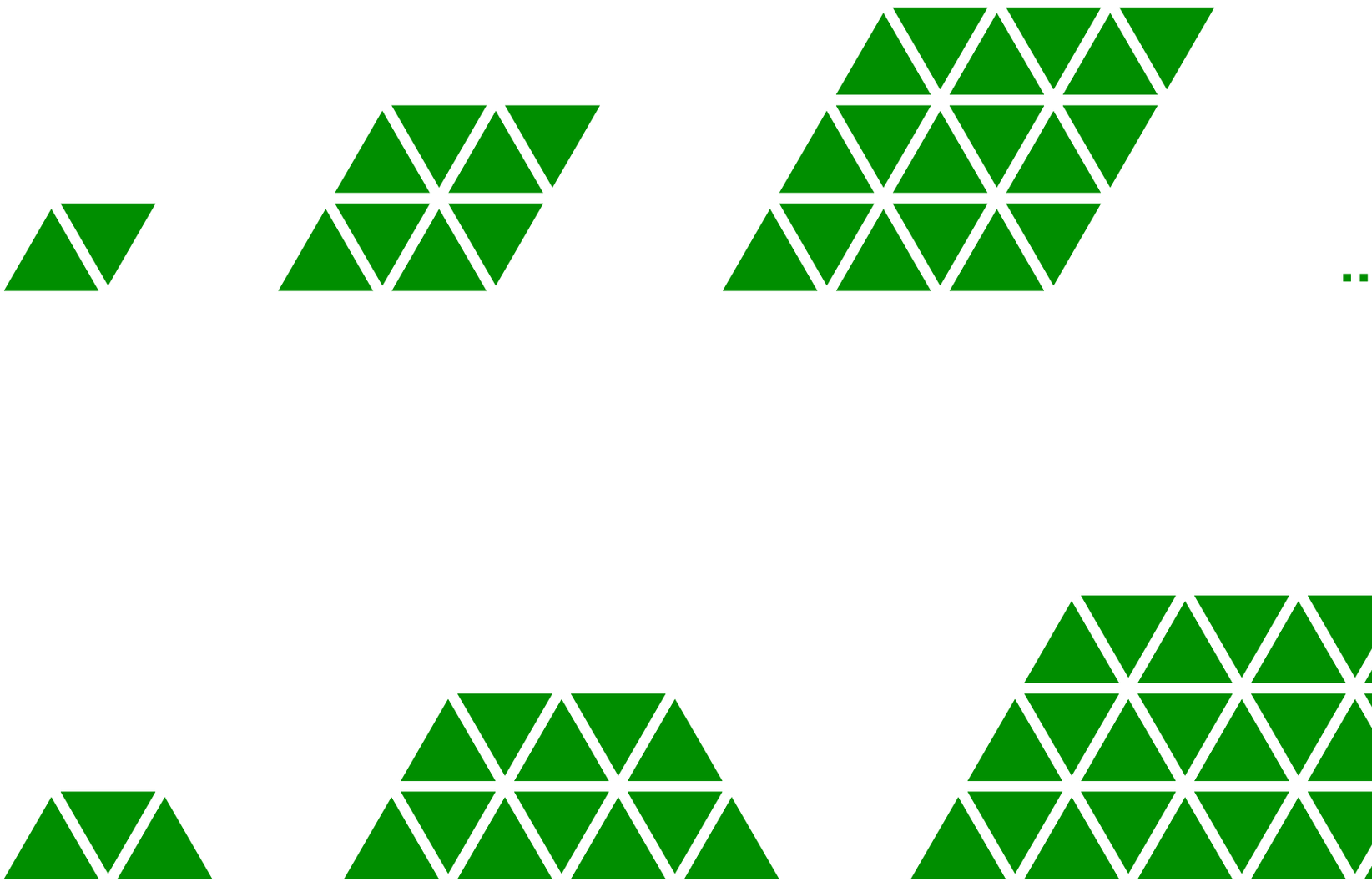
What is the same? What's different?



What is the same? What's different?



What is the same? What's different?



x	y
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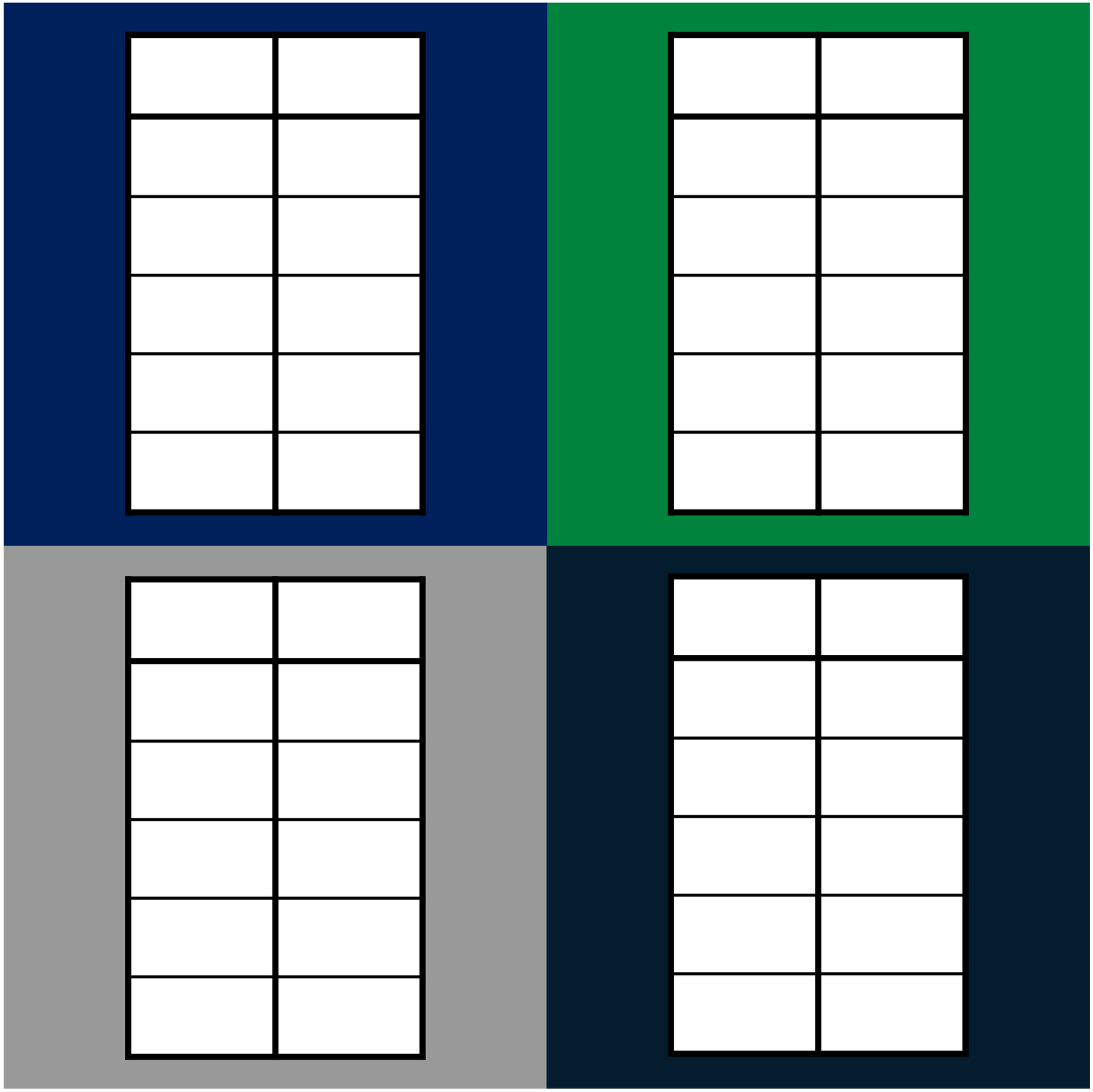
-2	-1
0	0
2	1
4	2

x	y
-2	4
-1	1
0	0
1	1
2	4

x	y
-1	0
0	1
0	-1
1	2
1	-2

x	y
-2	4
-1	2
0	0
1	-2
2	-4



DEMKO
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HORVAT
53

HUGHES
43

PETTERSSON
40

12

16

10

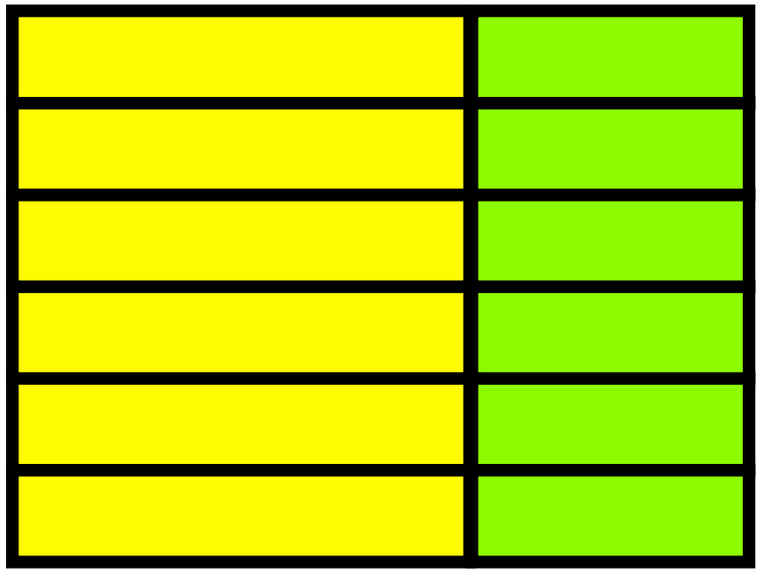
19

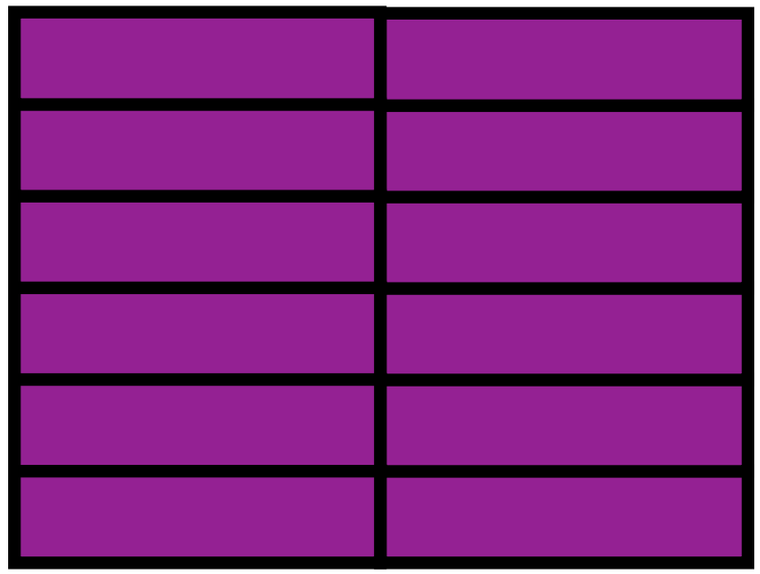
33

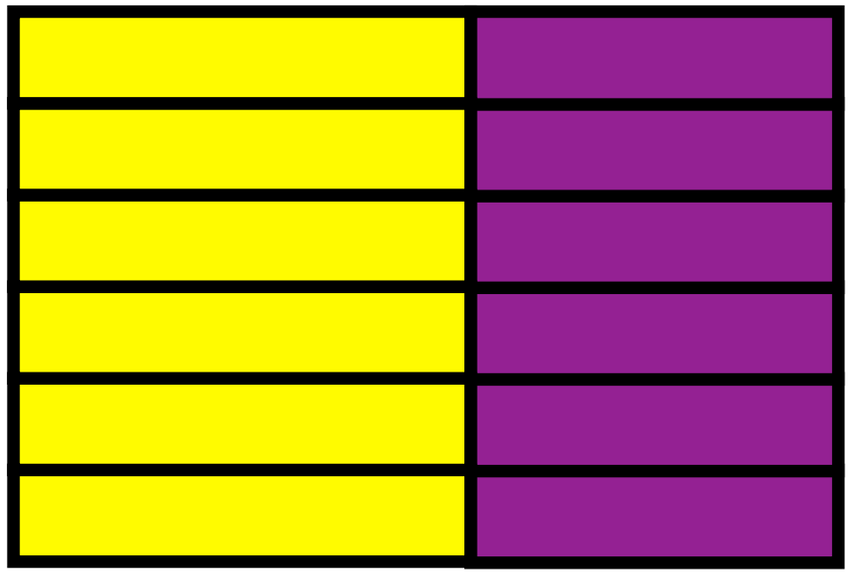
16

22

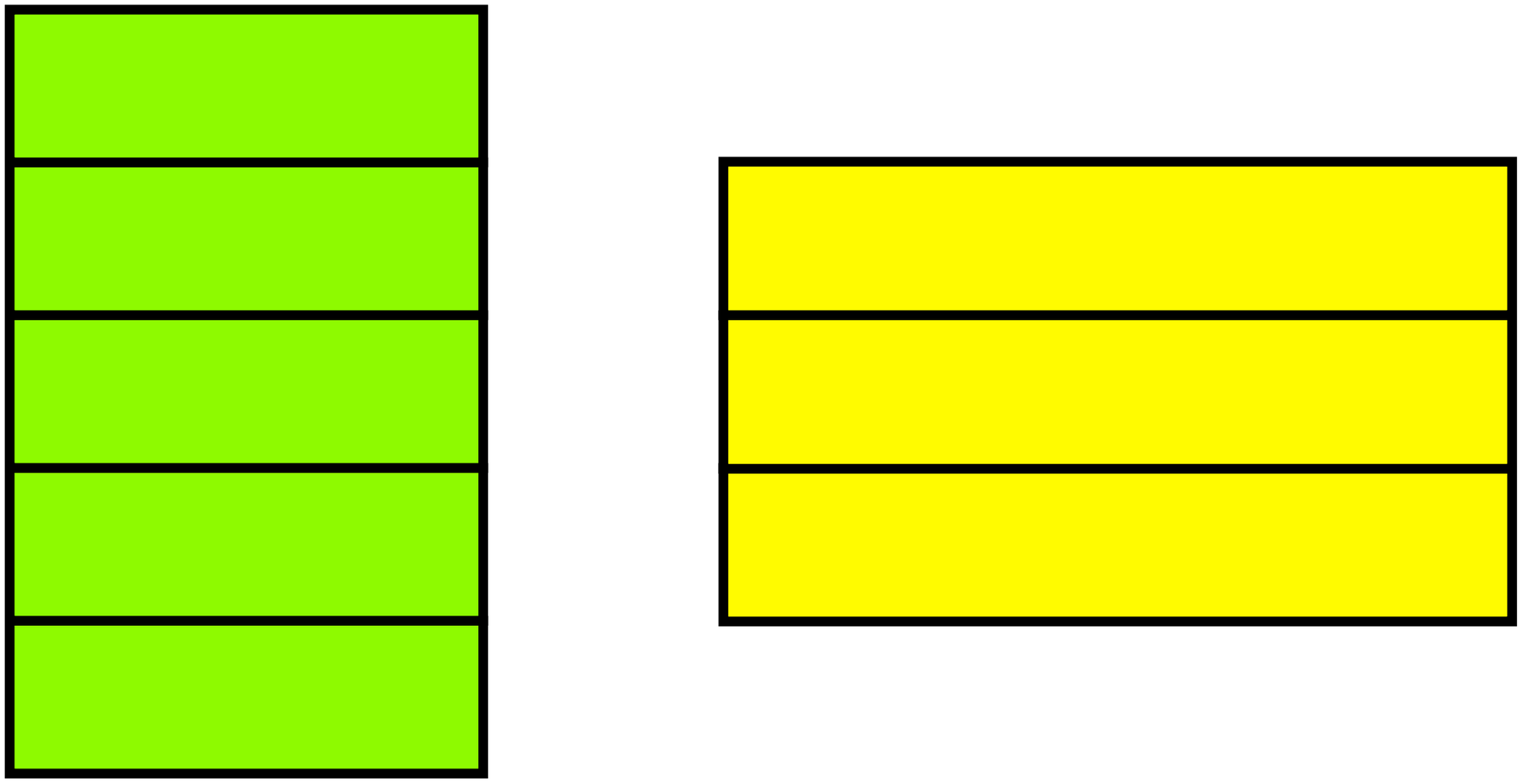
19







What is the same? What's different?



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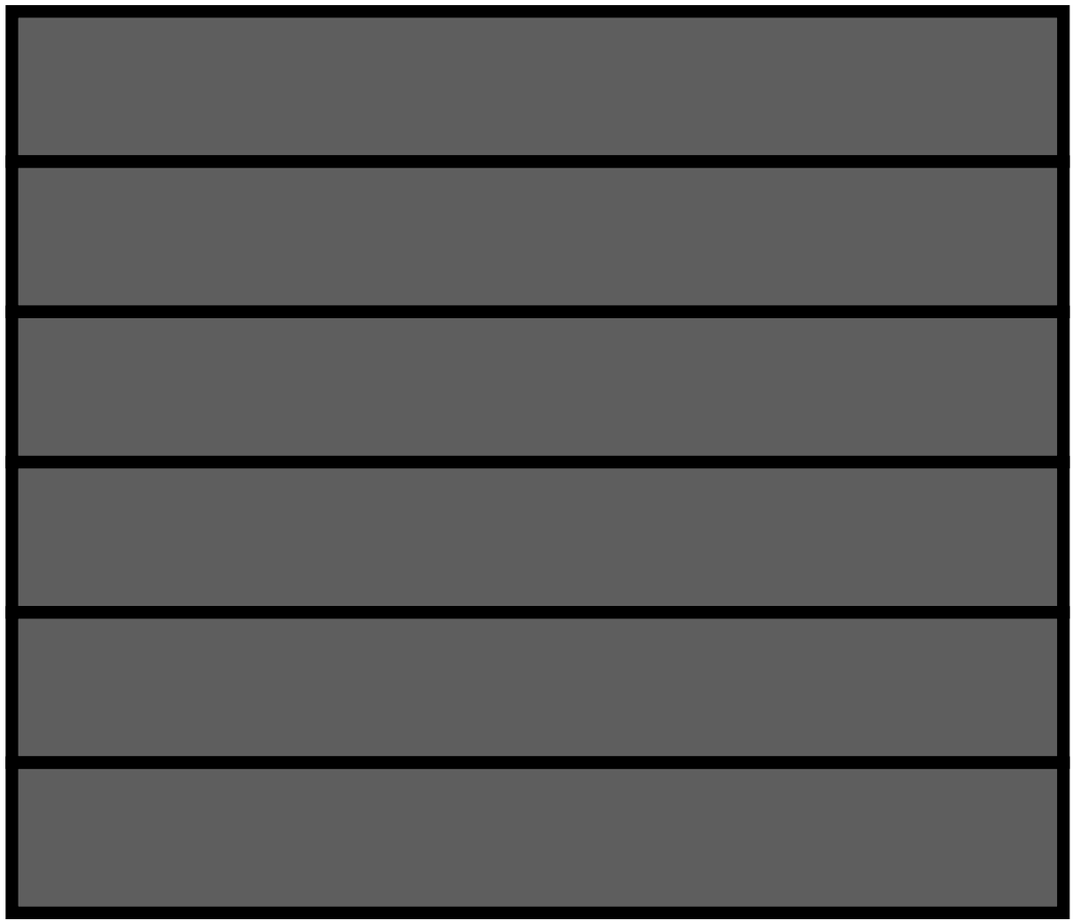

What is the same? What's different?

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7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

×	1	2	3	4	5	6	7	8	9	10
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9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

What is the same? What's different?

×	1	2	3	4	5	6	7	8	9	10
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10	10	20	30	40	50	60	70	80	90	100

×	1	2	3	4	5	6	7	8	9	10
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2	2	4	6	8	10	12	14	16	18	20
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9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

What is the same? What's different?

×	1	2	3	4	5	6	7	8	9	10
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×	1	2	3	4	5	6	7	8	9	10
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9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

What is the same? What's different?

×	1	2	3	4	5	6	7	8	9	10
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×	1	2	3	4	5	6	7	8	9	10
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2	2	4	6	8	10	12	14	16	18	20
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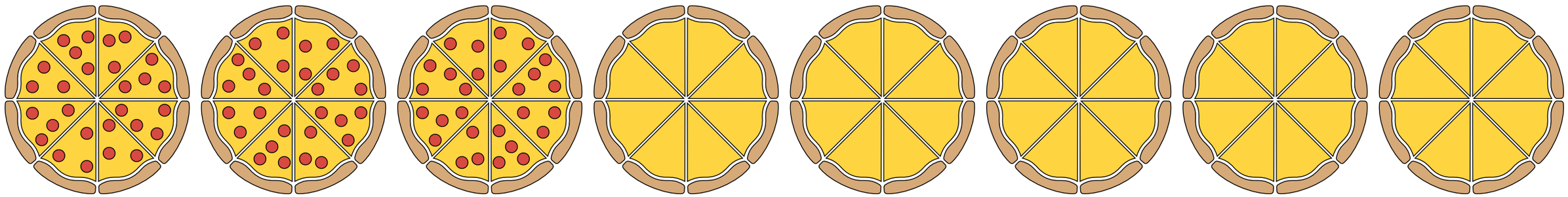
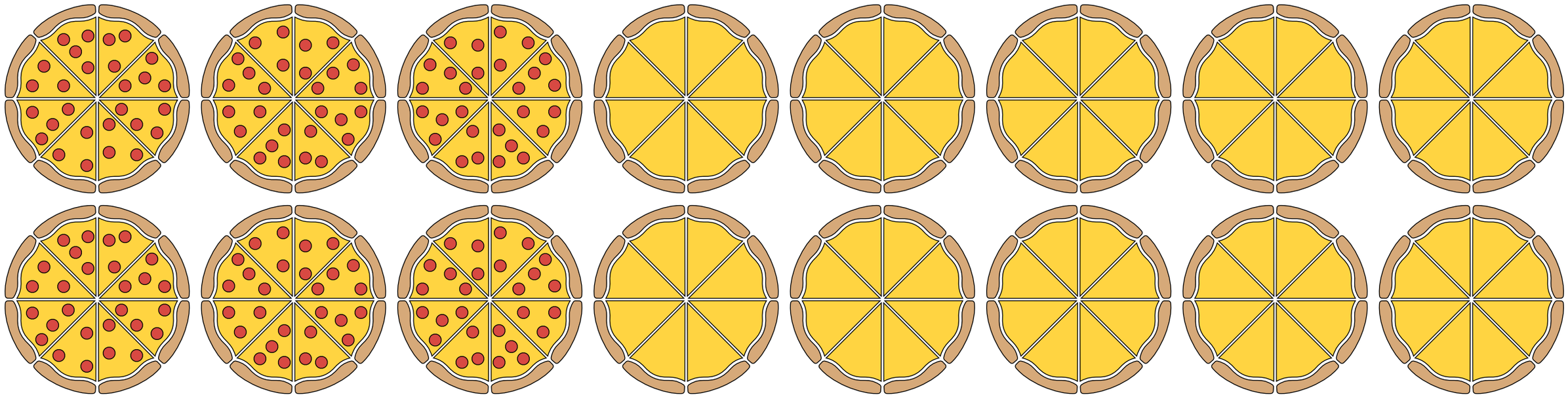
What is the same? What's different?





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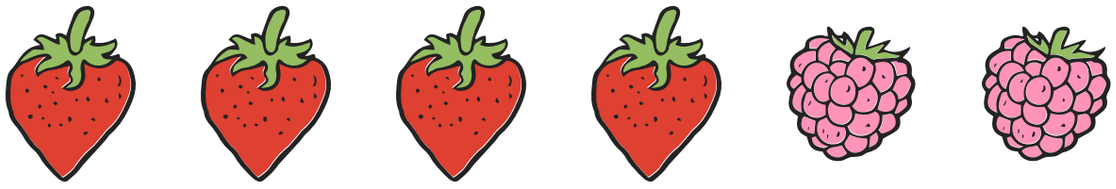

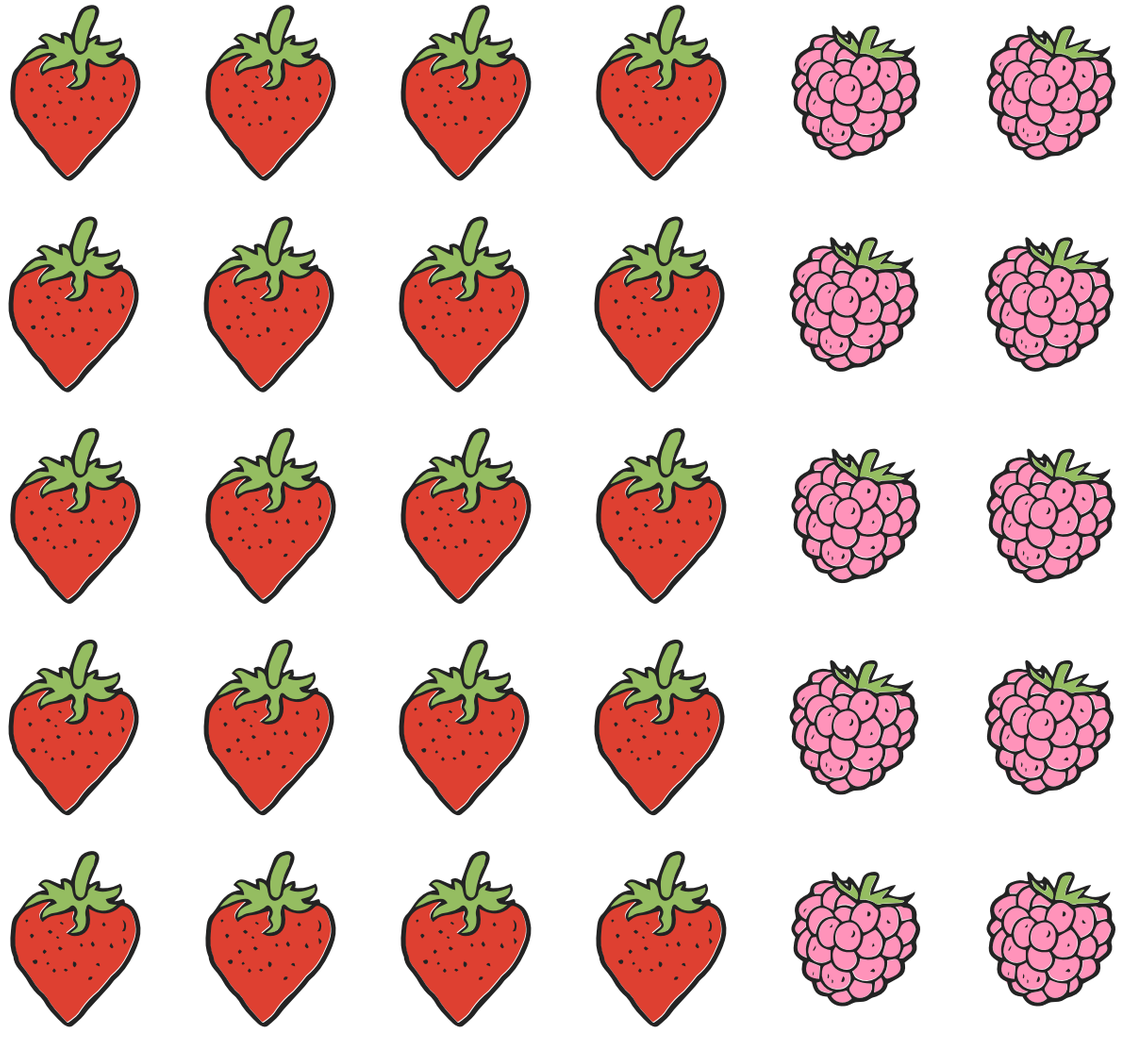

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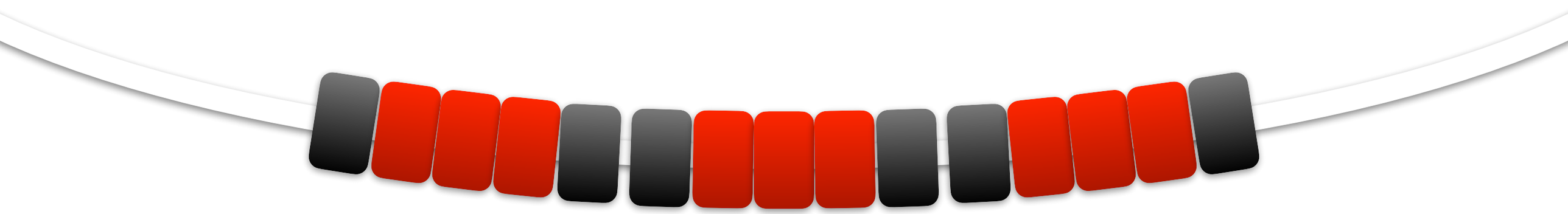

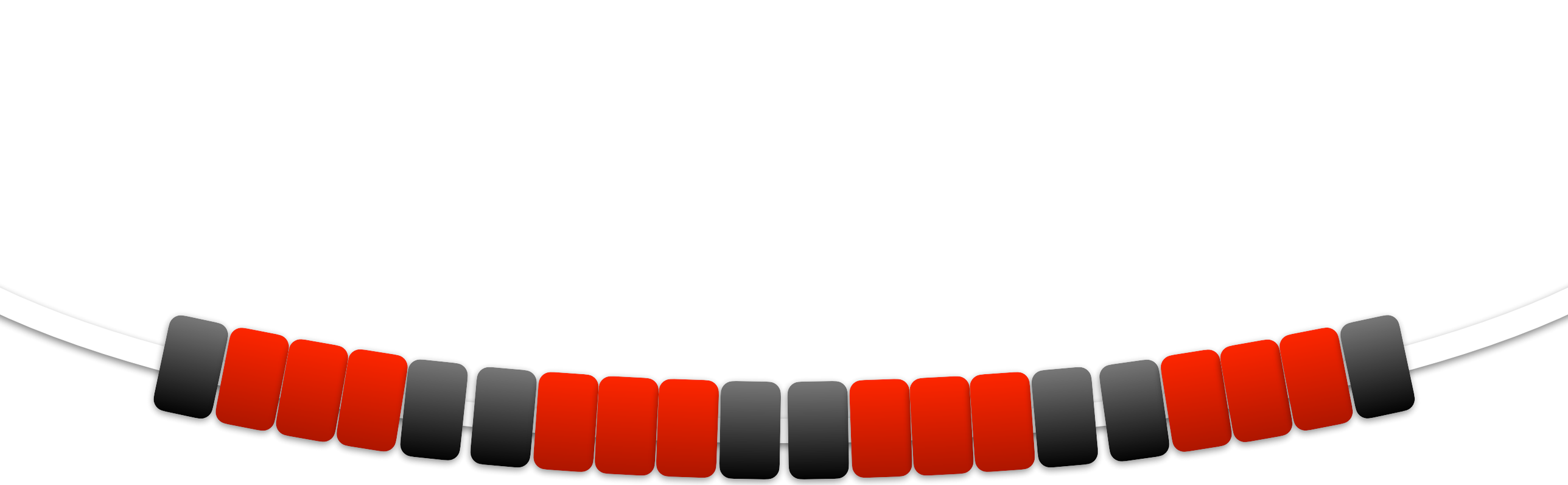

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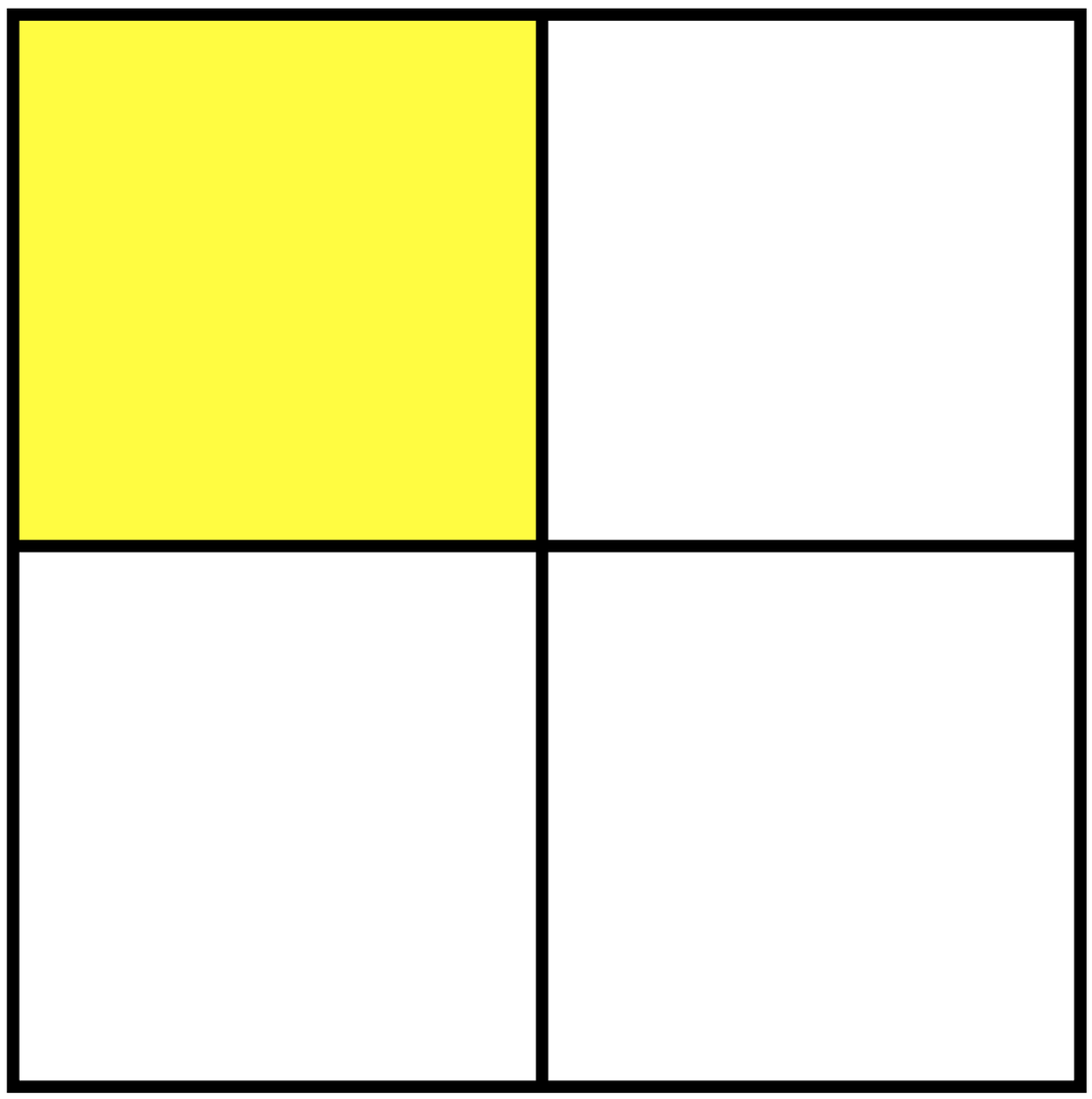

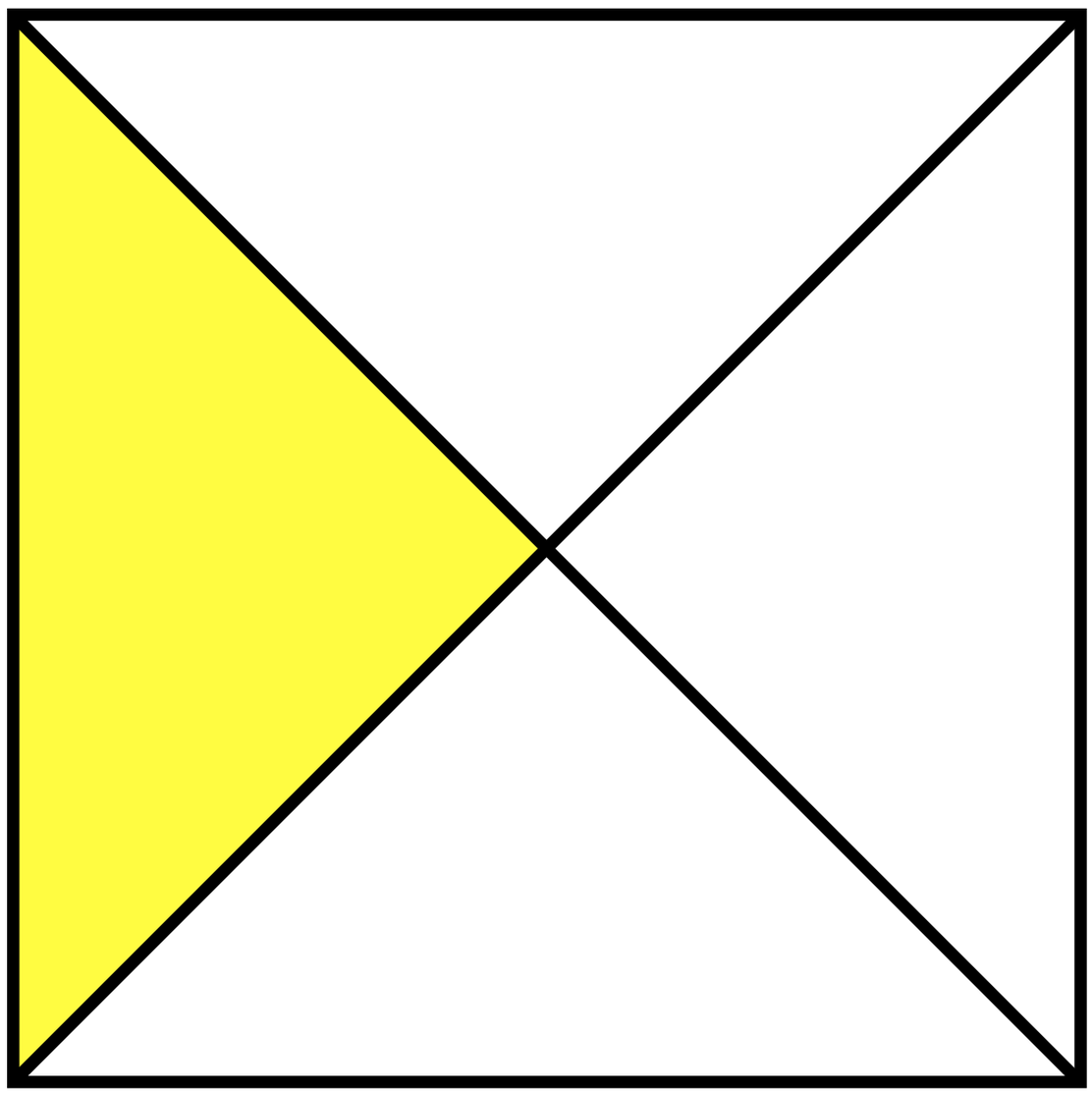

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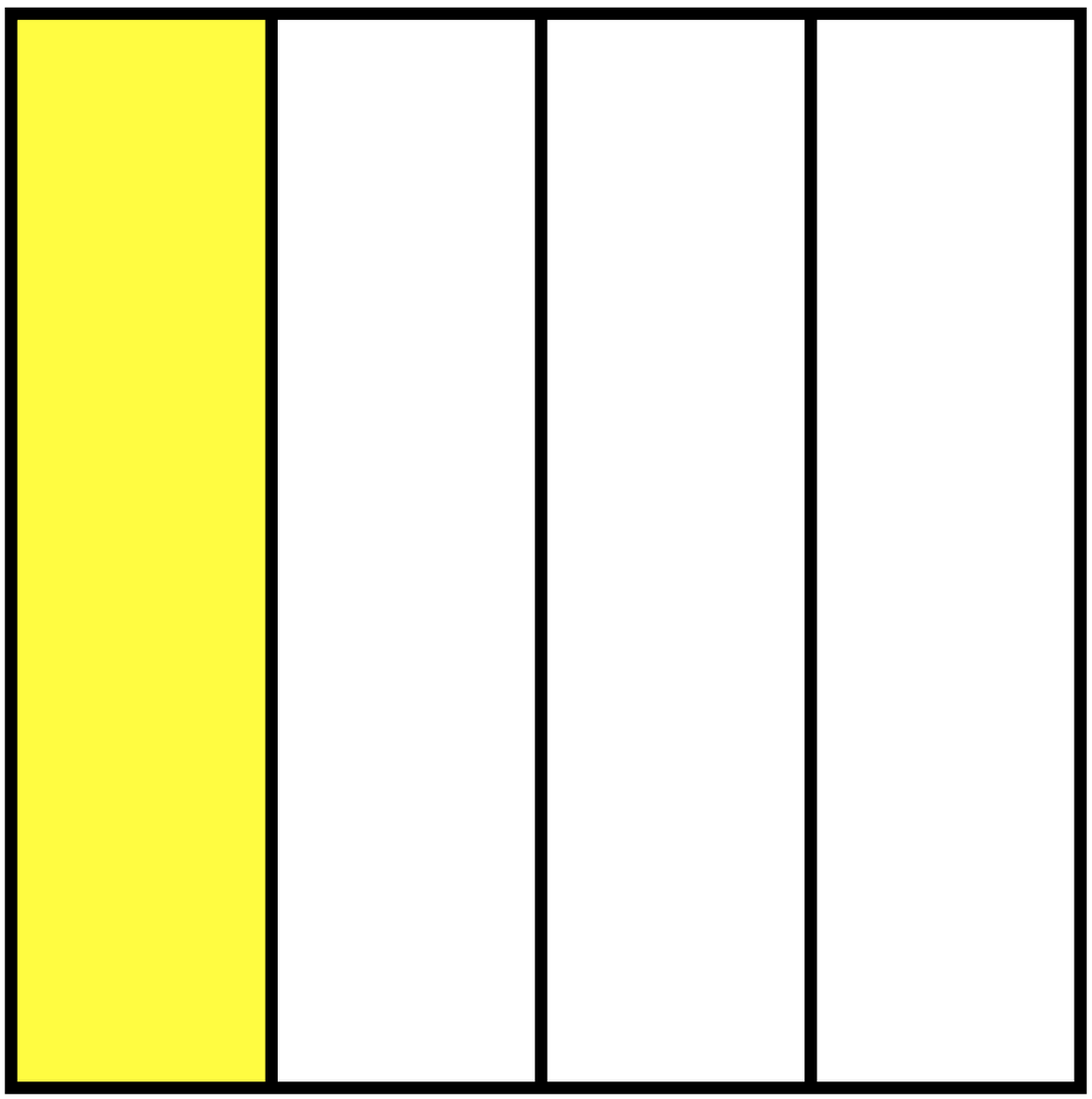
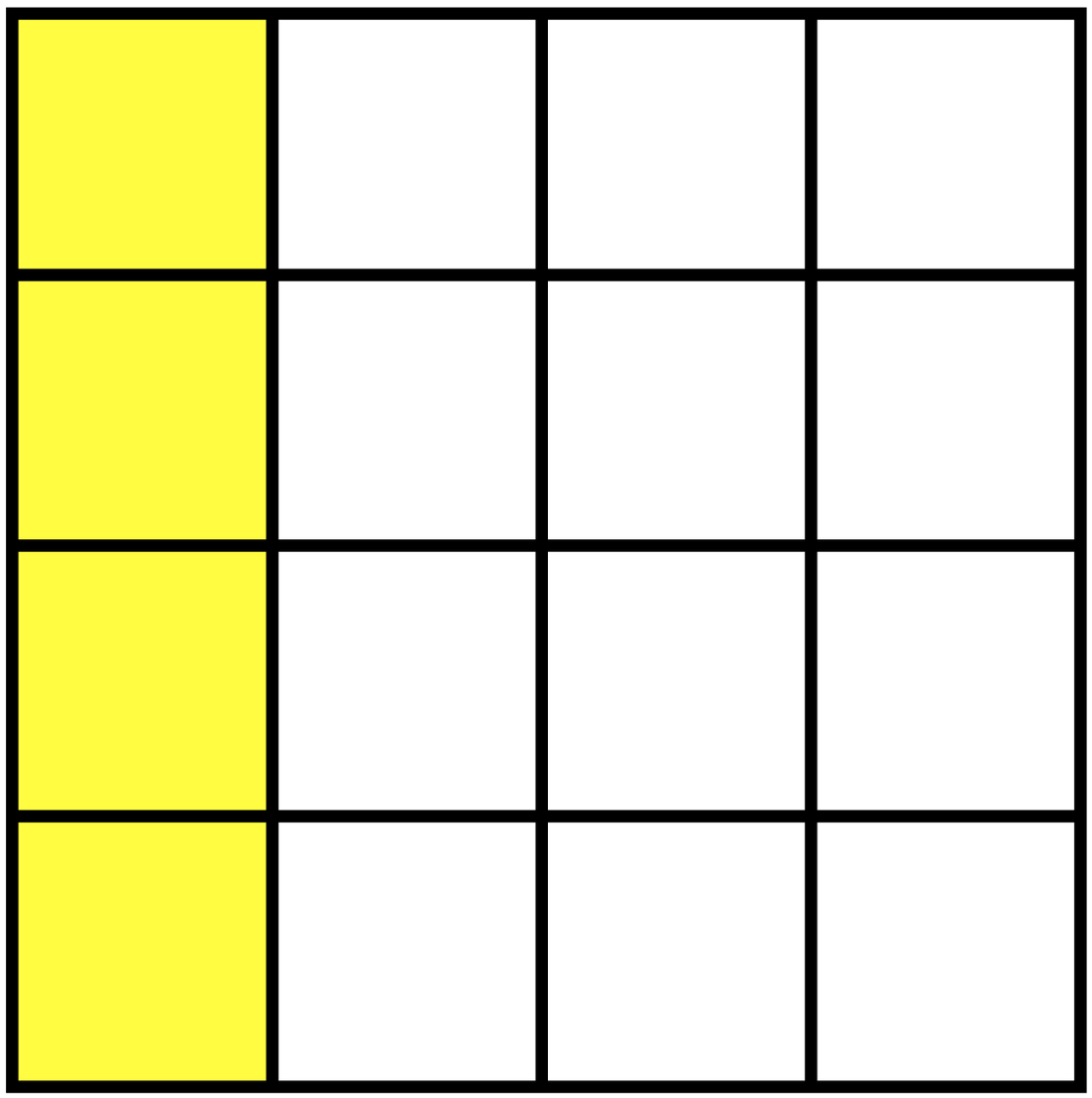
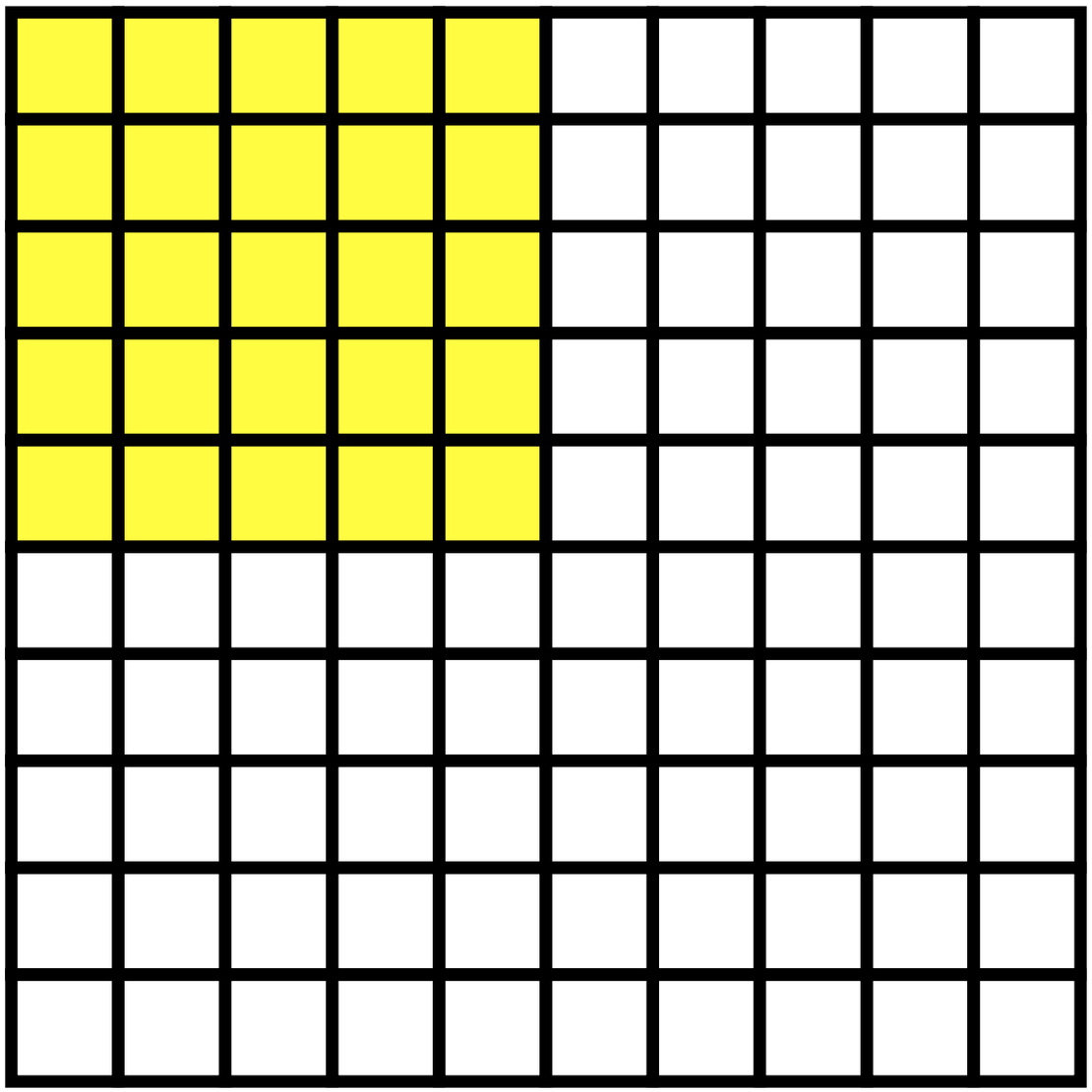
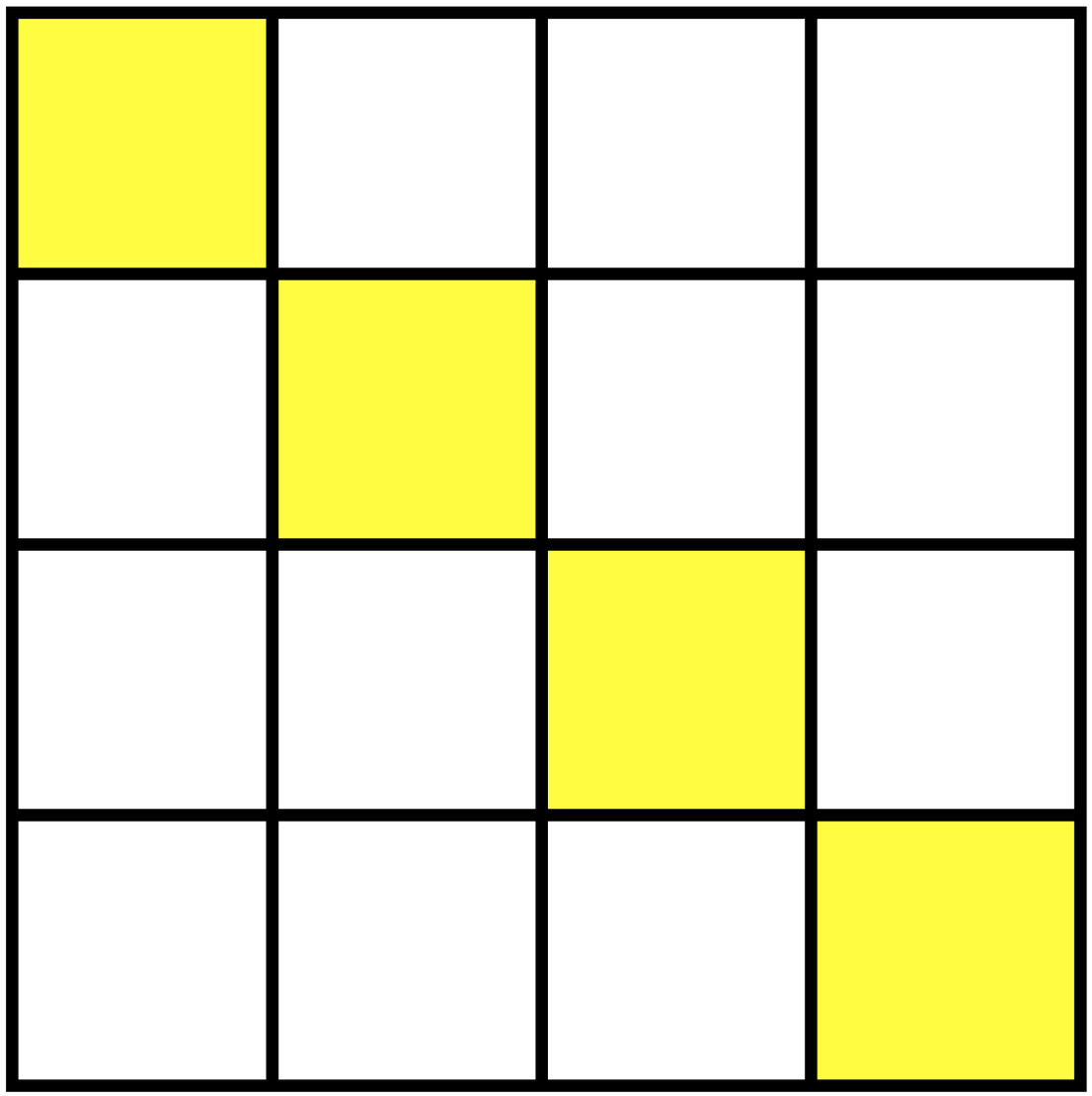




What is the same? What's different?

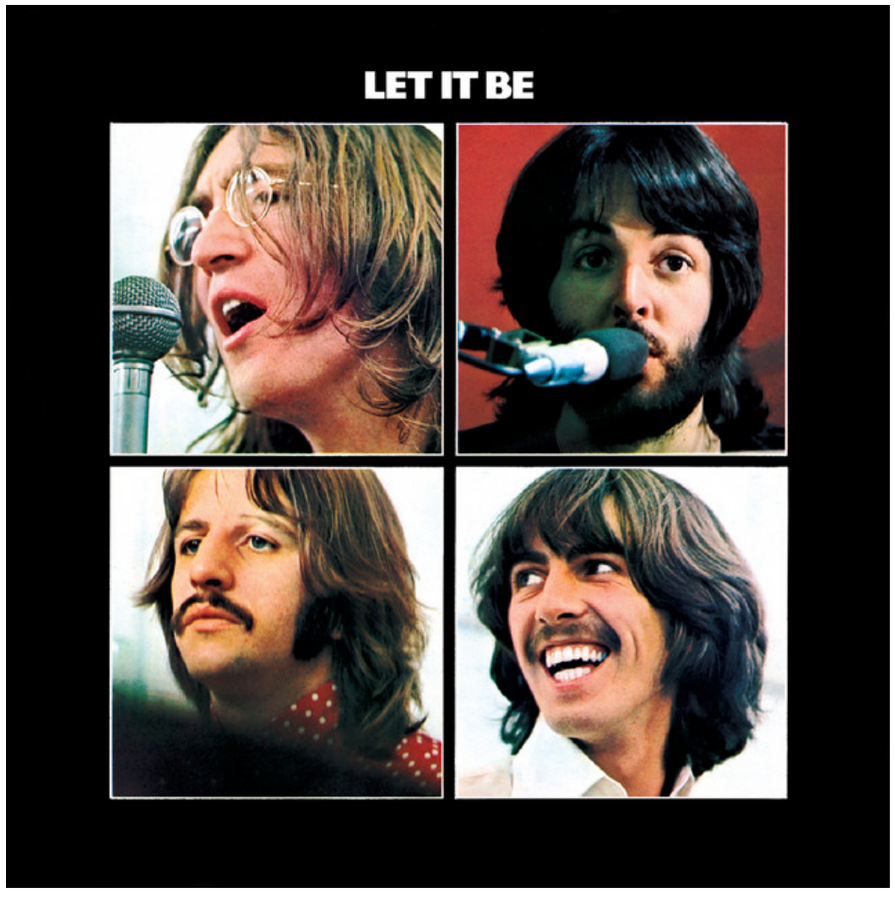




What is the same? What's different?

$$x^2 + 7x + 12$$

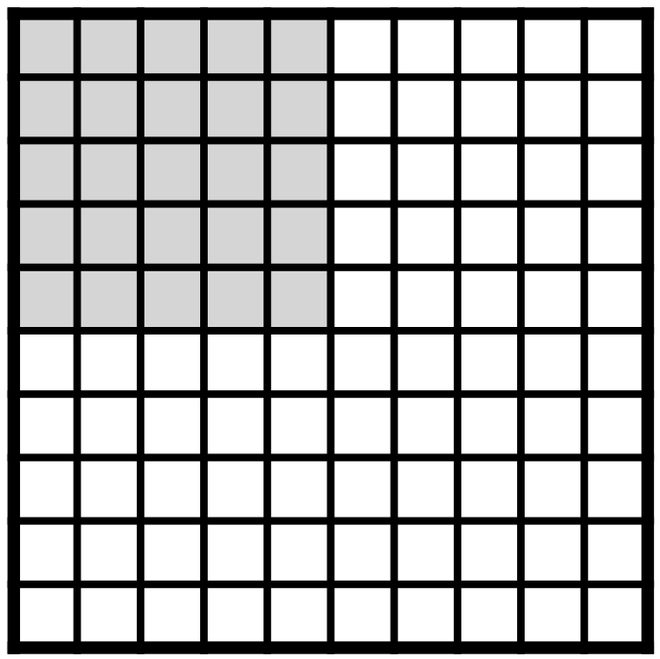
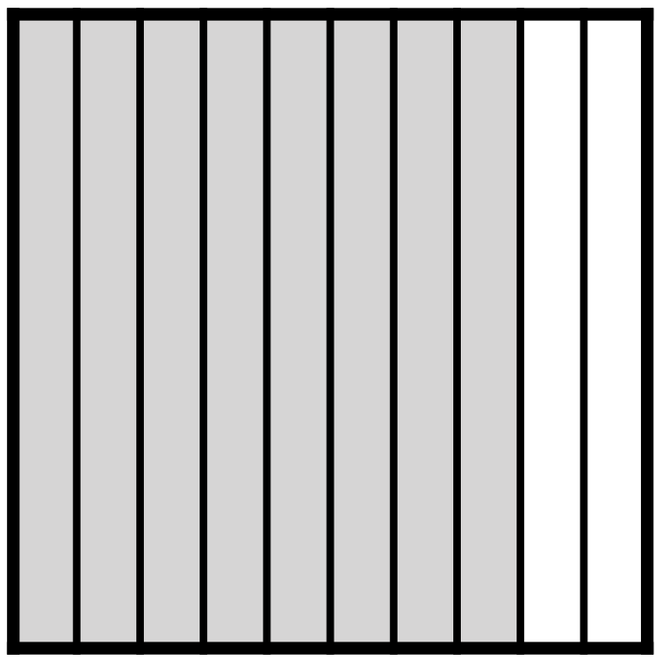
$$(x + 3)(x + 4)$$


LET IT BE

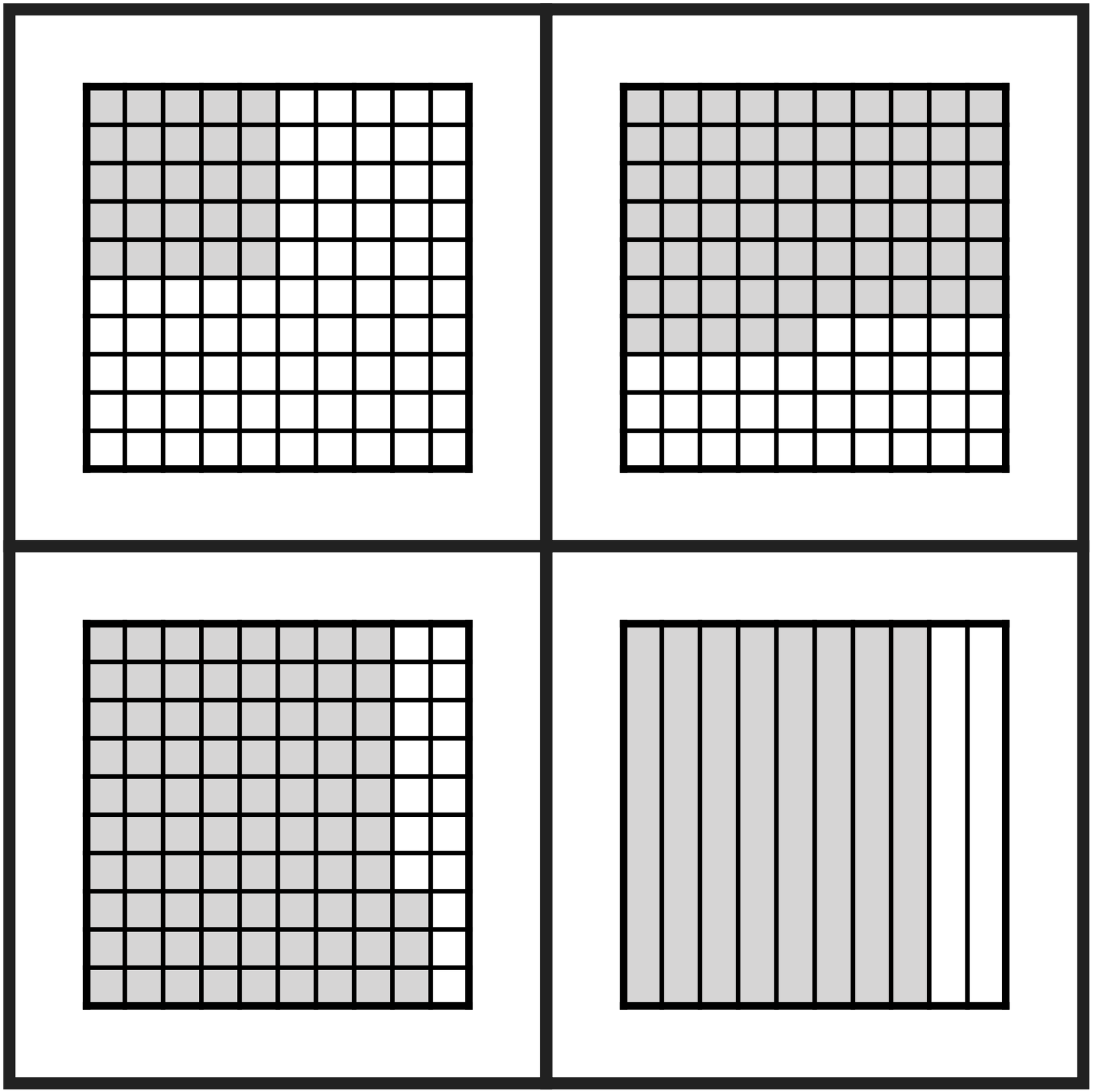
blur

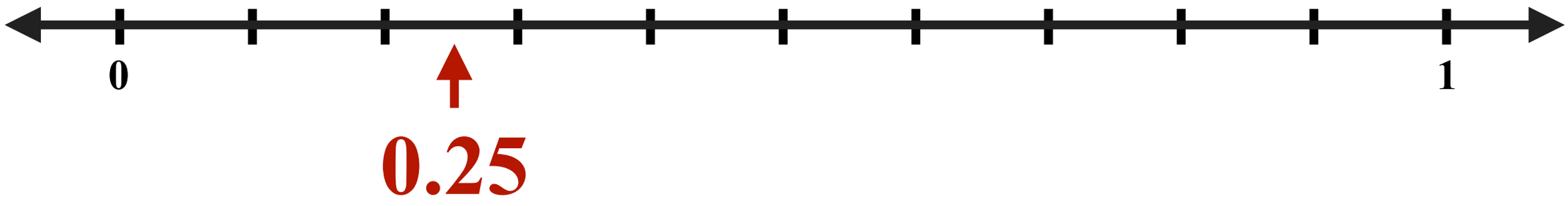
QUEEN
Hot Space

TALKINGHEADS
REMAIN IN LIGHT

	$\frac{65}{100}$
0.83	

$1:4$	$65\,\%$
0.83	$\frac{8}{10}$

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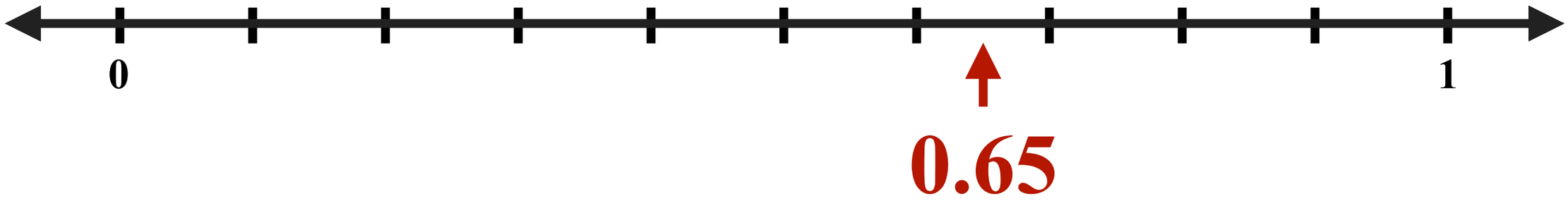
0.25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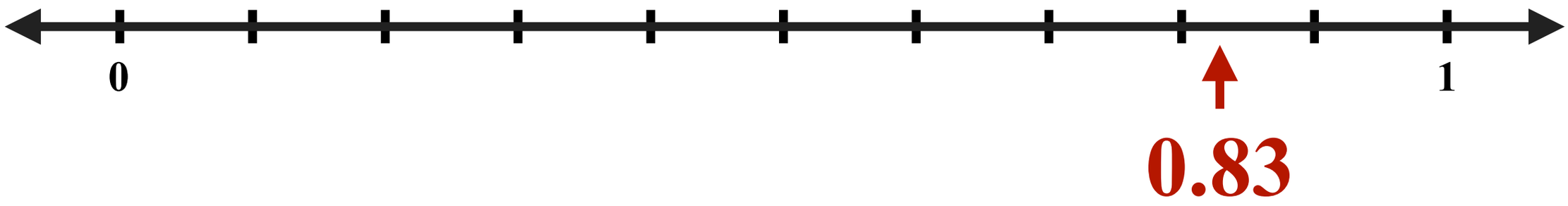
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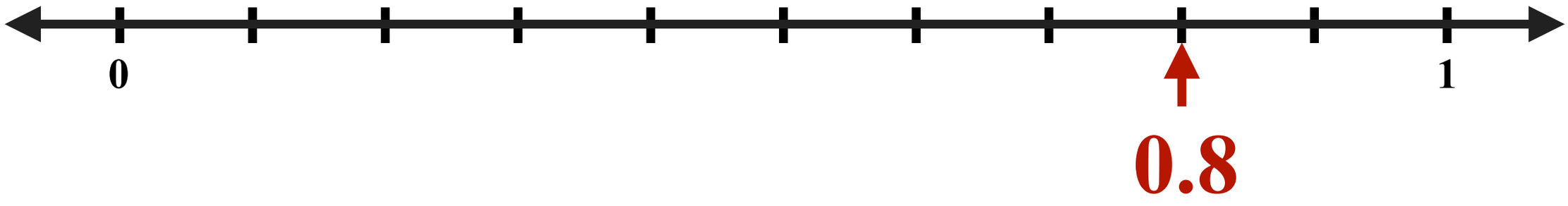

0
1
0.8

What is the same? What's different?

$$3.6 + 2.5$$

$$3\frac{3}{5} + 2\frac{1}{2}$$

What is the same? What's different?

$$3.6 + 2.5$$

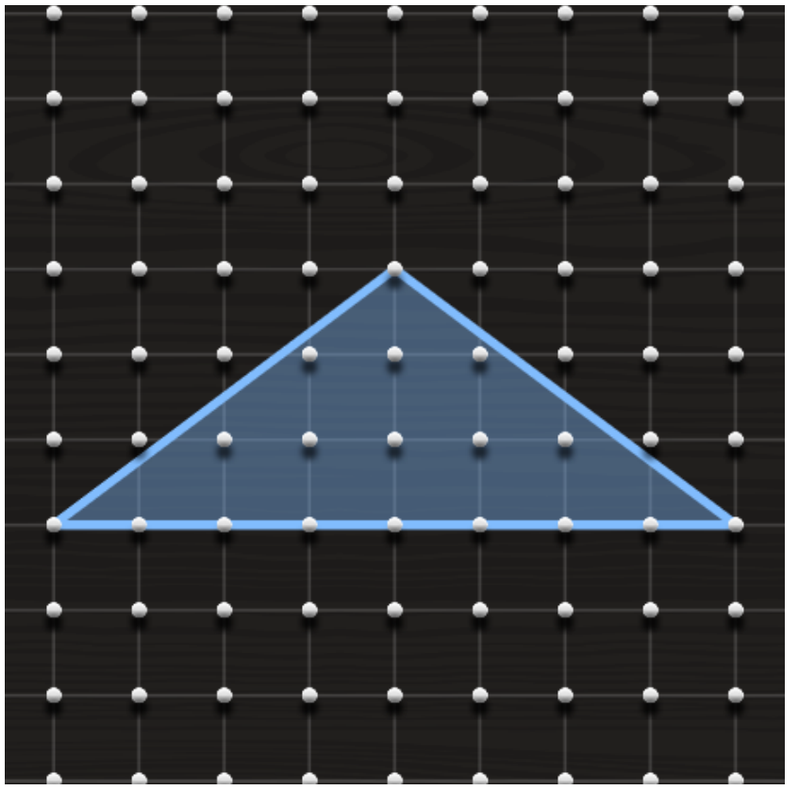
$$\frac{36}{7} + \frac{25}{7}$$

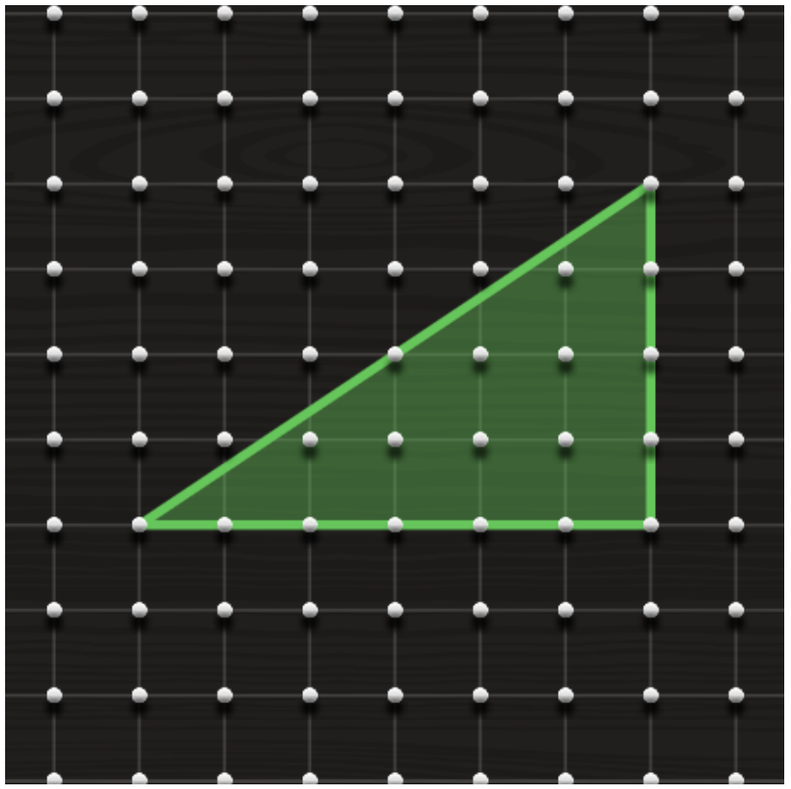
Which two are most alike?

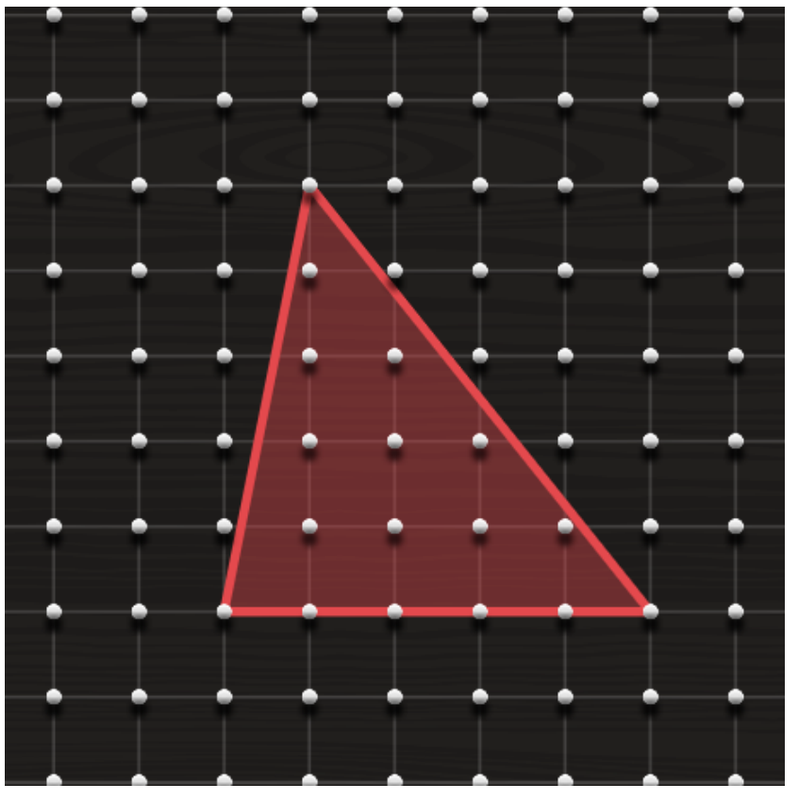
$$3.6 + 2.5$$

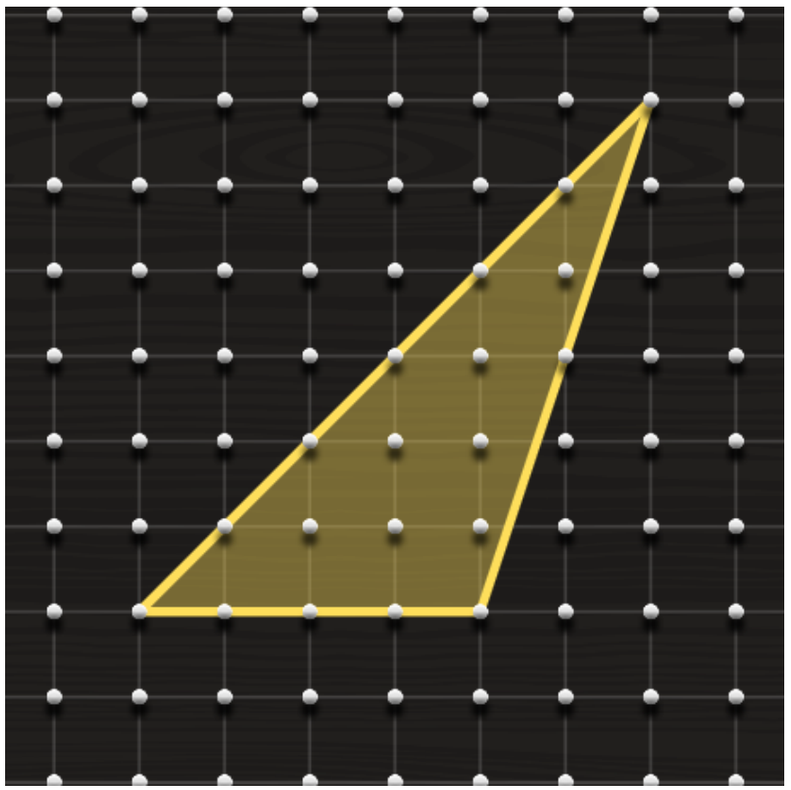
$$3\frac{1}{5} + 2\frac{1}{2}$$

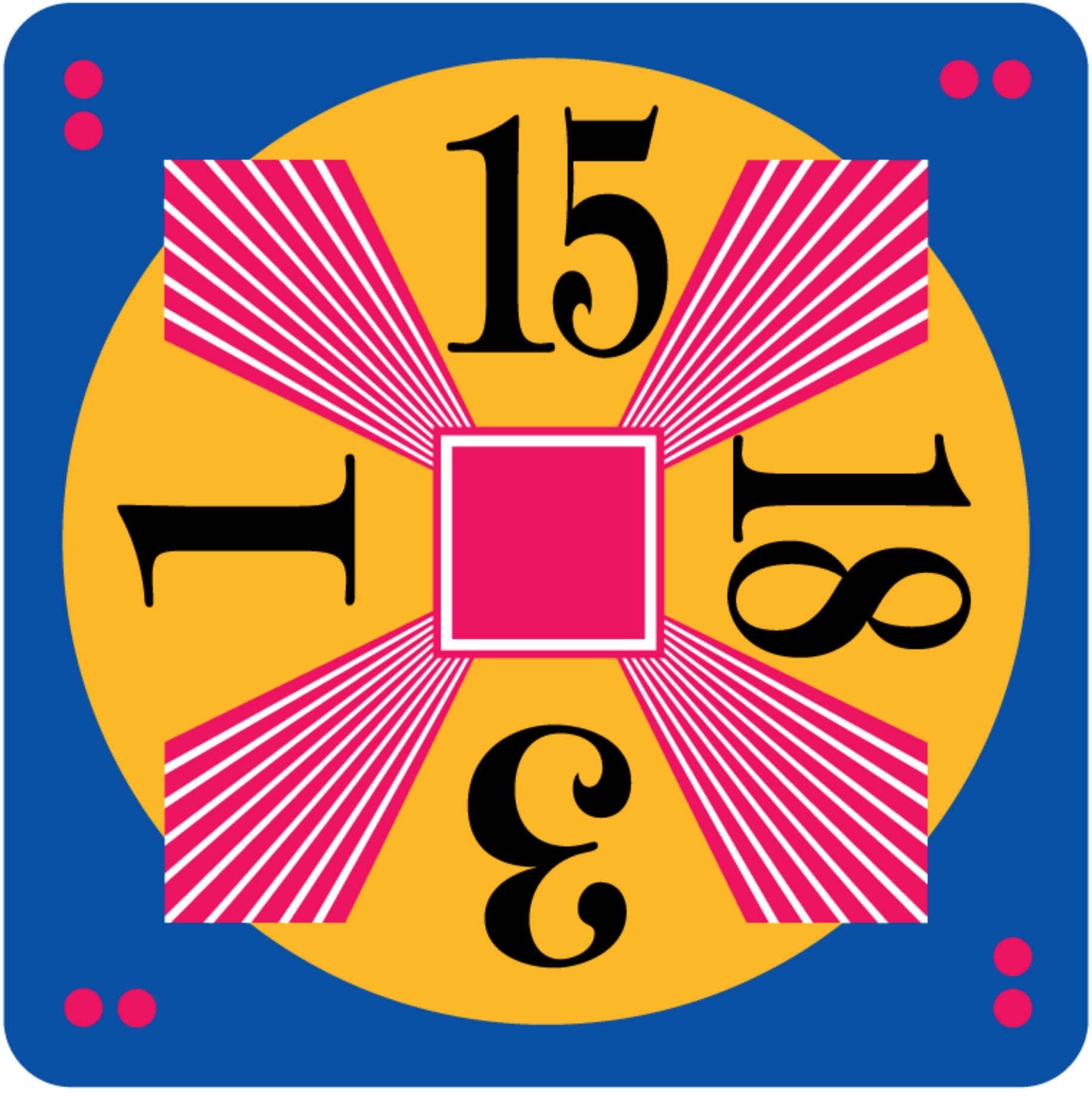
$$\frac{36}{7} + \frac{25}{7}$$










15
16
3

1

12

7

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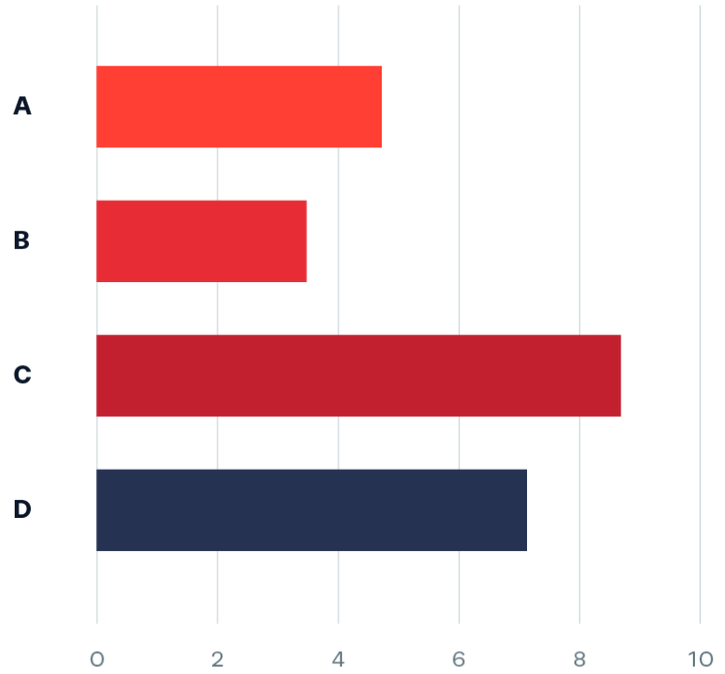
4

24

60

A
B
C


A
B
C
D
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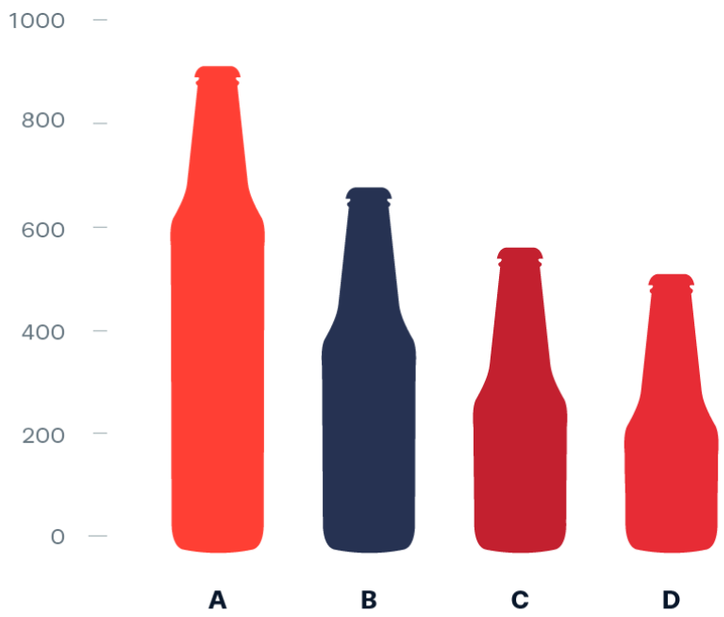
4
6
8
10


1000
800
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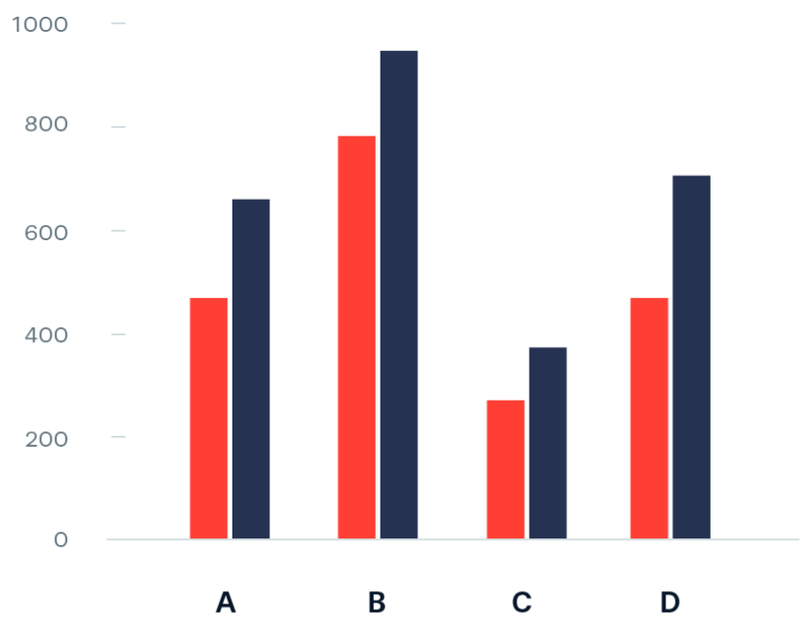
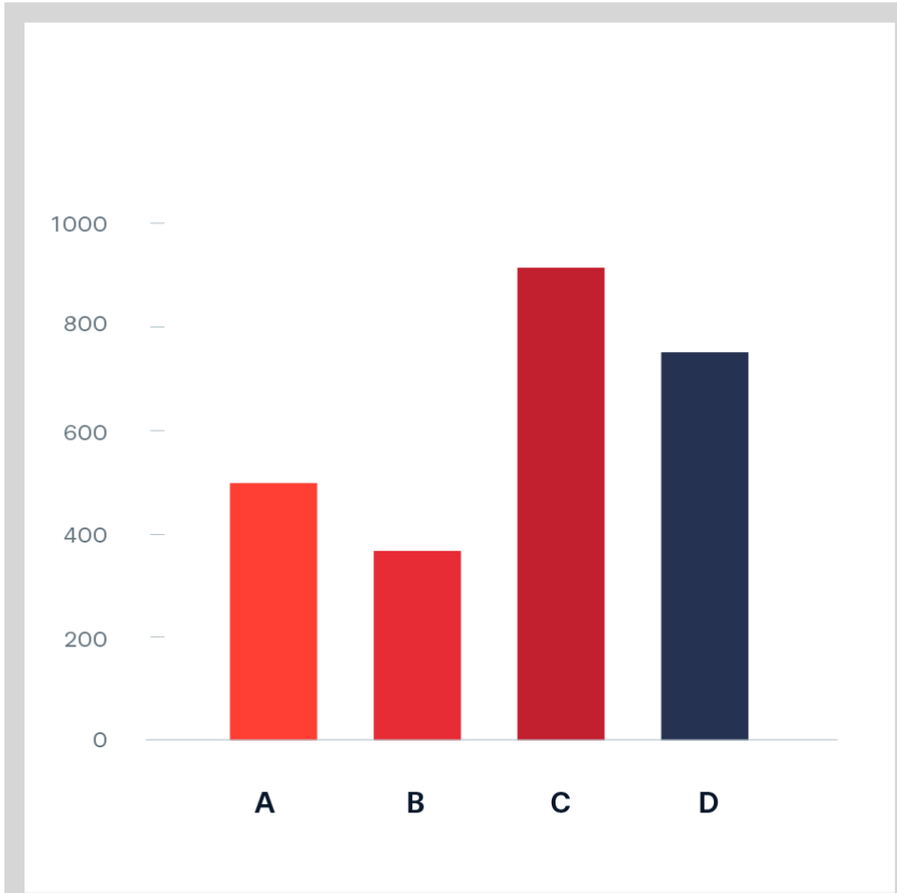
200
0
A
B
C
D


1000
800
600
400
200
0
A
B
C
D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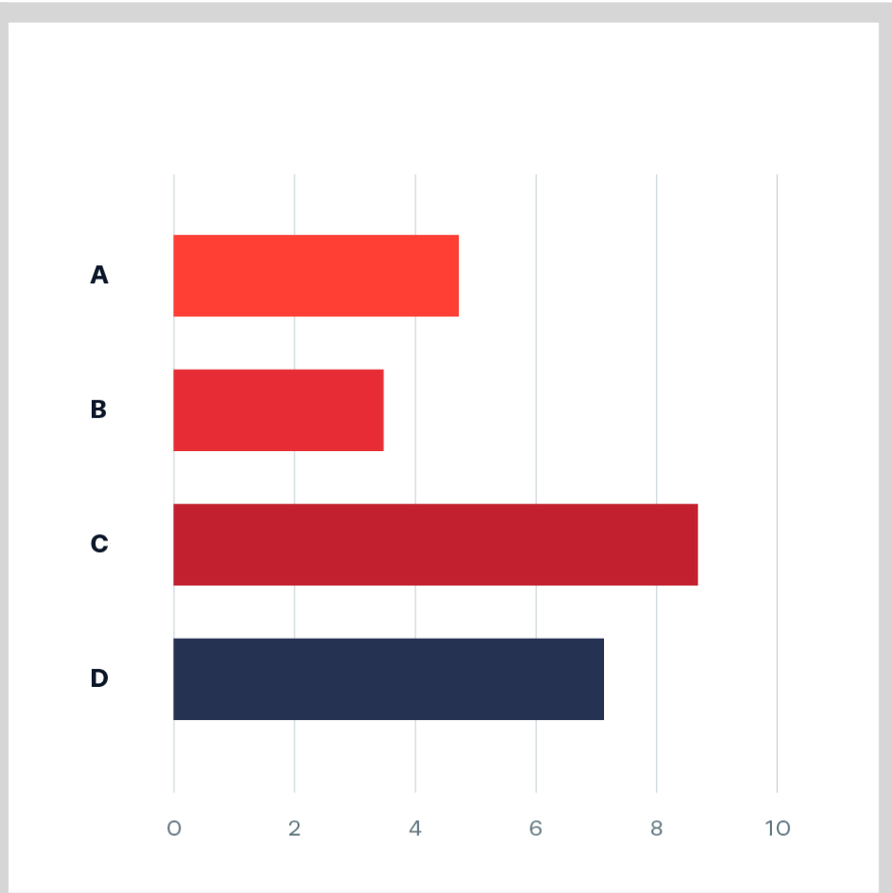
C
D


A
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D
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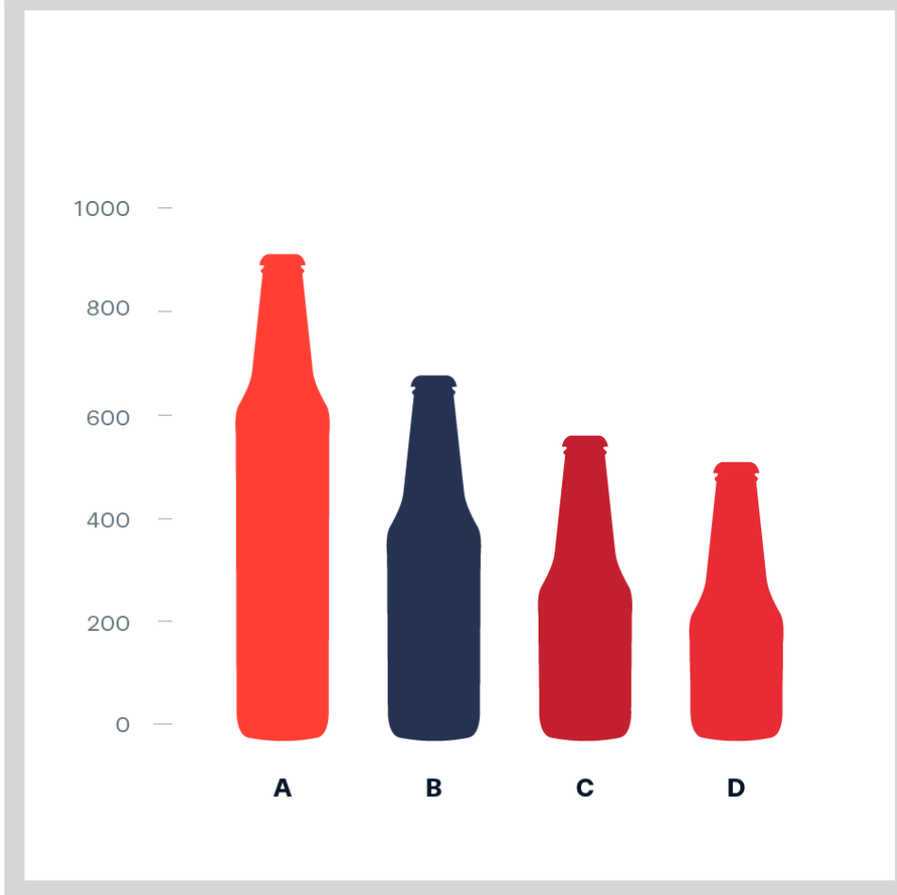
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A
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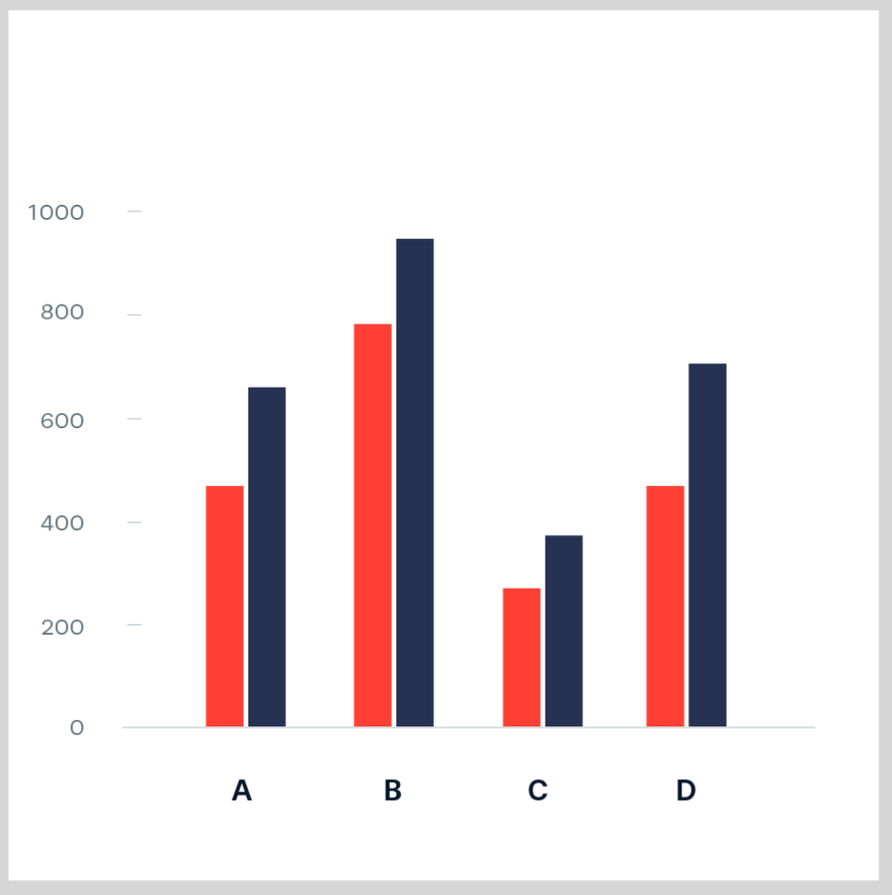
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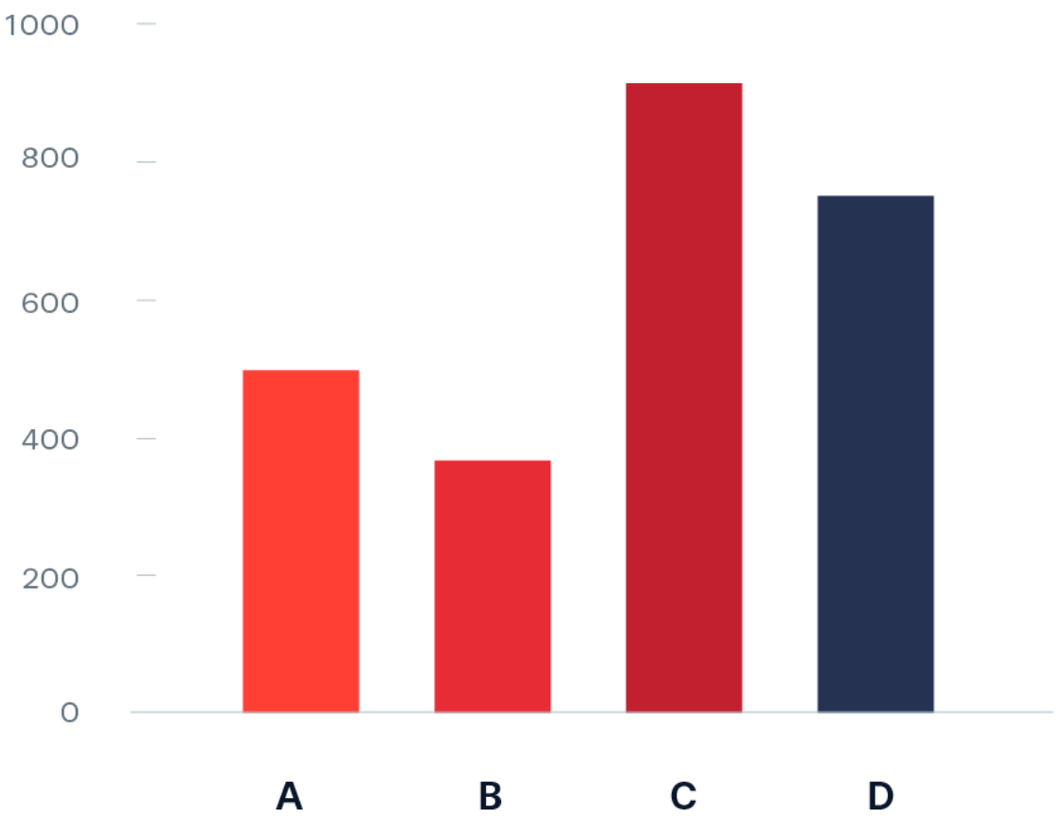
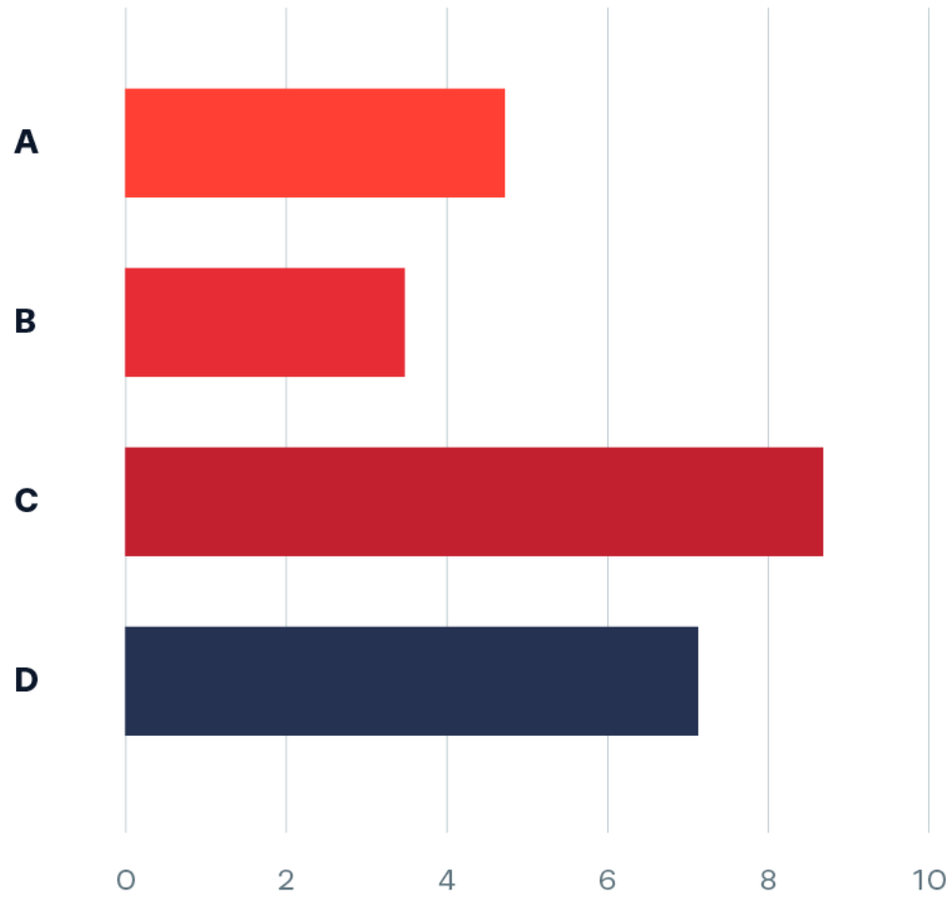
What is the same? What's different?





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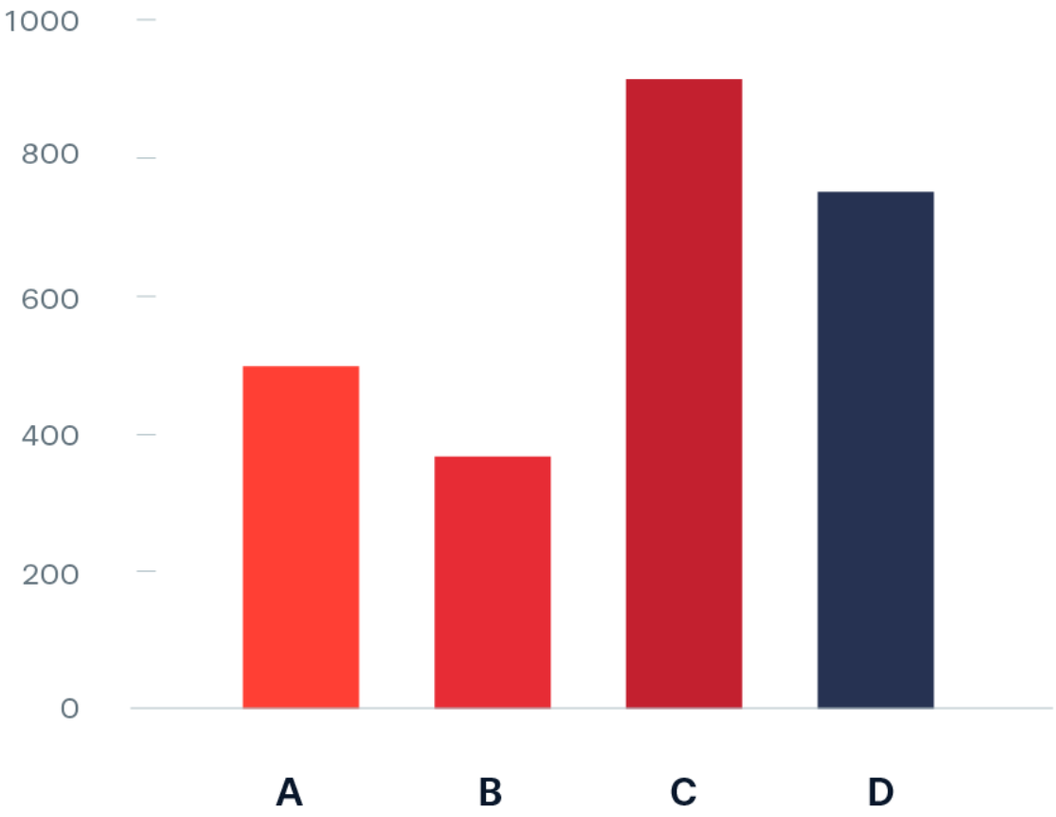
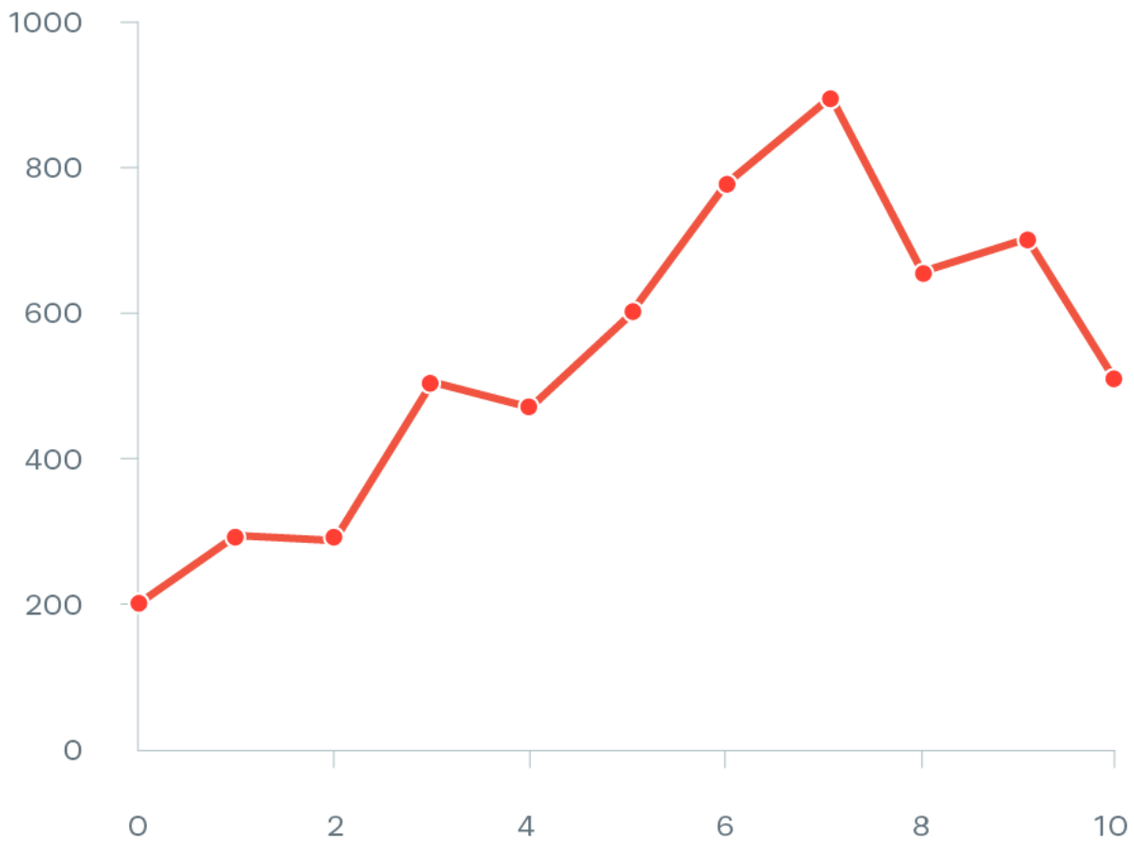
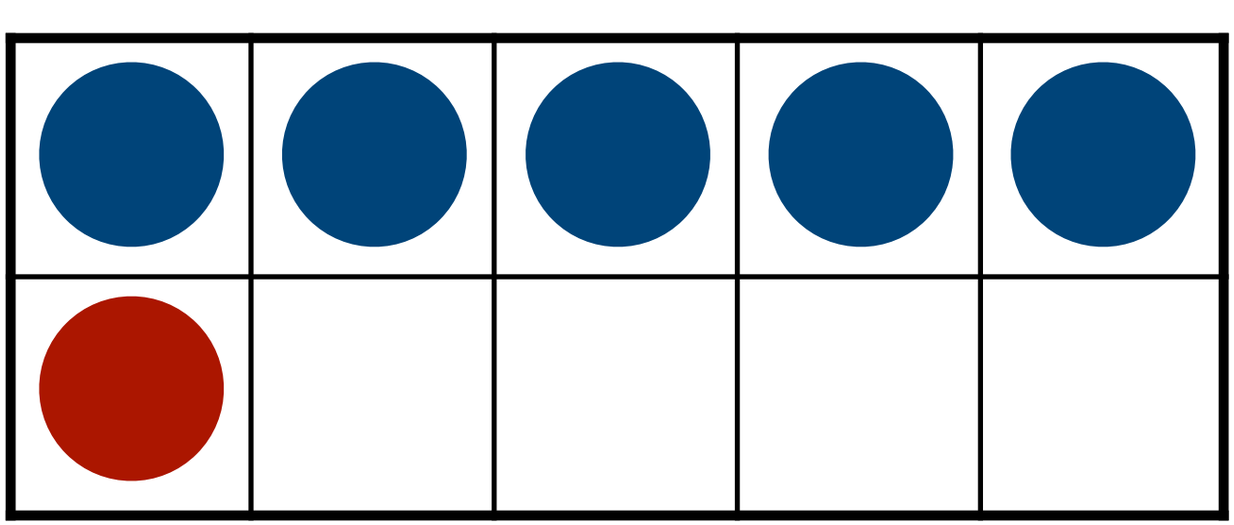
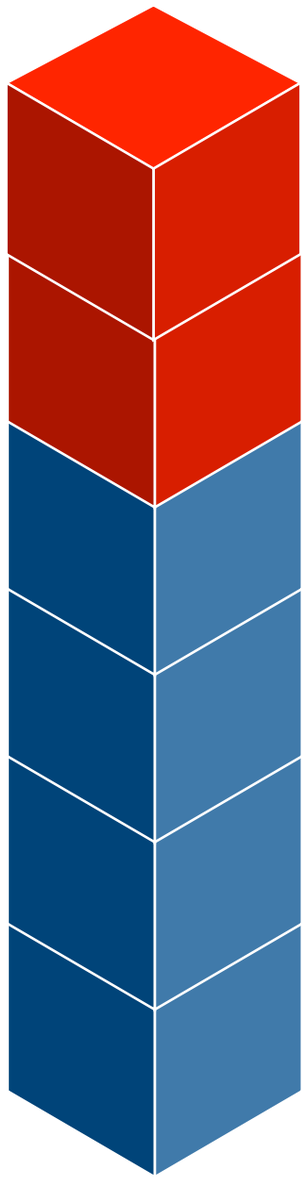
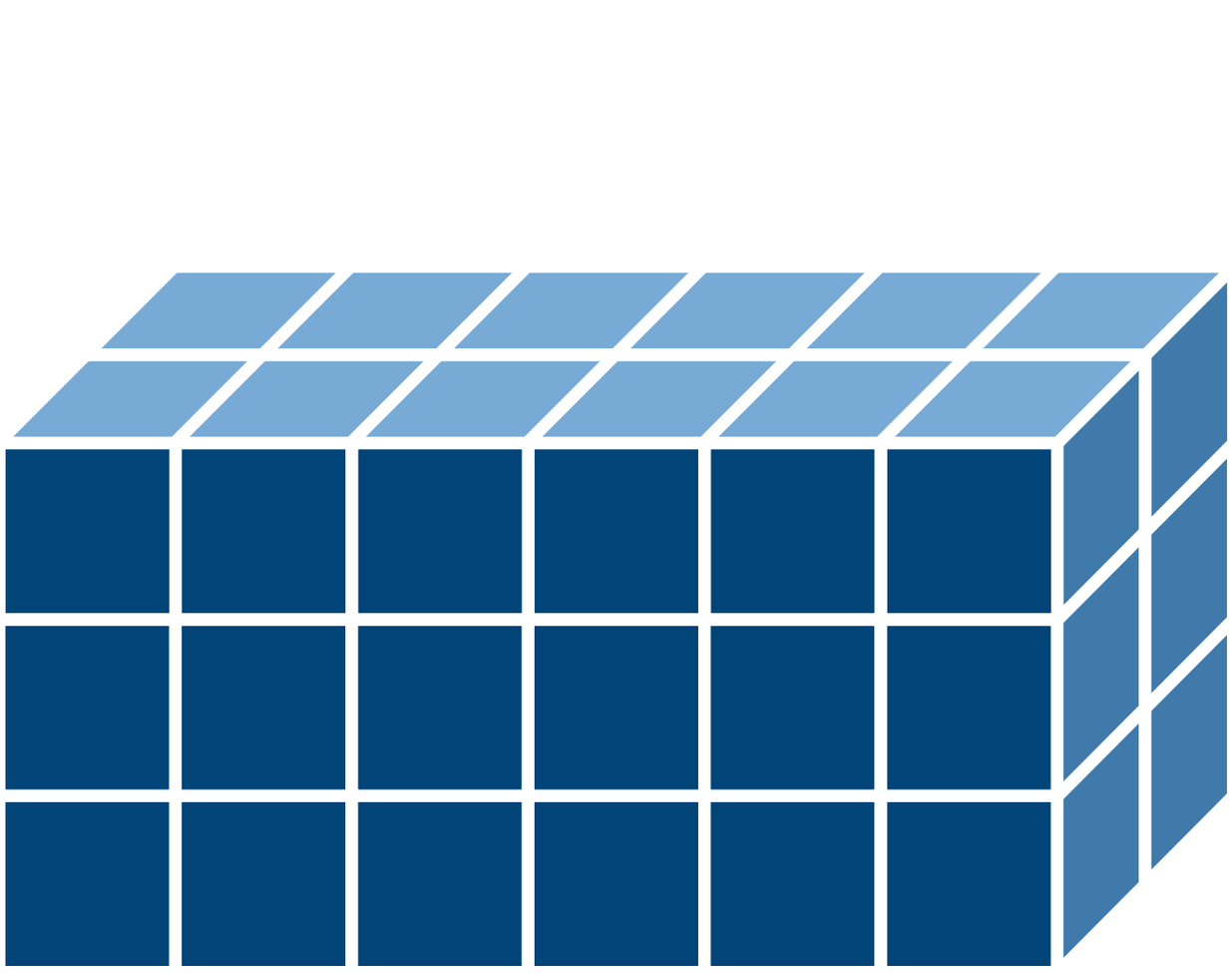
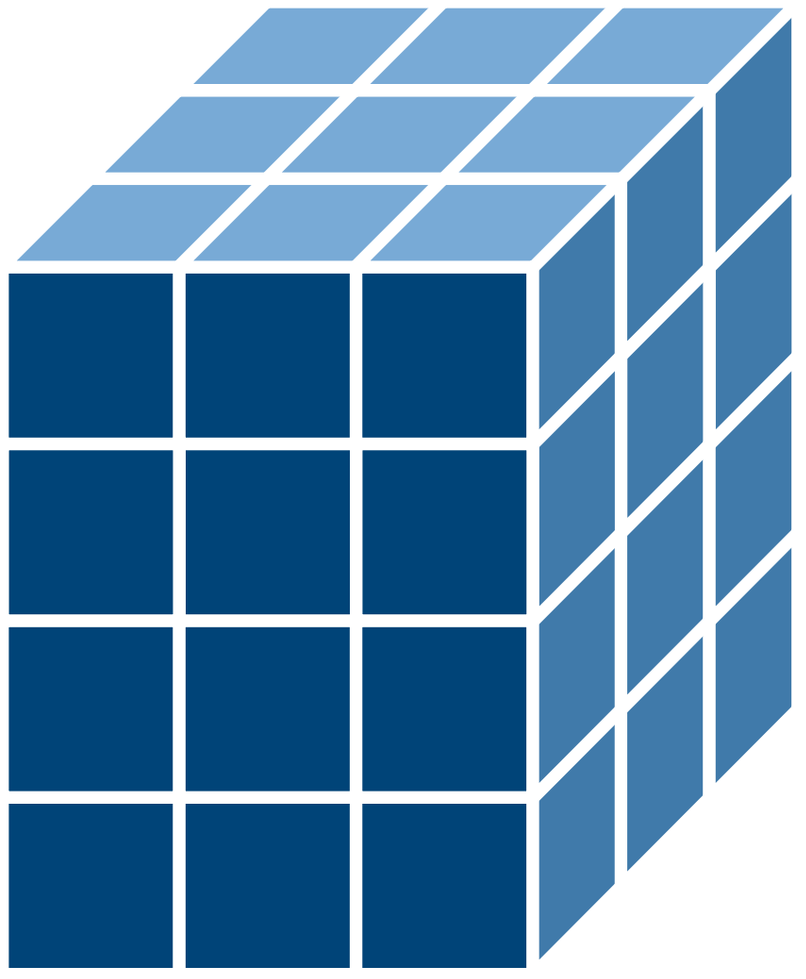




What is the same? What's different?





What is the same? What's different?