

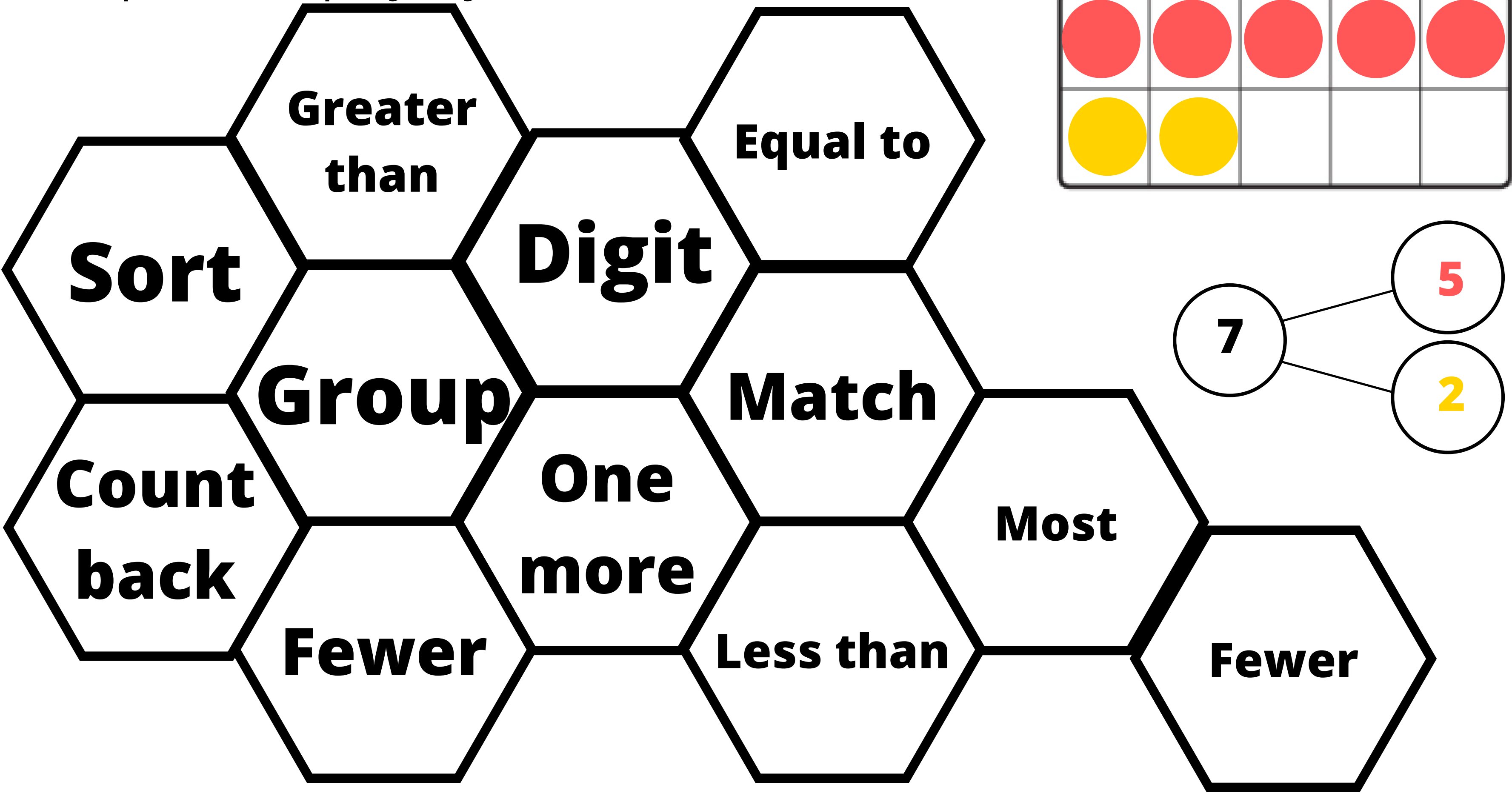
Mathematical
Vocabulary

Models and
images

Year 2 displays.

Representations

Example of display layout





Numbers to 100.



Tens

Ones

**Place
value**

Partition

More

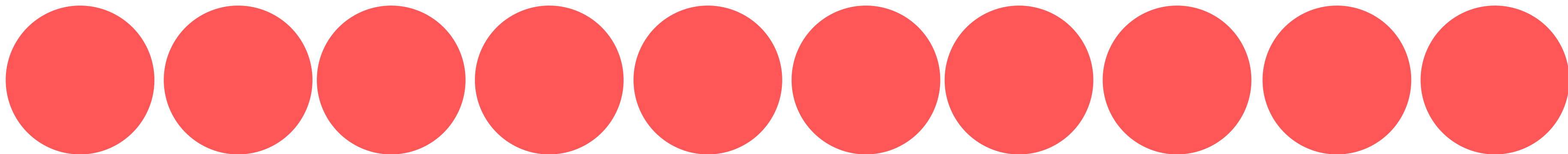
Fewer

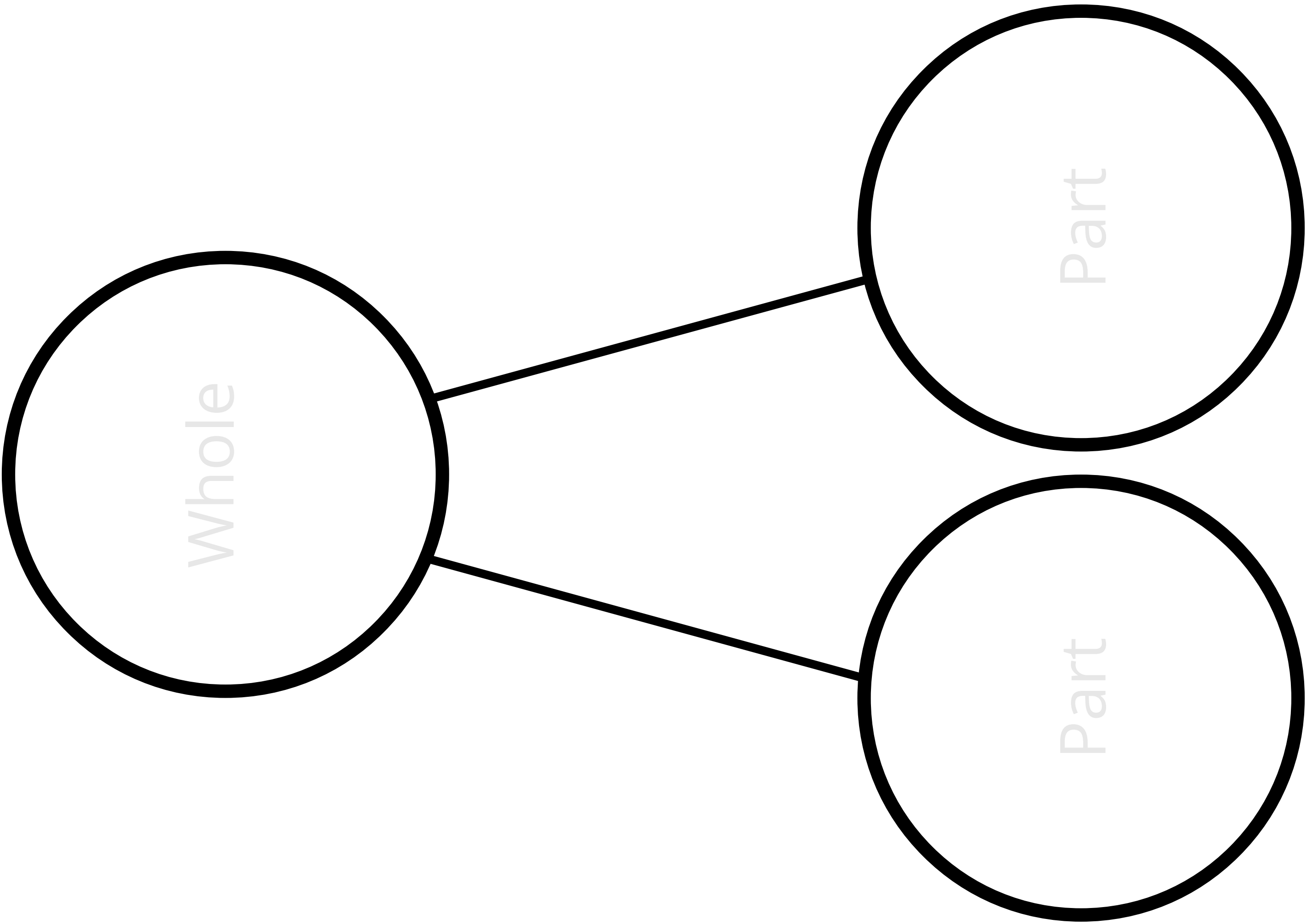


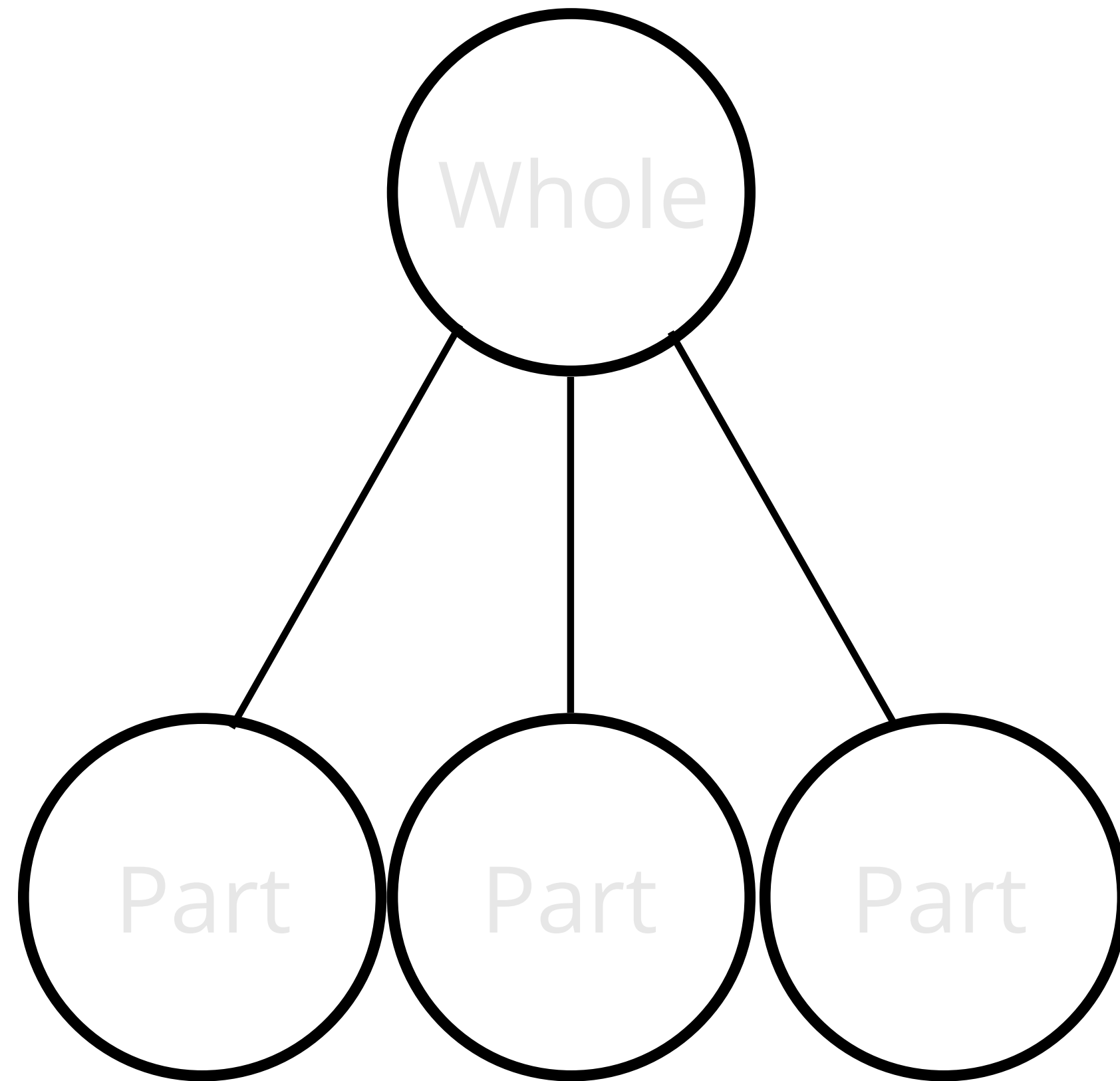
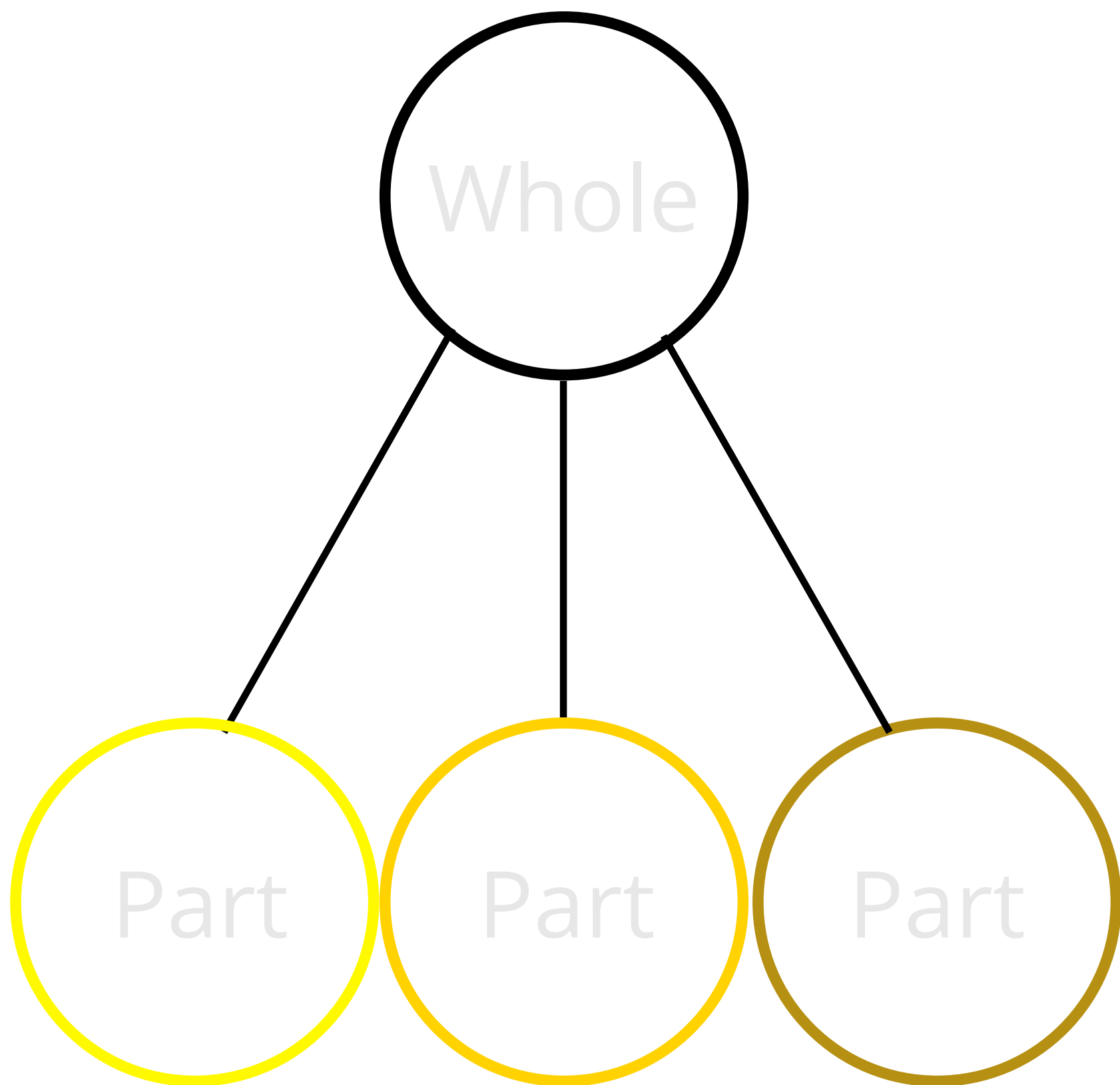
Greatest

Smallest

Fewest



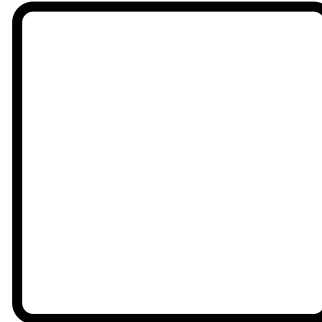




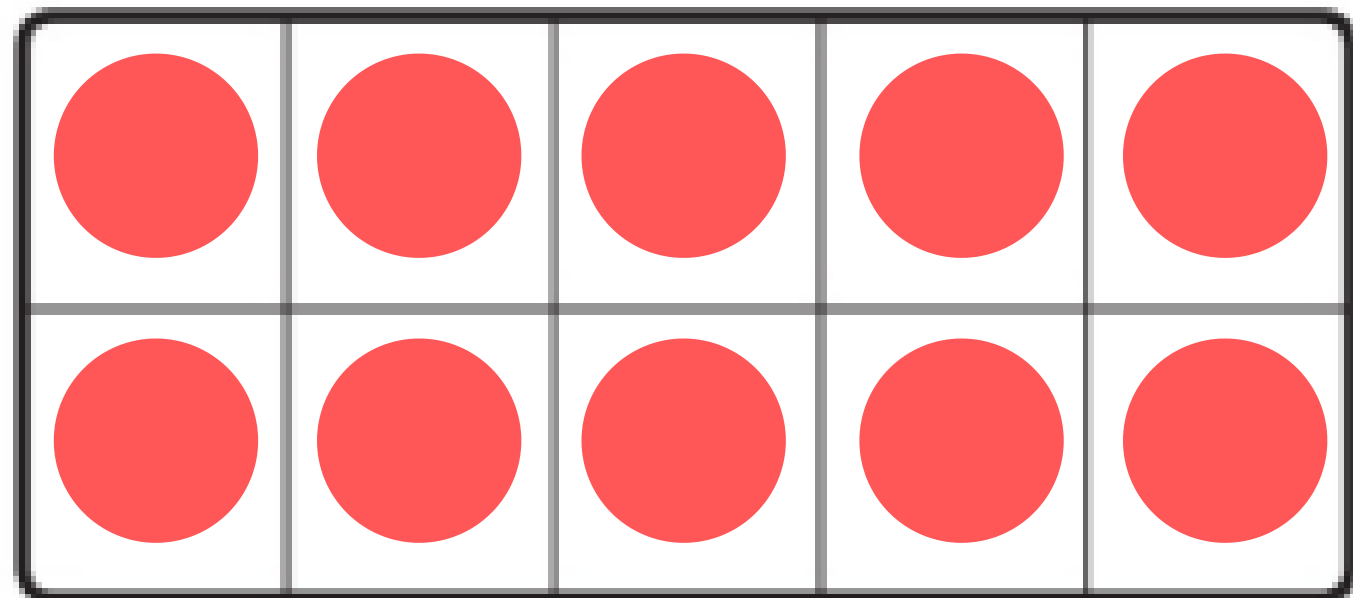
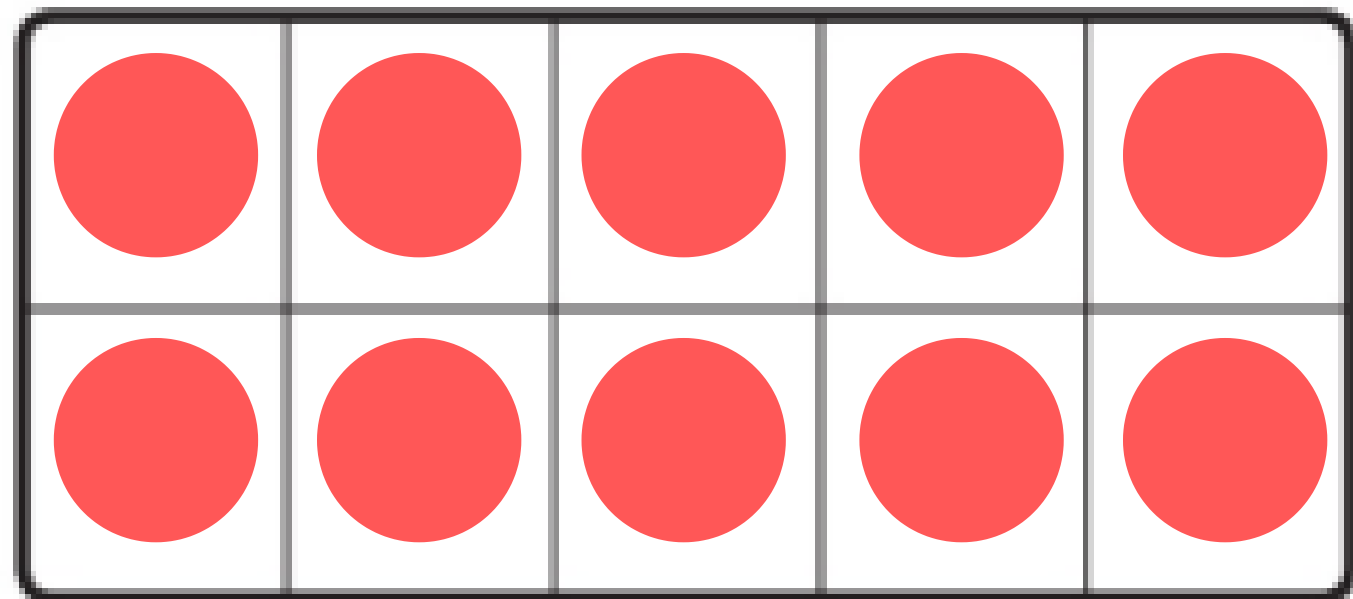
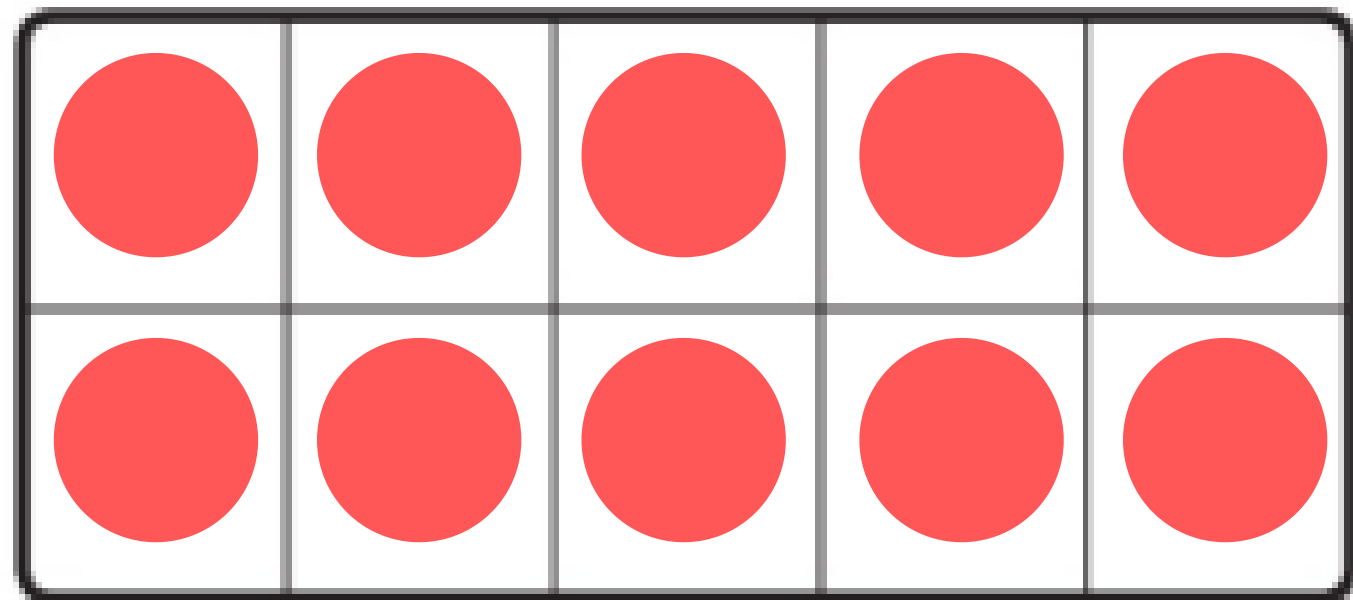
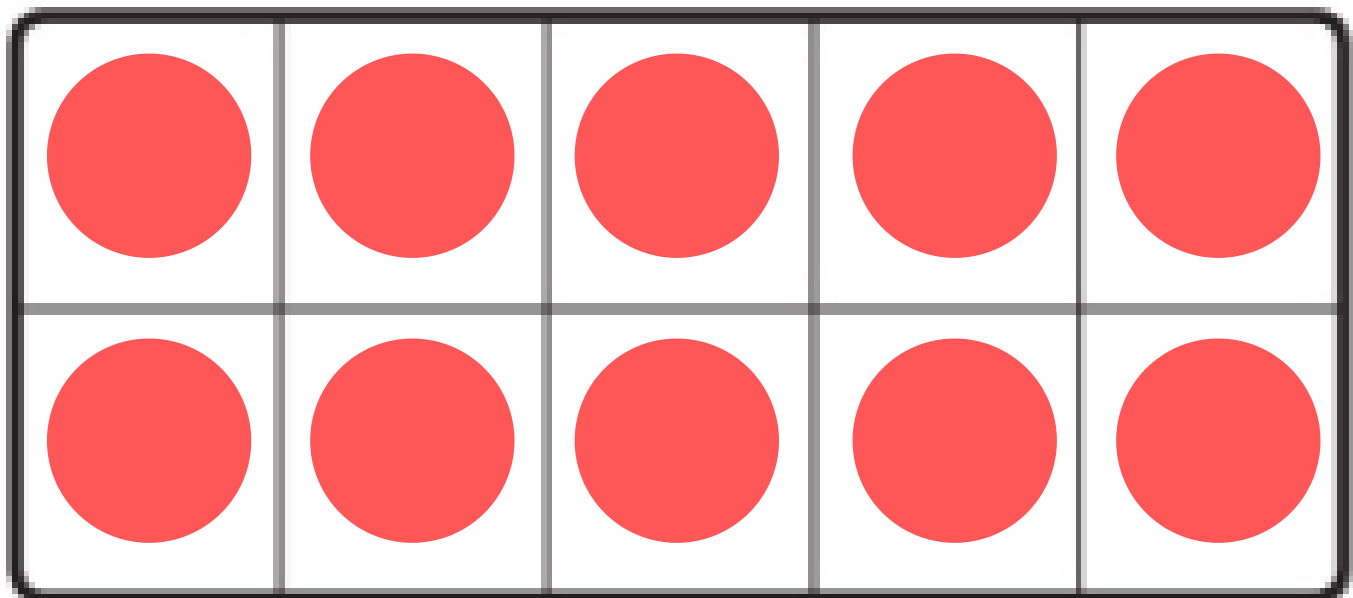
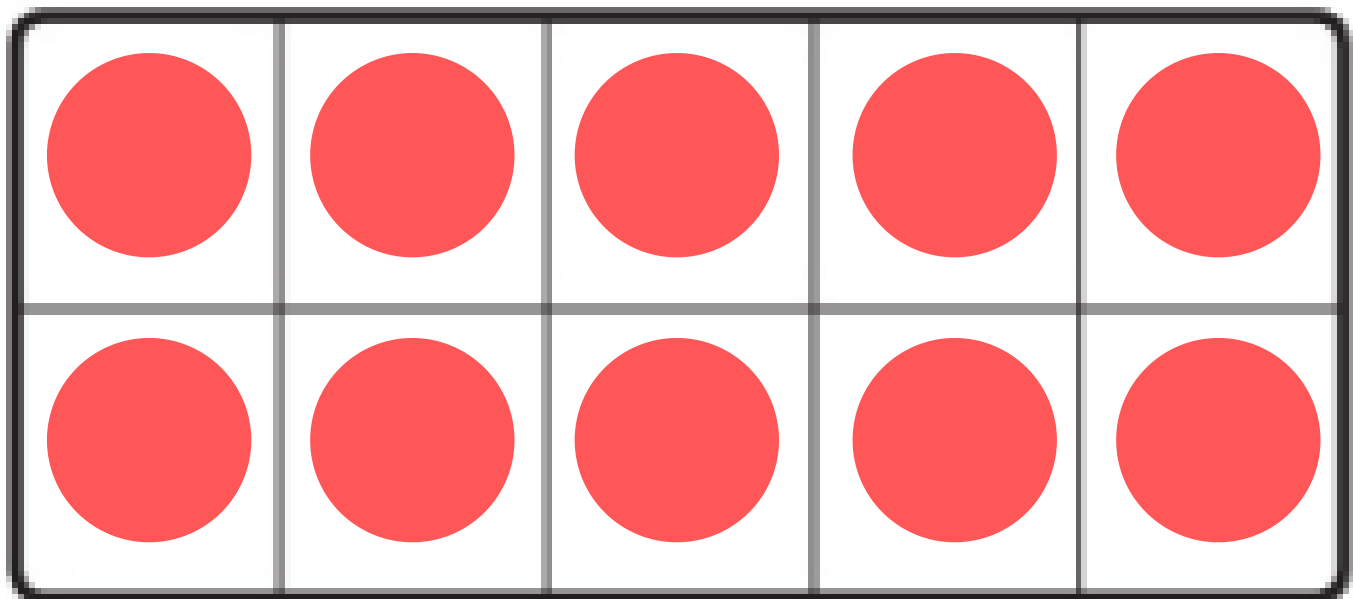
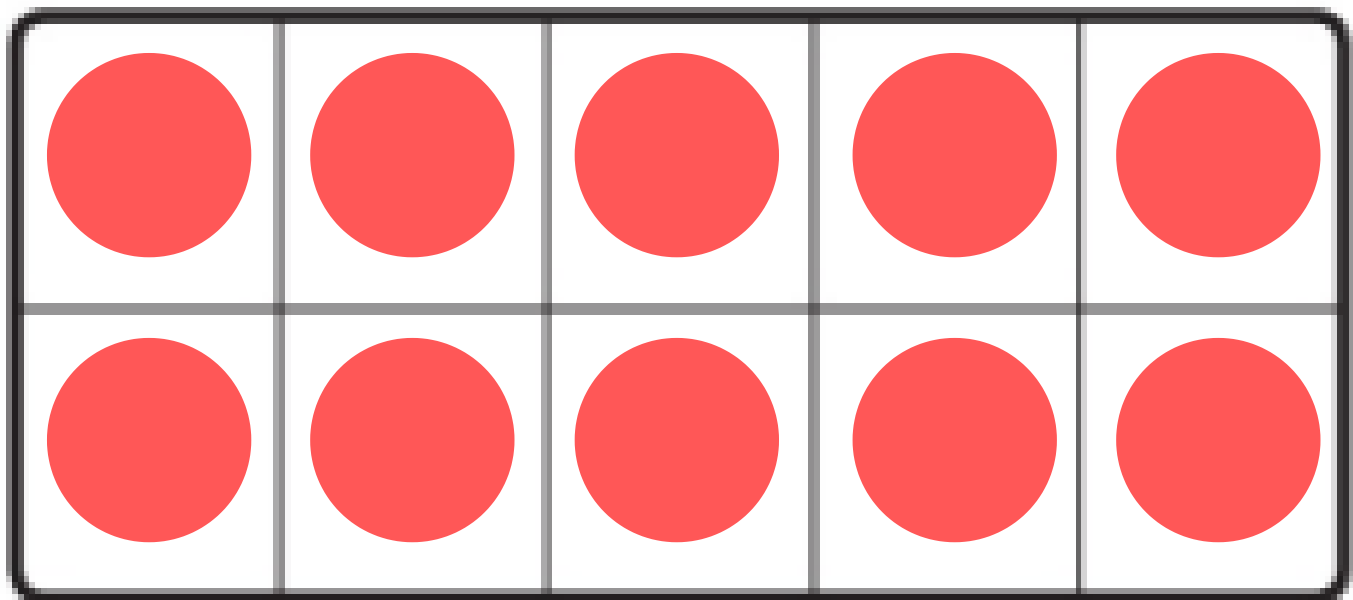
Tens	Ones
Part	Part

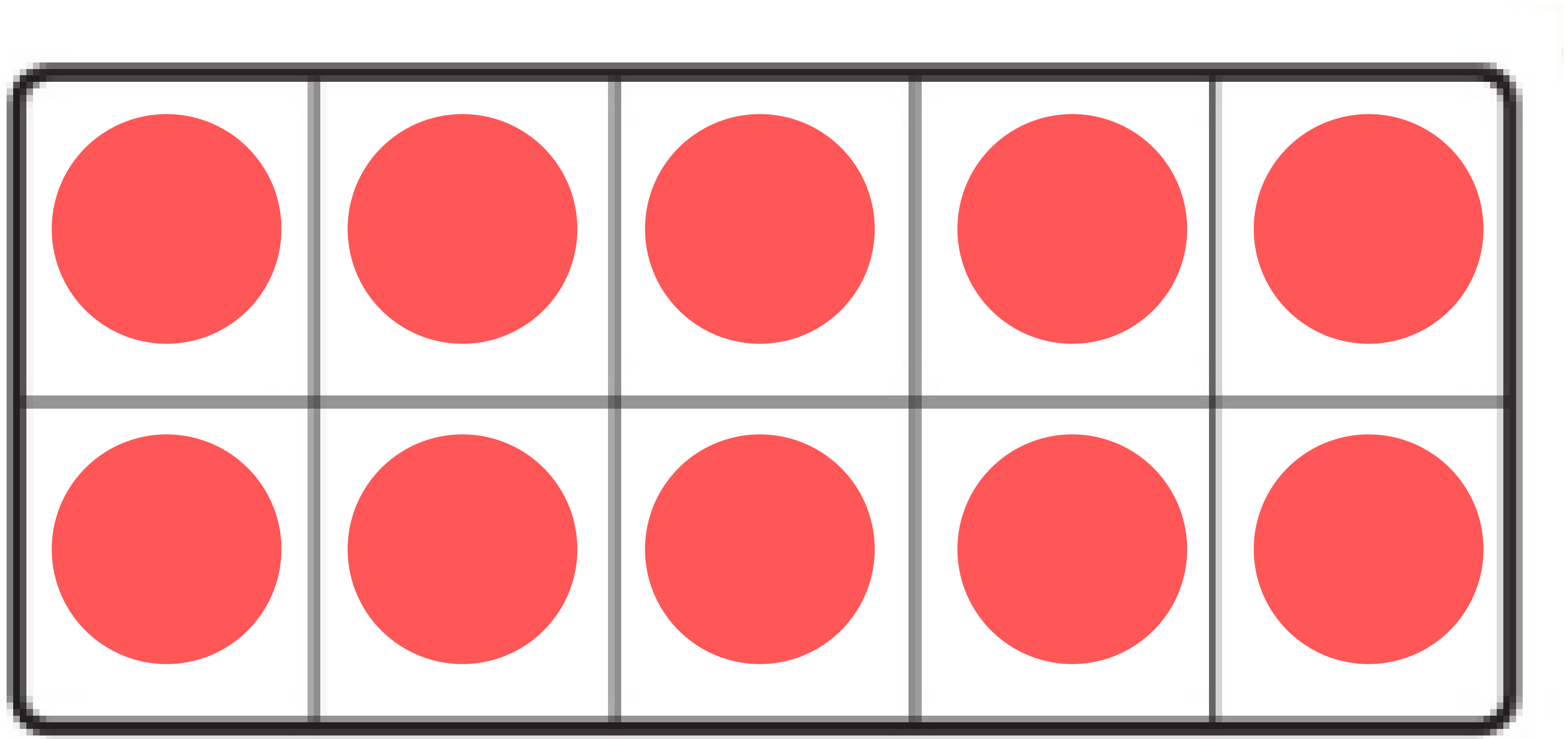
Use $>$ $<$ or $=$

Tens	Ones
Part	Part



Tens	Ones
Part	Part





5	10	15	20	25
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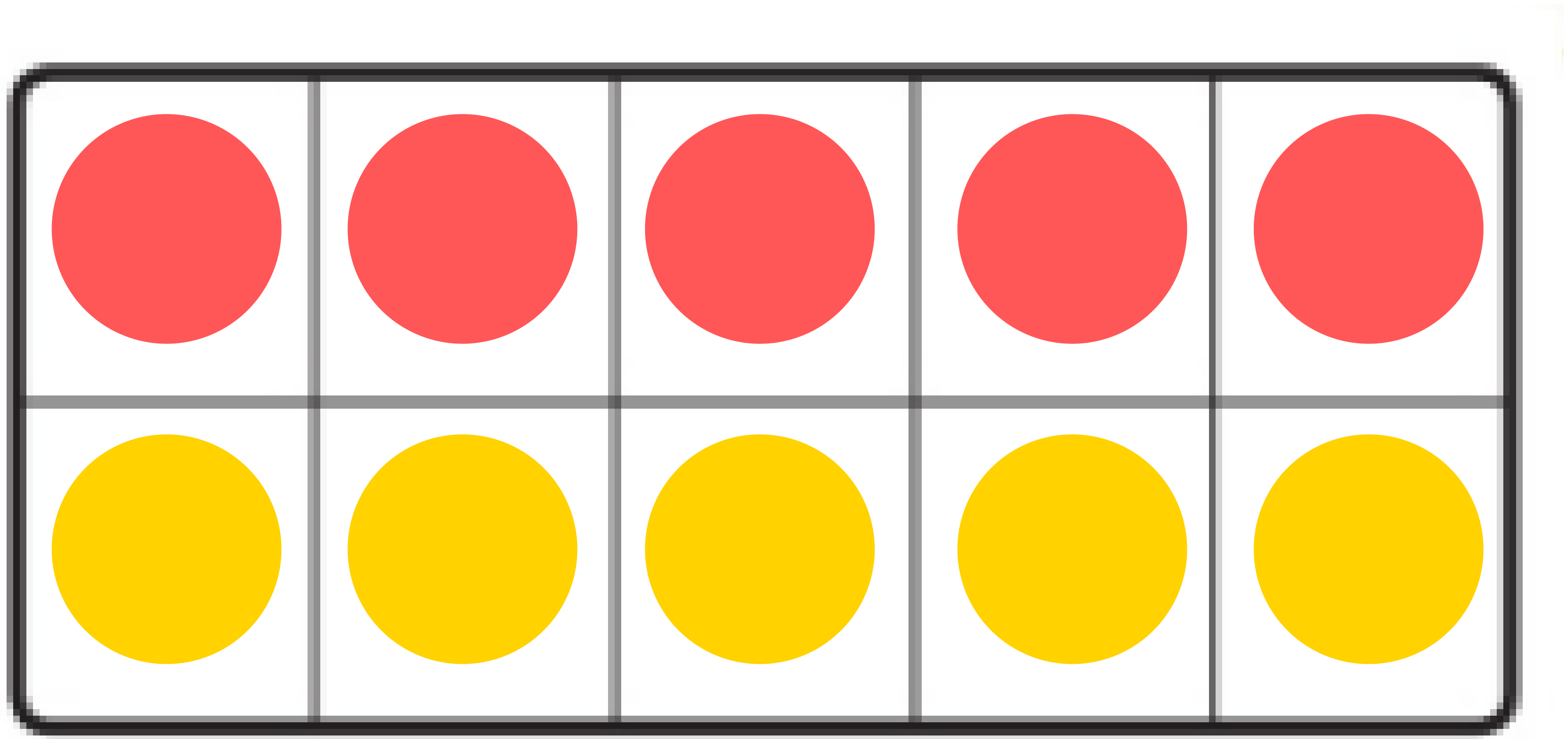
5	10	15	20	
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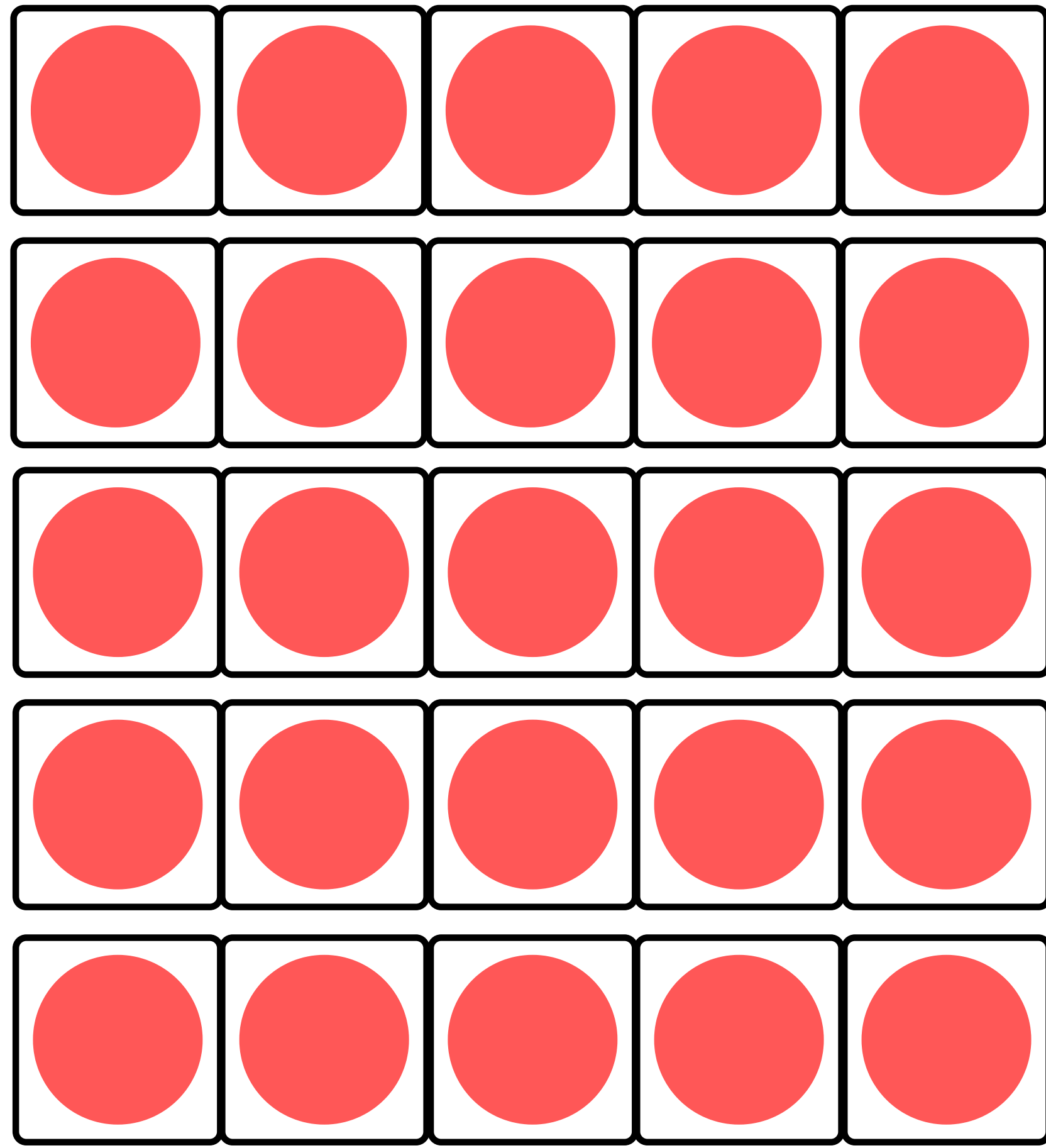
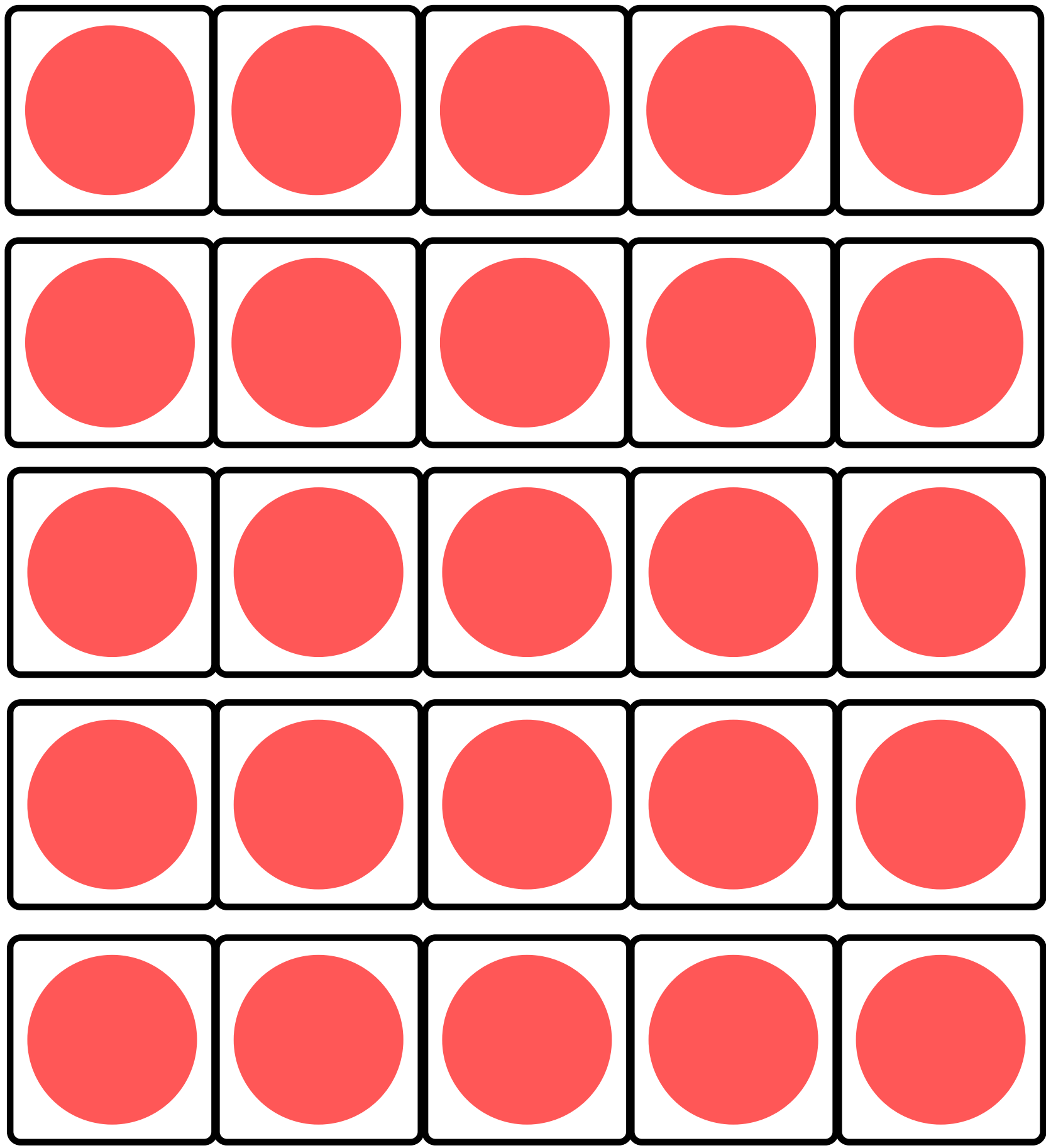
	10	15	20	25
--	----	----	----	----

5		15	20	25
---	--	----	----	----

5	10		20	25
---	----	--	----	----

5	10	15		25
---	----	----	--	----





3	6	9	12	15
---	---	---	----	----

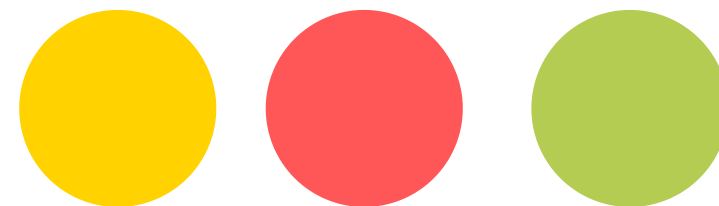
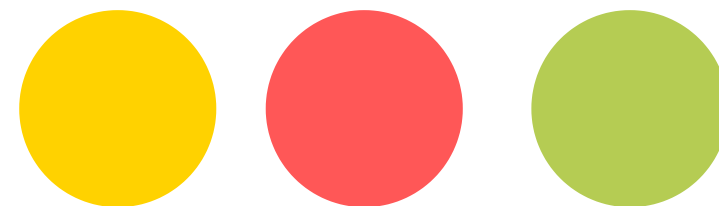
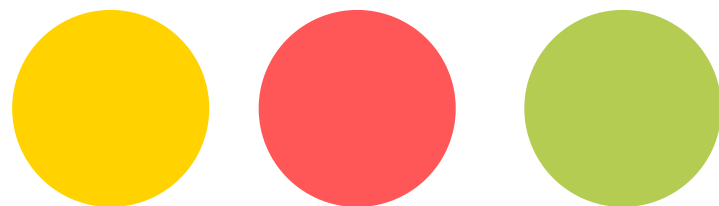
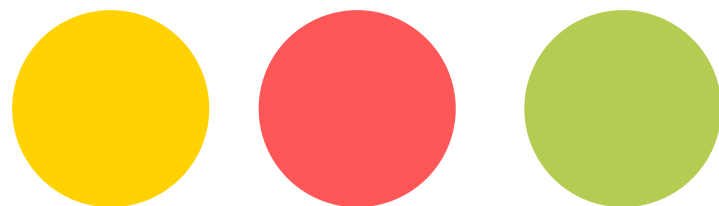
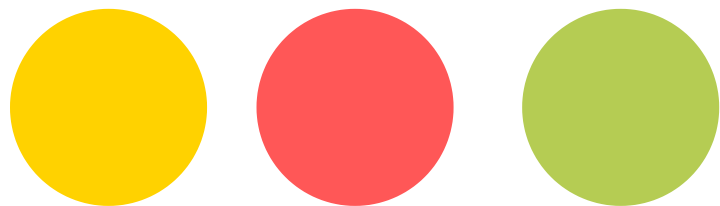
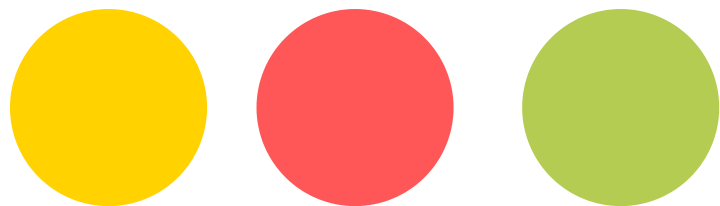
3	6	9	12	
---	---	---	----	--

	6	9	12	15
--	---	---	----	----

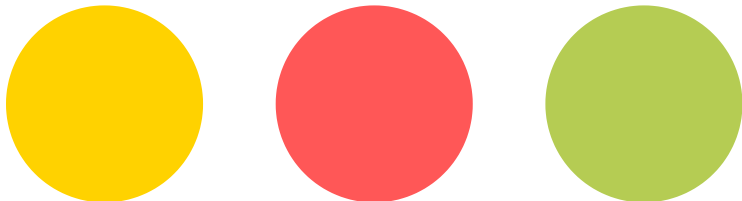
3		9	12	15
---	--	---	----	----

3	6		12	15
---	---	--	----	----

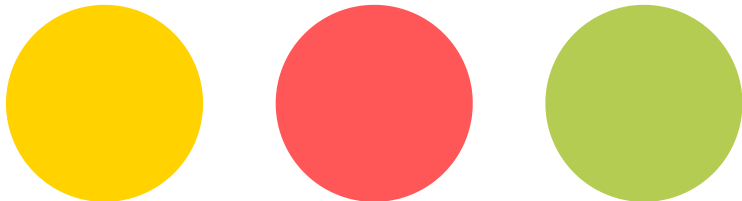
3	6	9		15
---	---	---	--	----



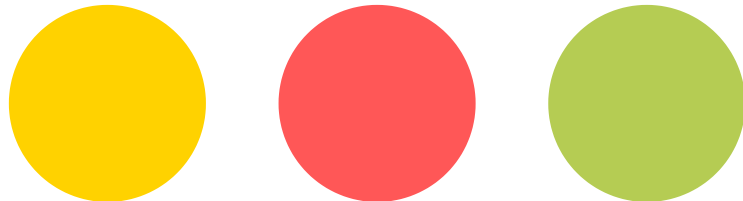
1 **2** **3**



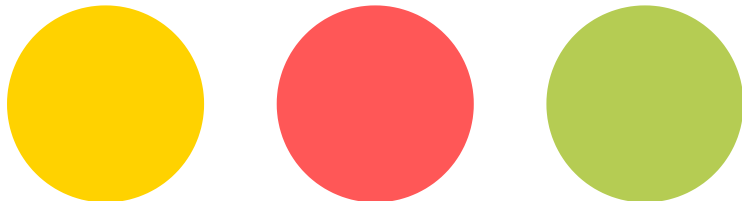
10 **11** **12**



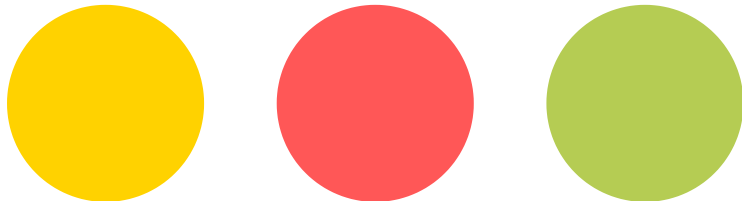
19 **20** **21**



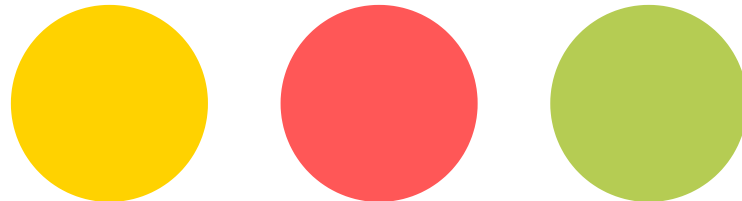
4 **5** **6**



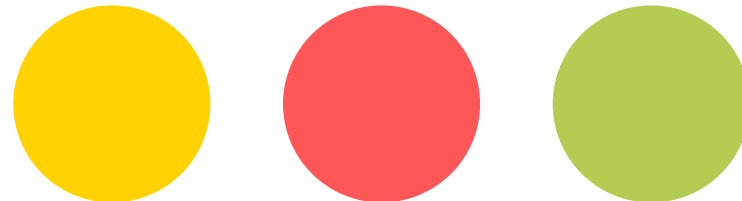
13 **14** **15**



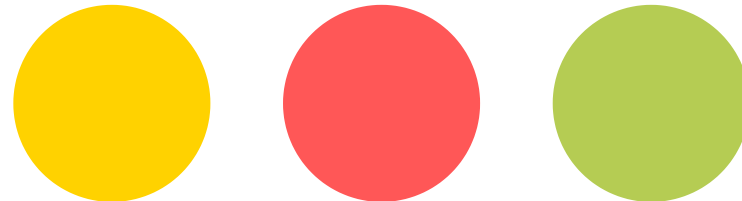
22 **23** **24**



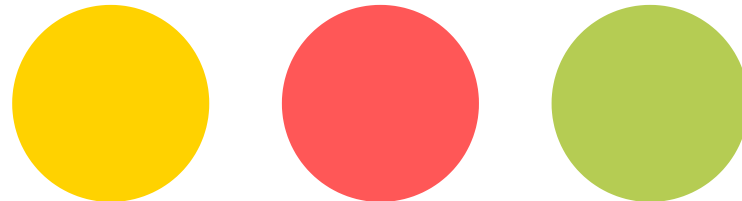
7 **8** **9**



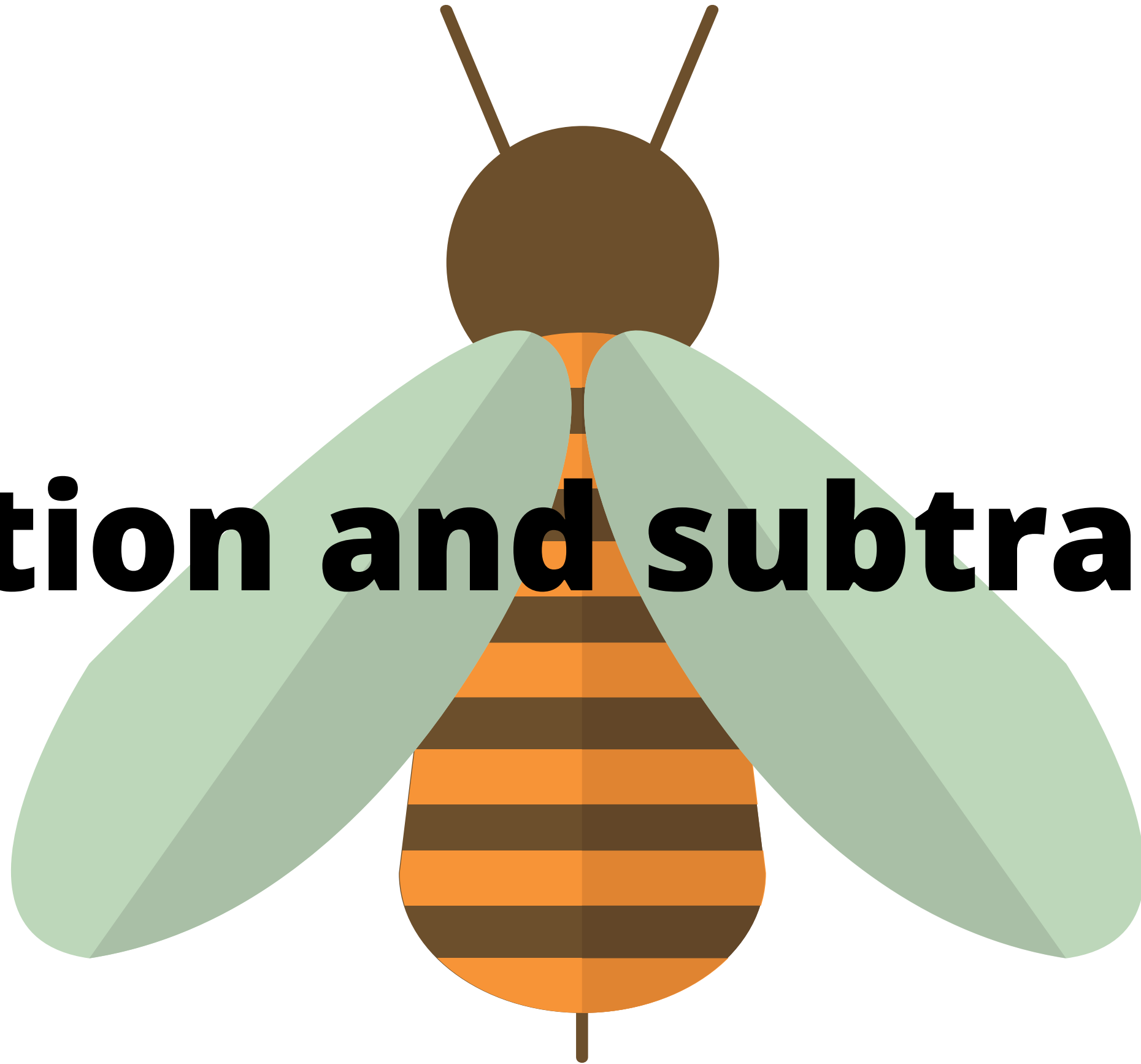
16 **17** **18**



25 **26** **27**



Addition and subtraction





Fact family

**Number
sentence**

**Number
bonds**

Column

10 more

10 less



Total

Subtract

Tens

Ones

Represents

Difference

+

+

Whole

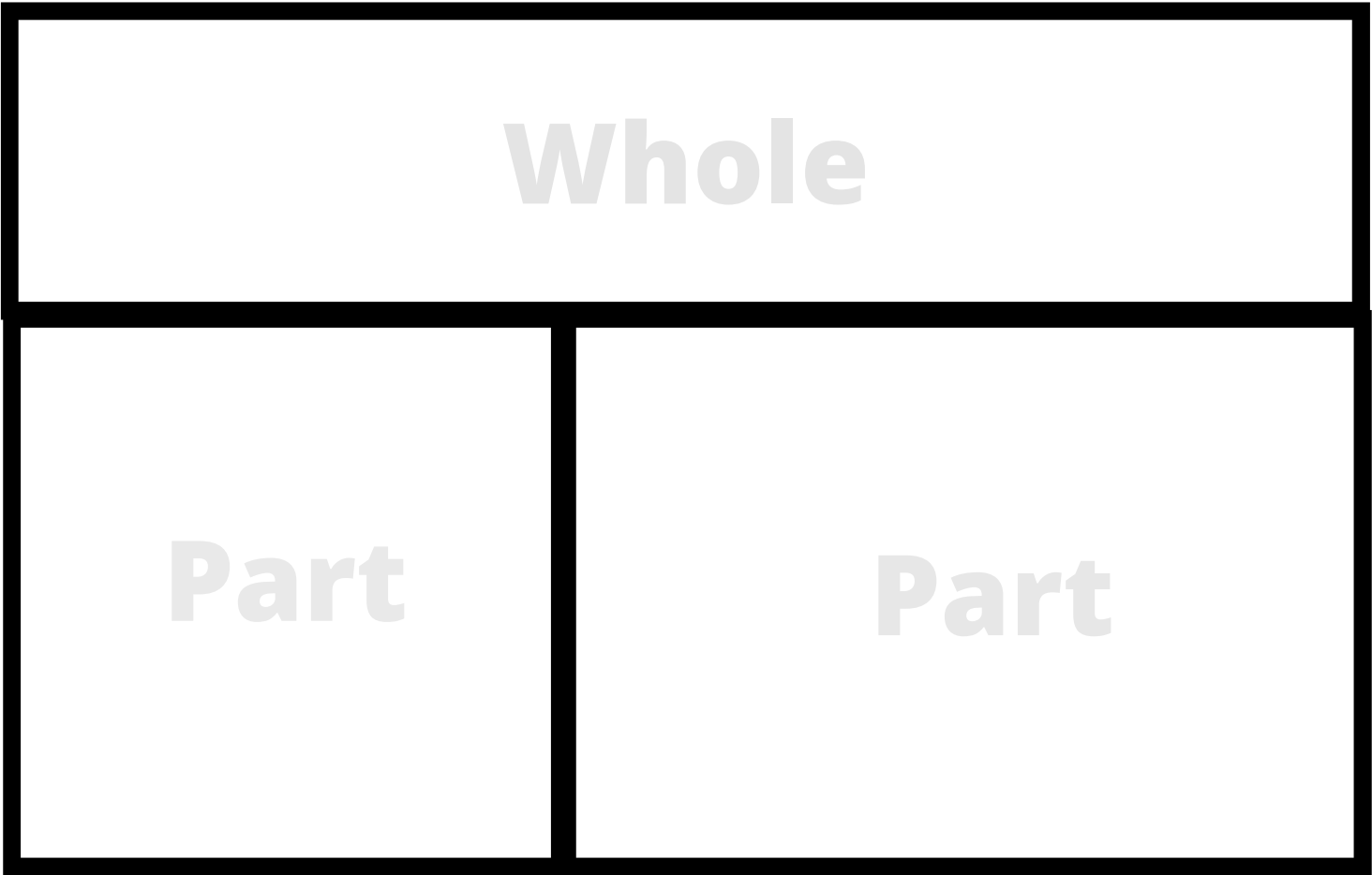
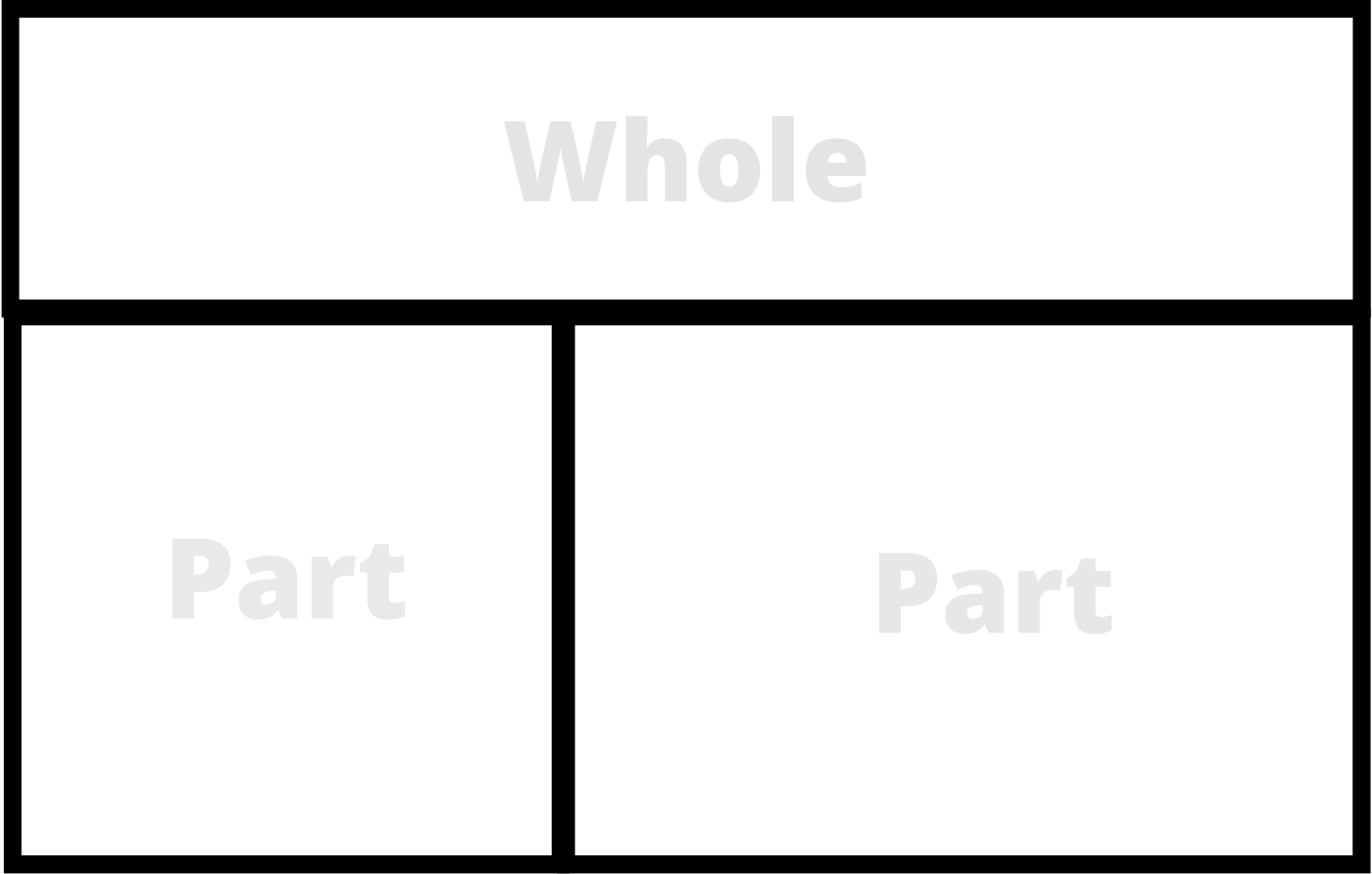
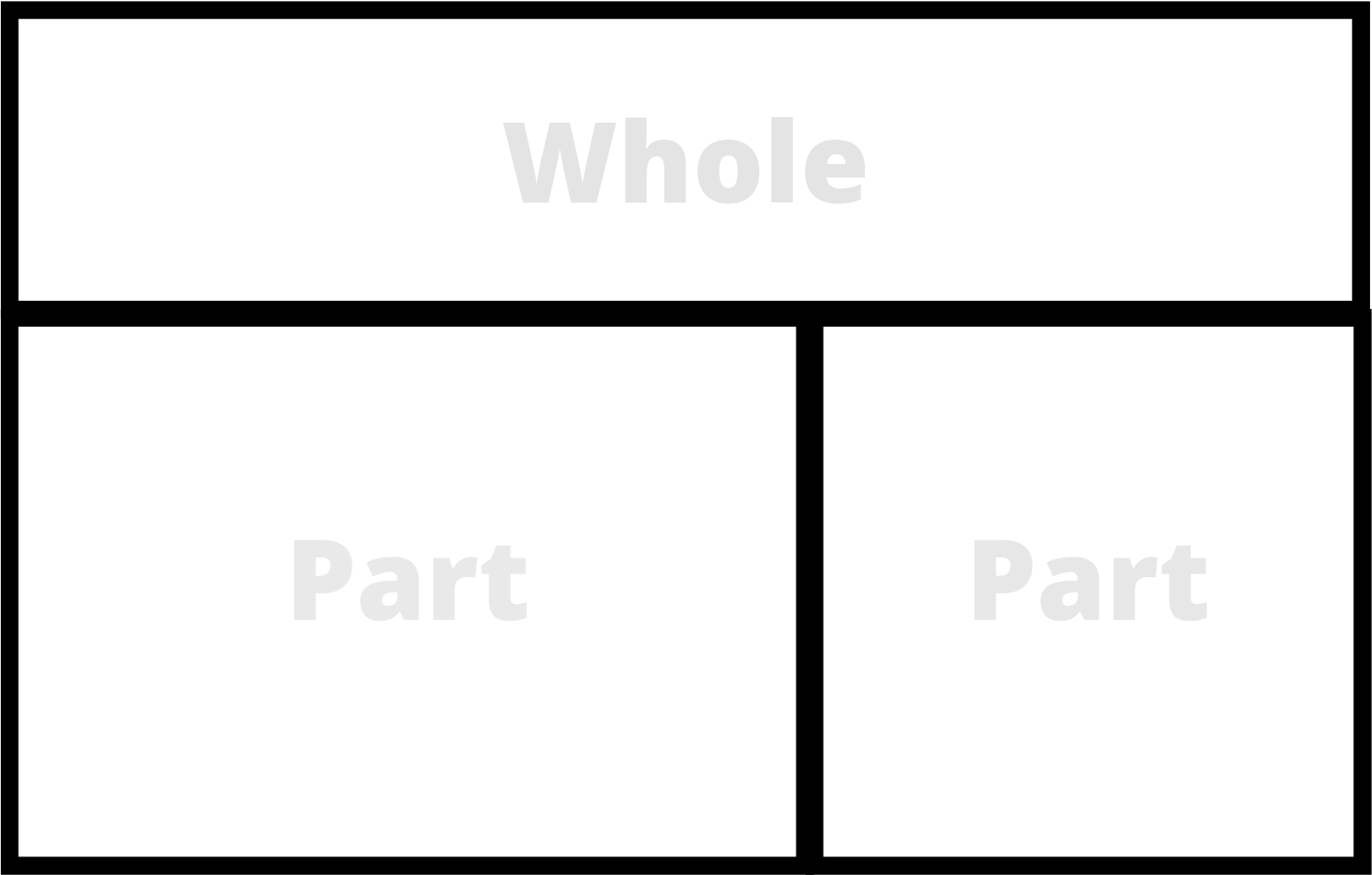
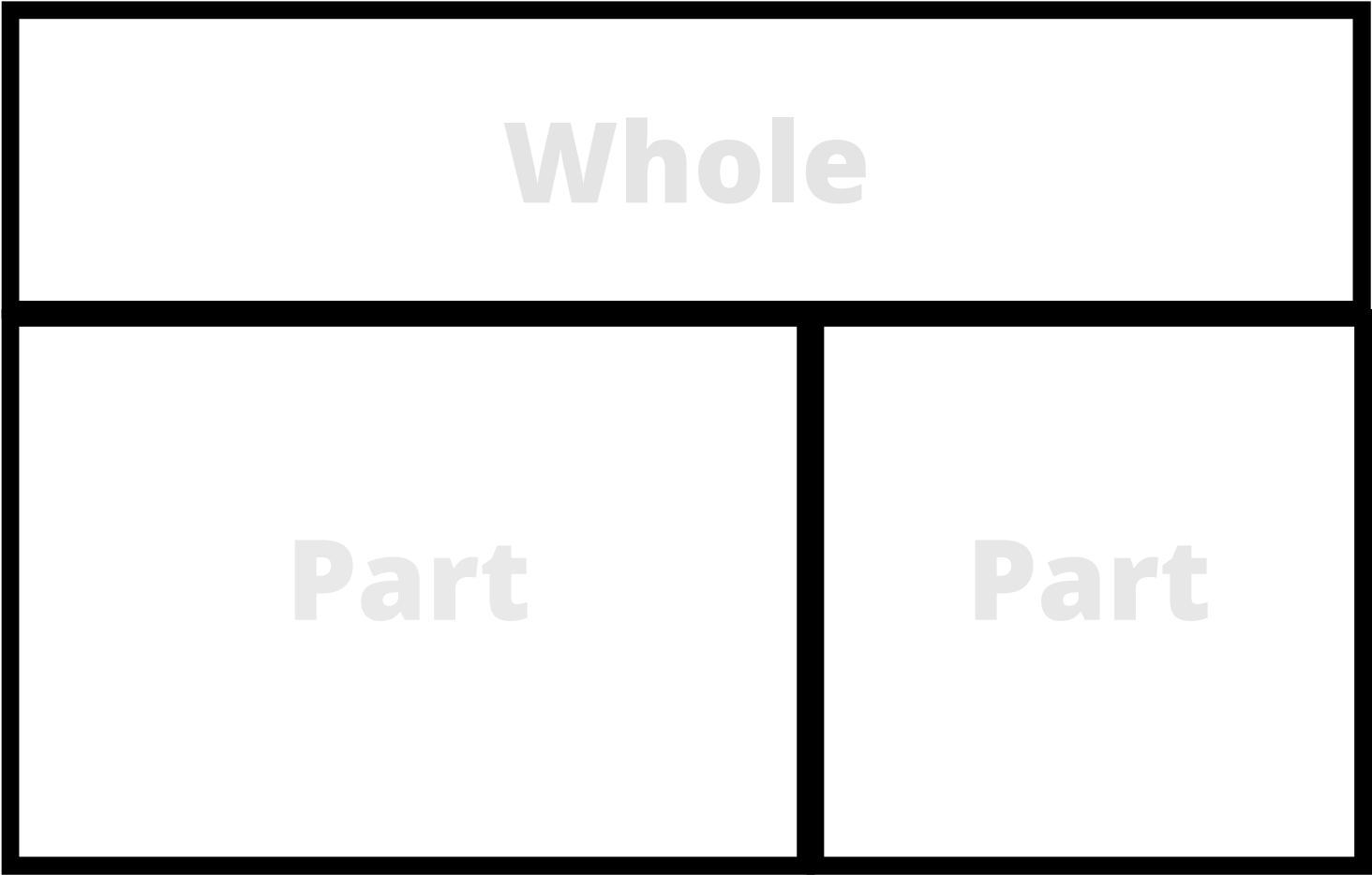
Part

Part

Whole

Part

Part



12 + **8** = **20**

+ **8** = **20**

12 + = **20**

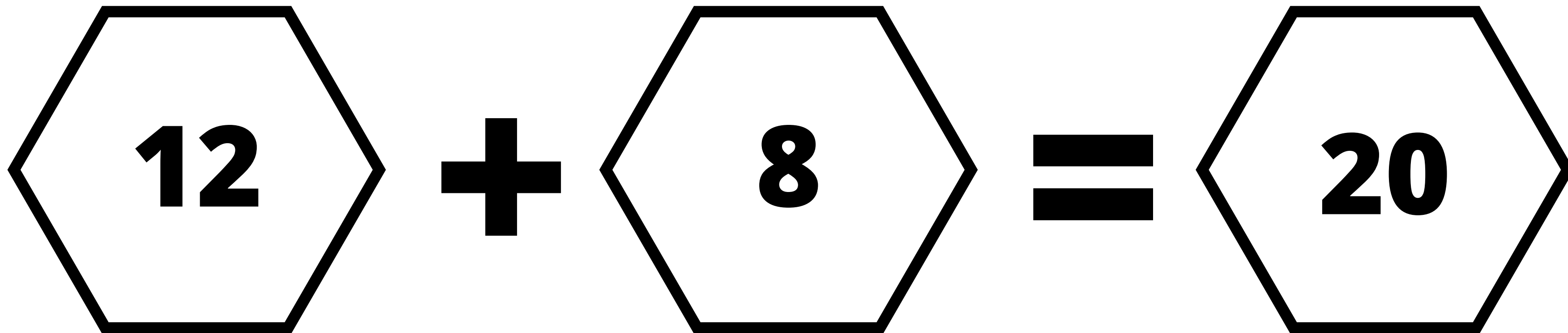
12 + **8** =

20 = **8** + **12**

= **8** + **20**

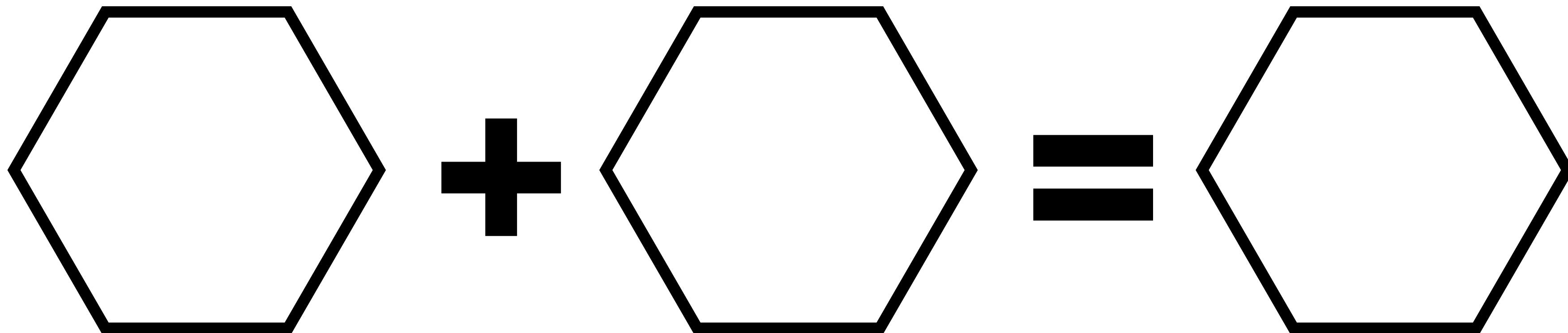
20 = + **12**

20 = +



A visual arithmetic problem. It consists of three hexagons arranged horizontally. The first hexagon contains the number 12. To its right is a plus sign. The second hexagon contains the number 8. To its right is an equals sign. The third hexagon contains the number 20.

$$12 + 8 = 20$$

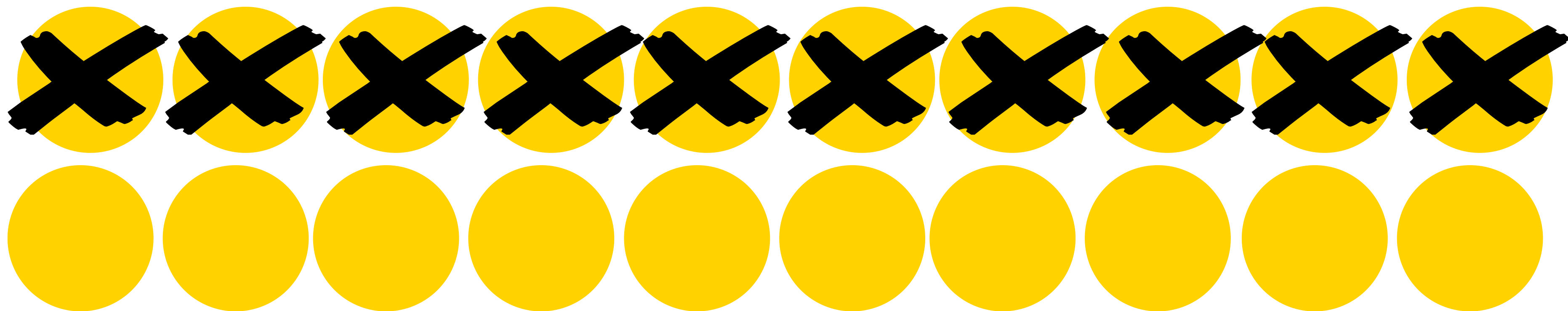
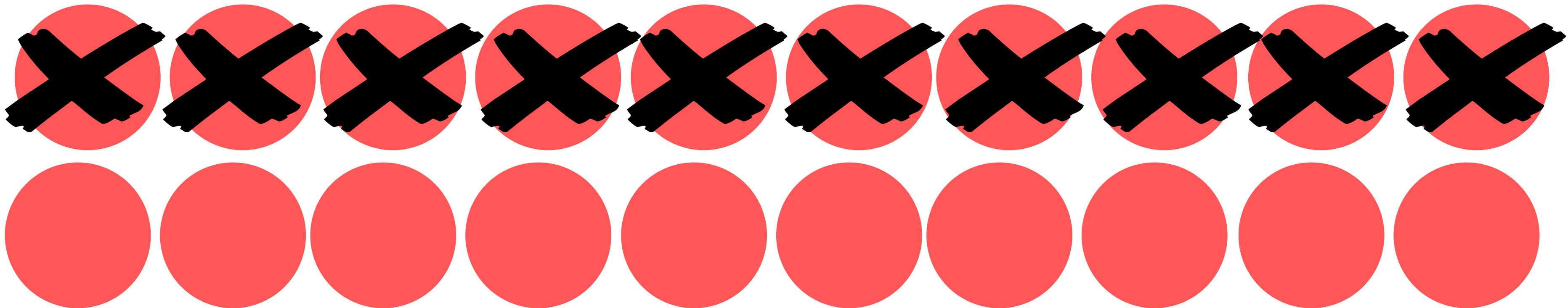


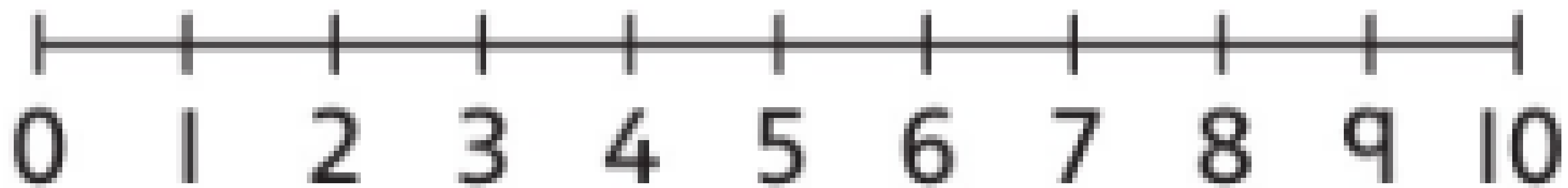
A blank template for a visual arithmetic problem. It consists of three hexagons arranged horizontally. The first hexagon is empty. To its right is a plus sign. The second hexagon is empty. To its right is an equals sign. The third hexagon is empty.

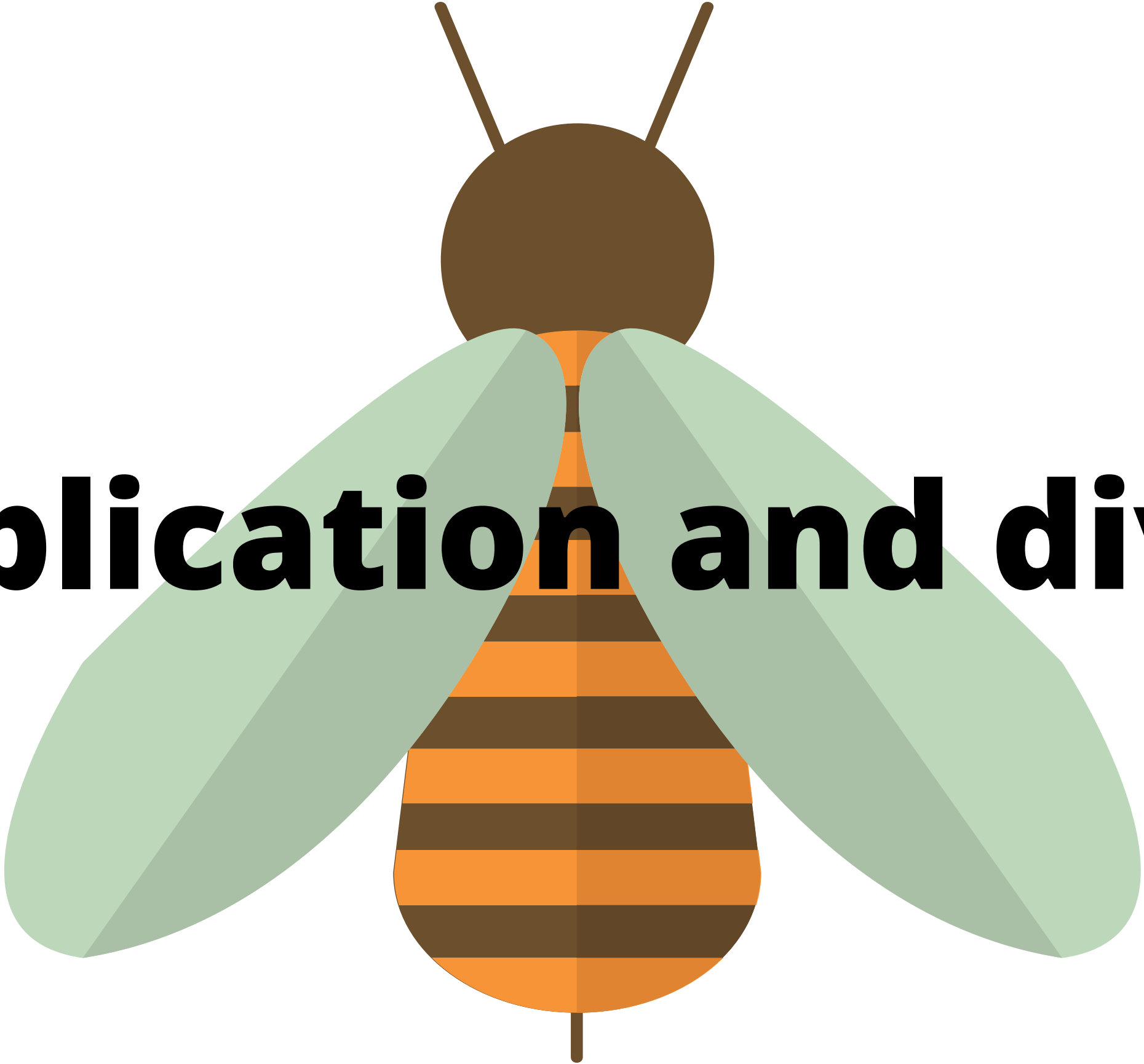
$$\quad + \quad = \quad$$

20 = **8** + **12**

= +







Multiplication and division

**Times
tables**

Multiply

**Equal
groups**

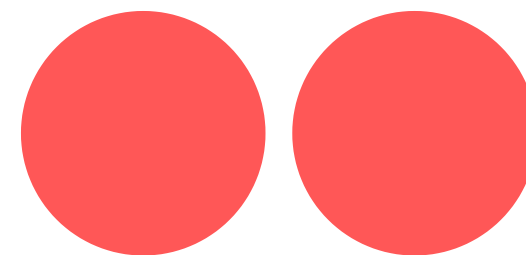
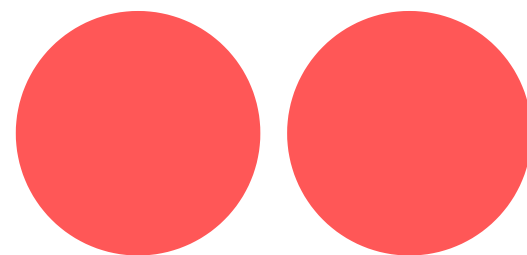
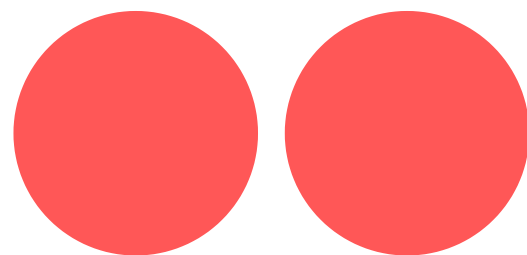
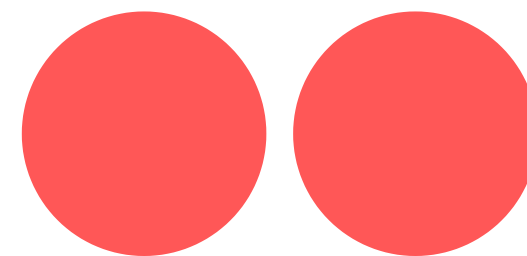
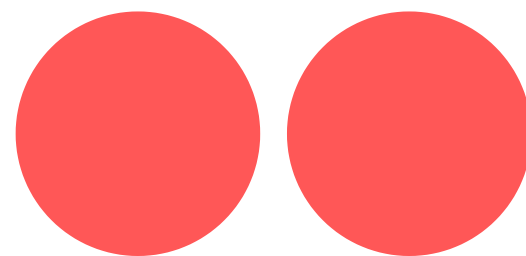
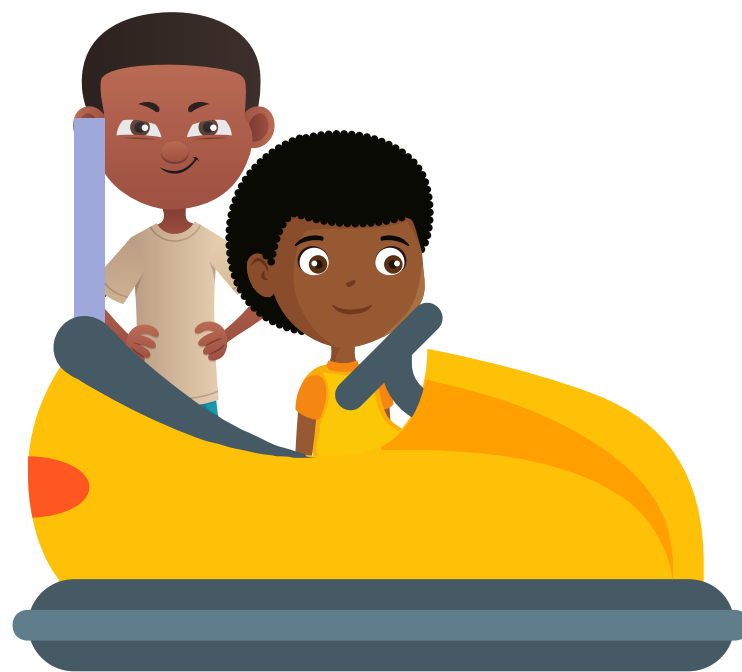
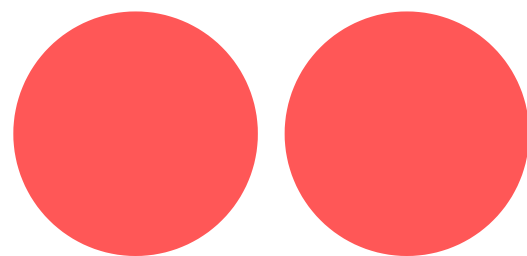
Multiple

Times

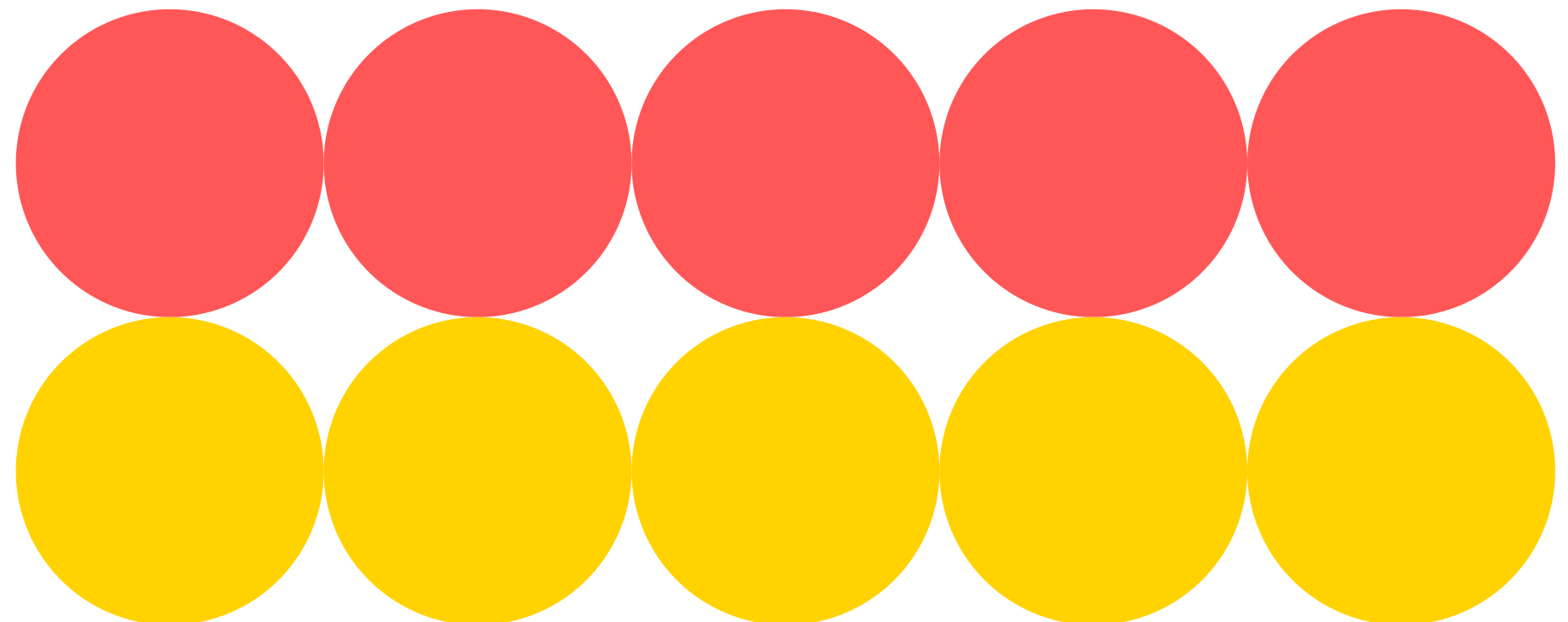
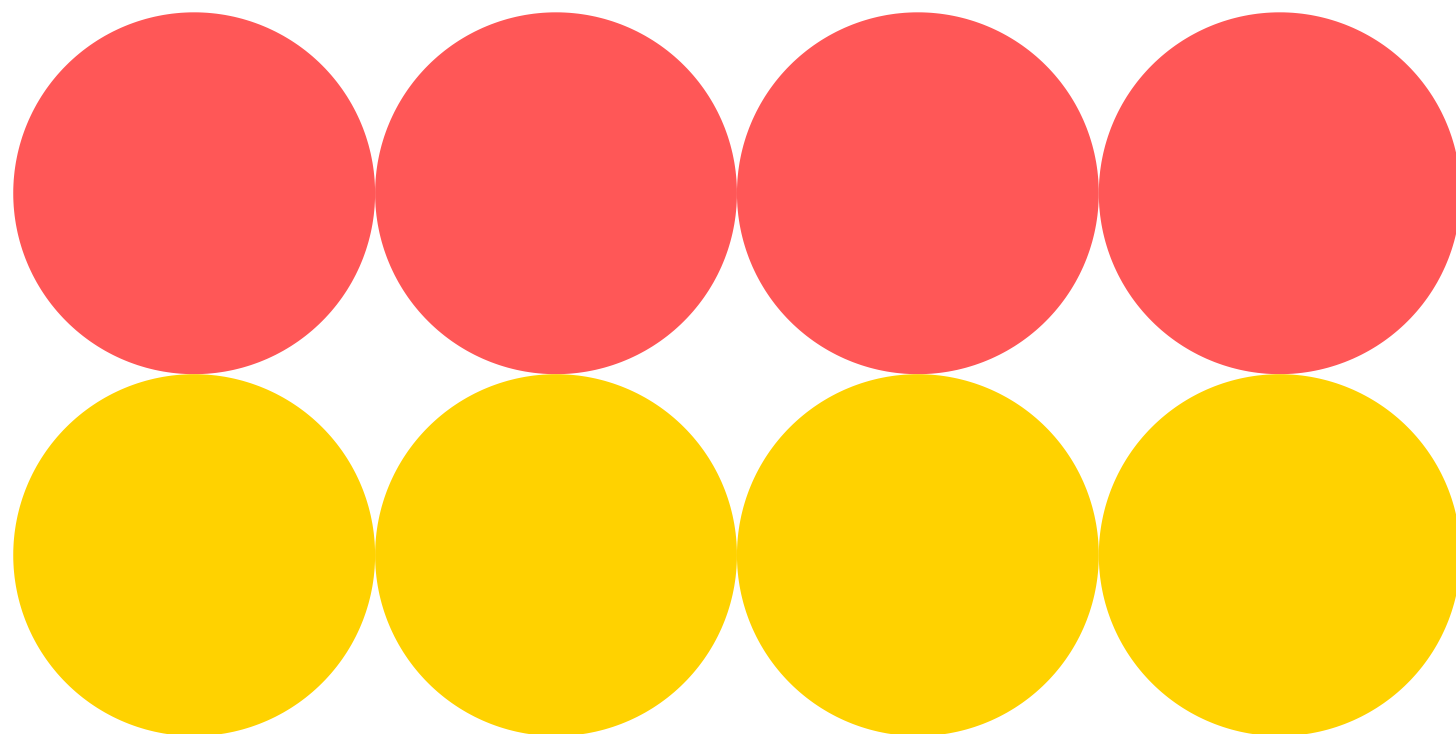
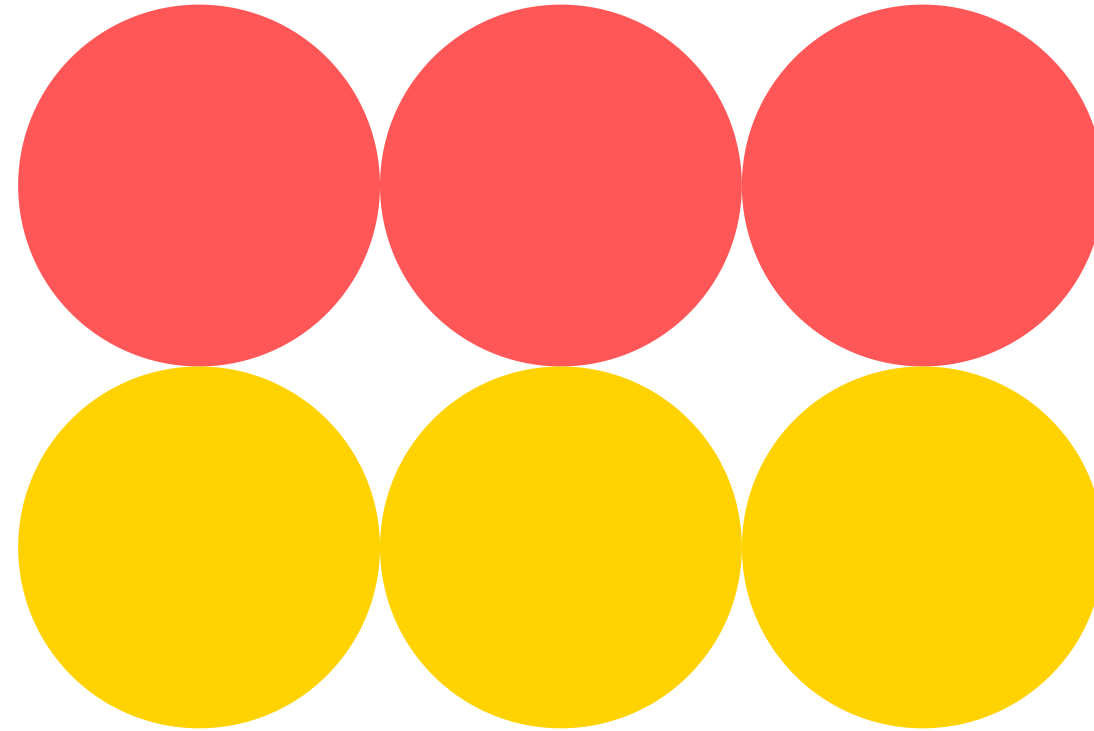
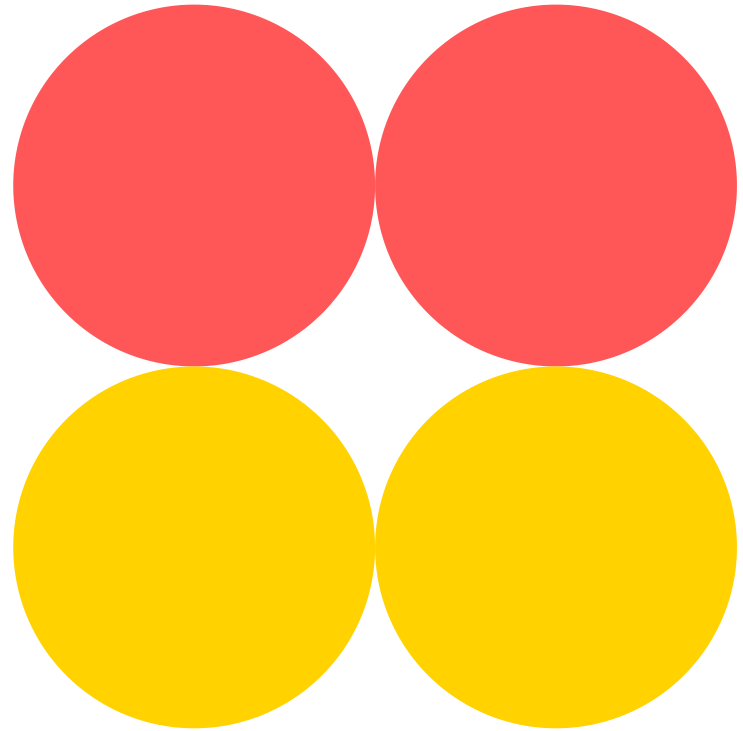
**Repeated
addition**

Equal groups

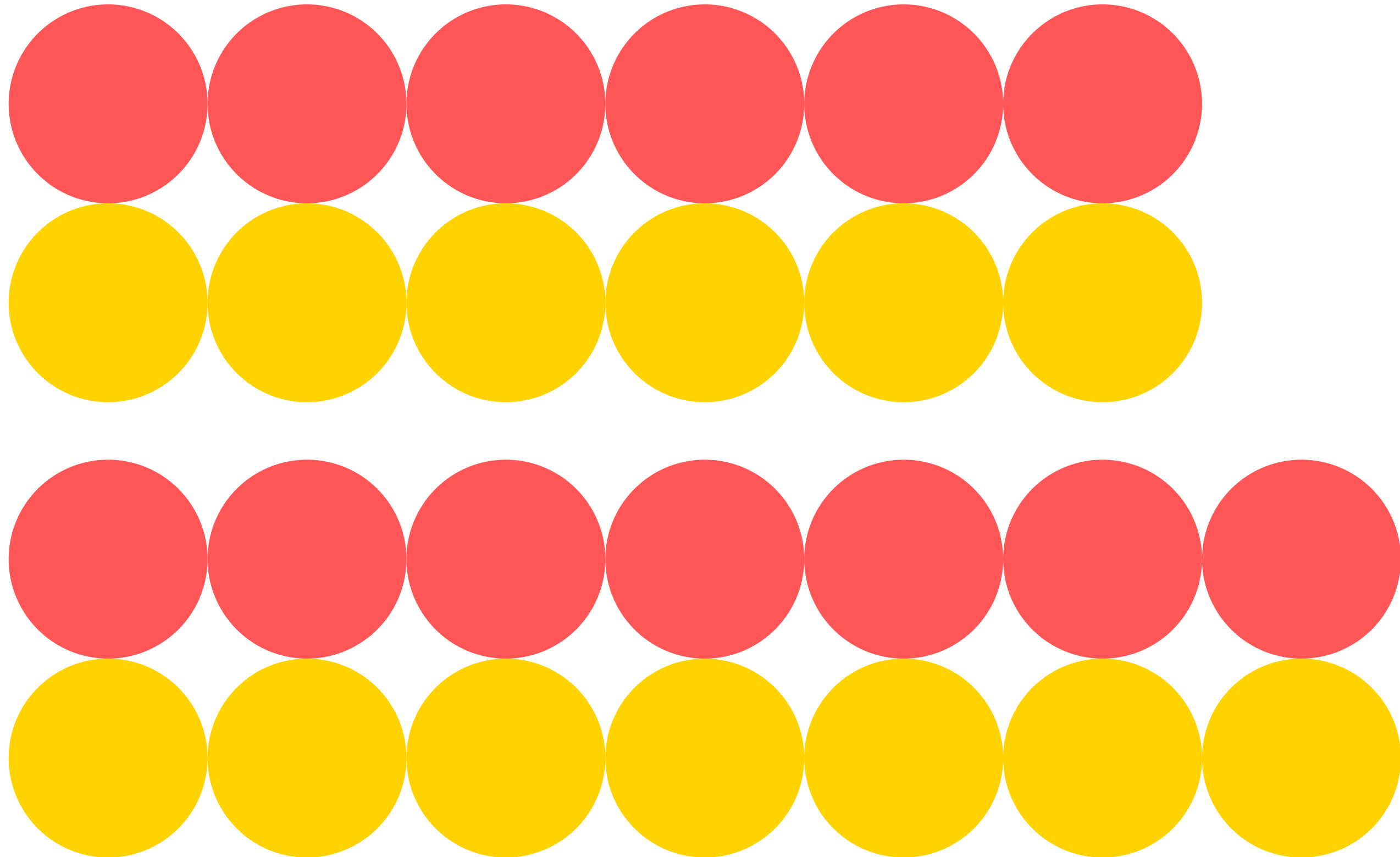




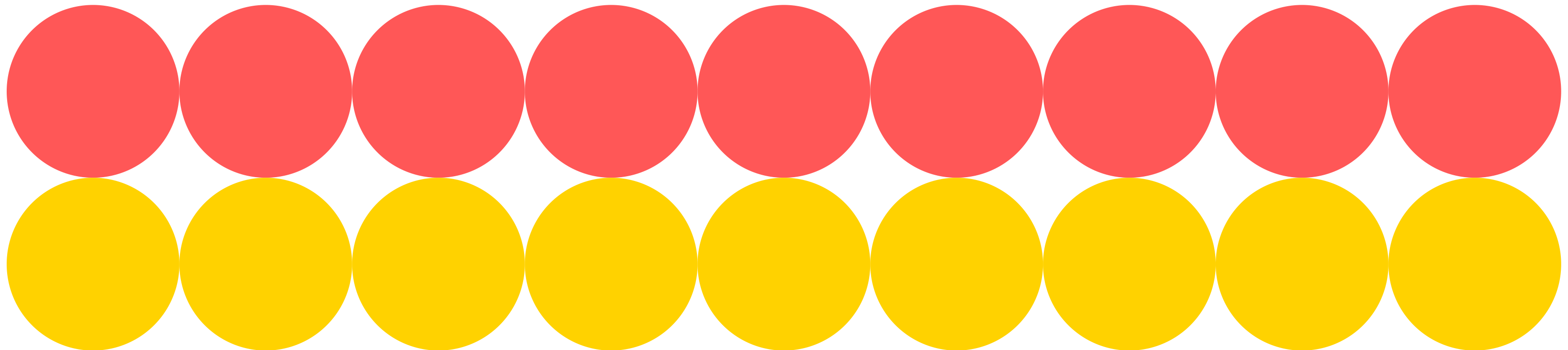
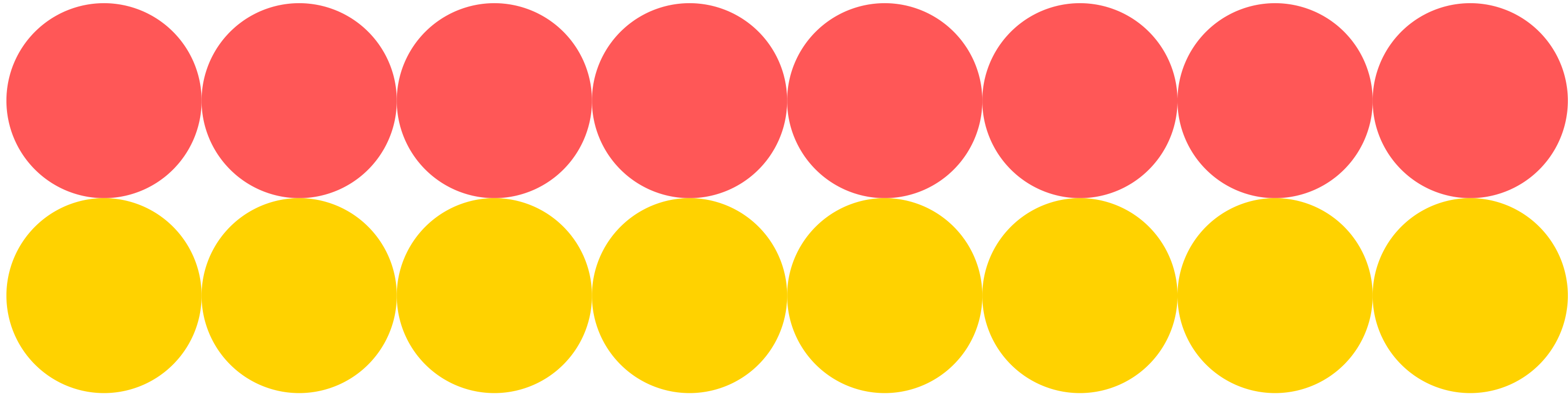
Arrays (Doubles)



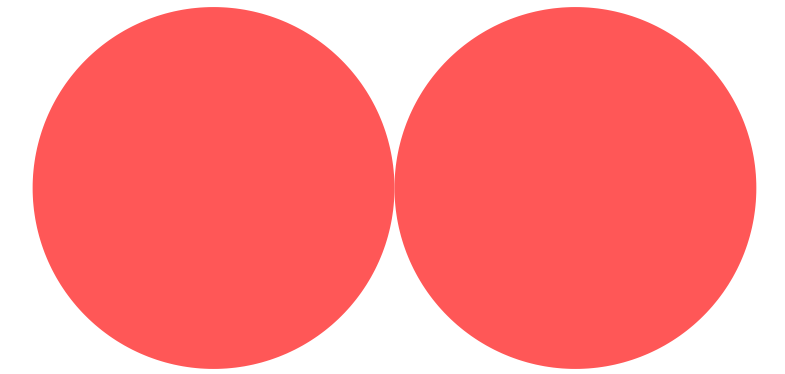
Arrays (Doubles/halves)



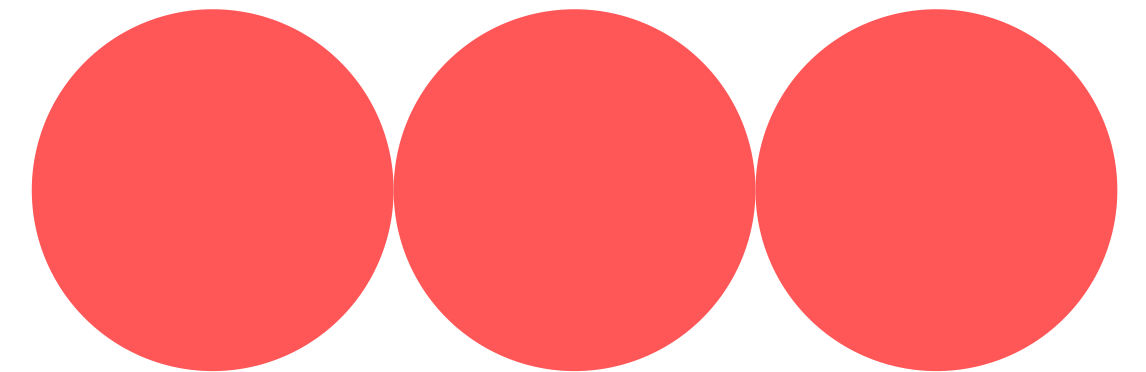
Arrays (Doubles/halves)



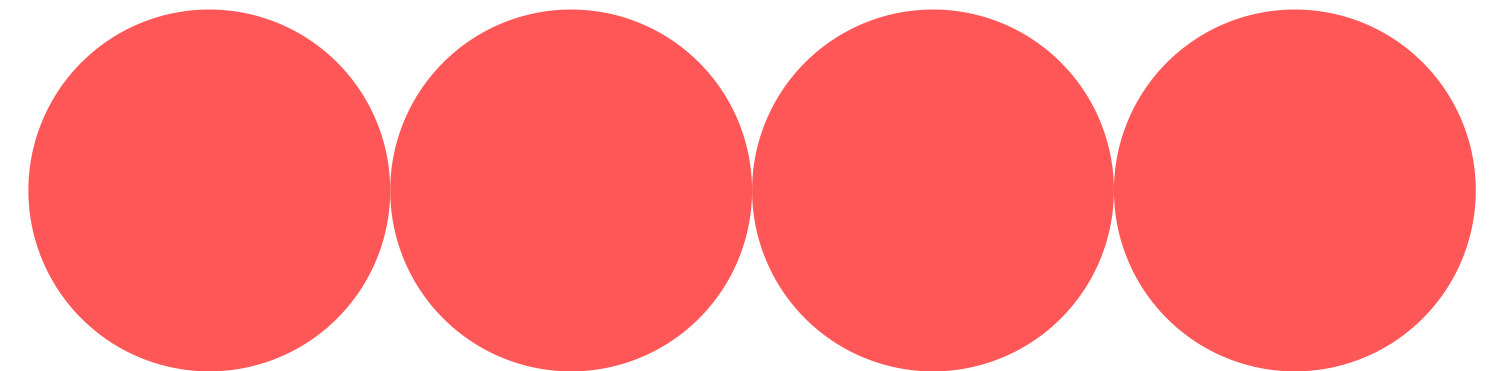
One group of 2



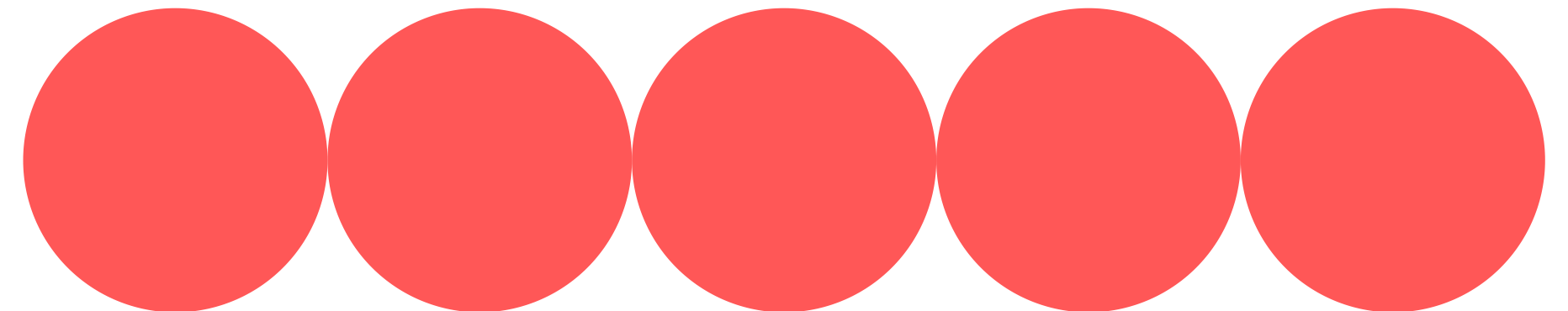
One group of 3



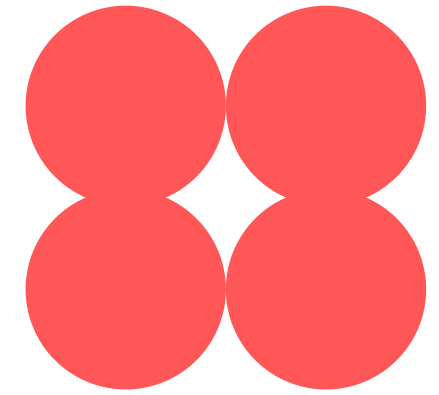
One group of 4



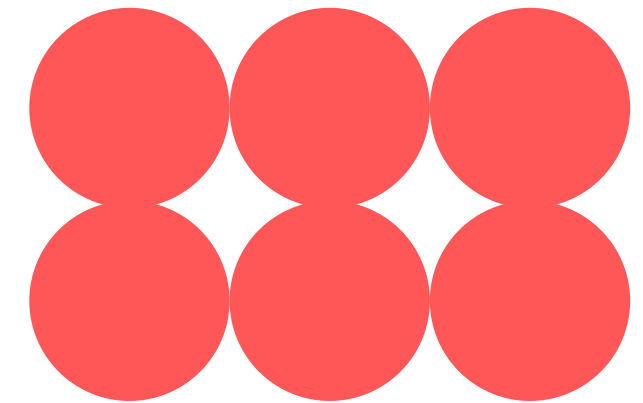
One group of 5



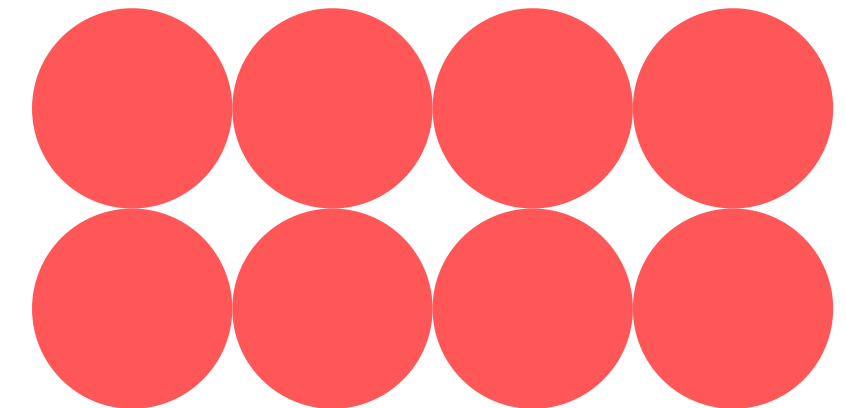
Two group of 2



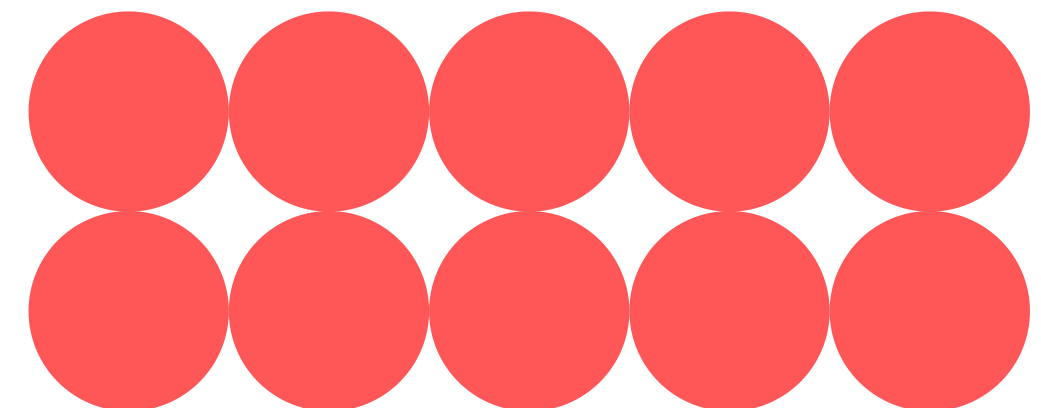
Two group of 3

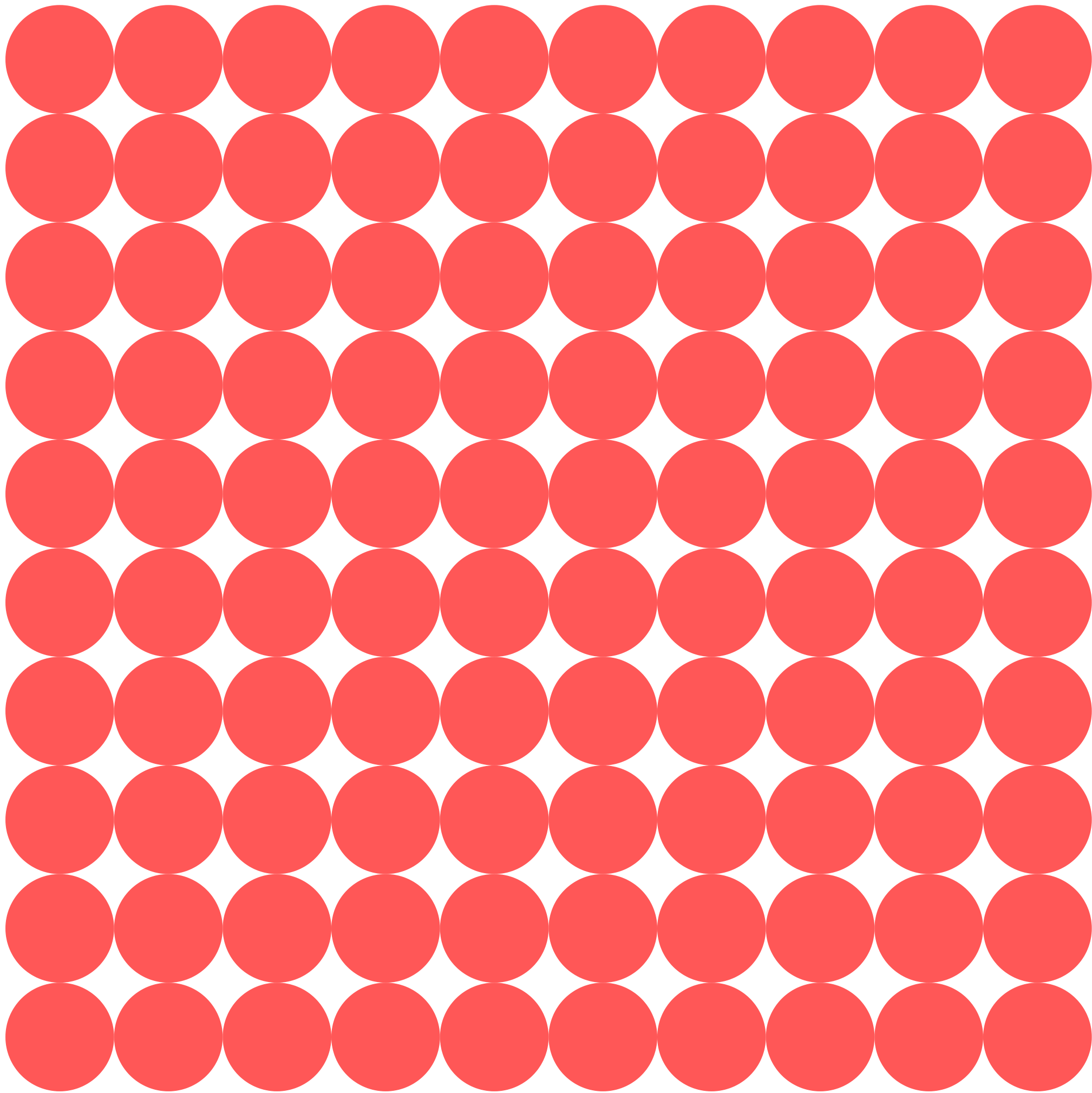


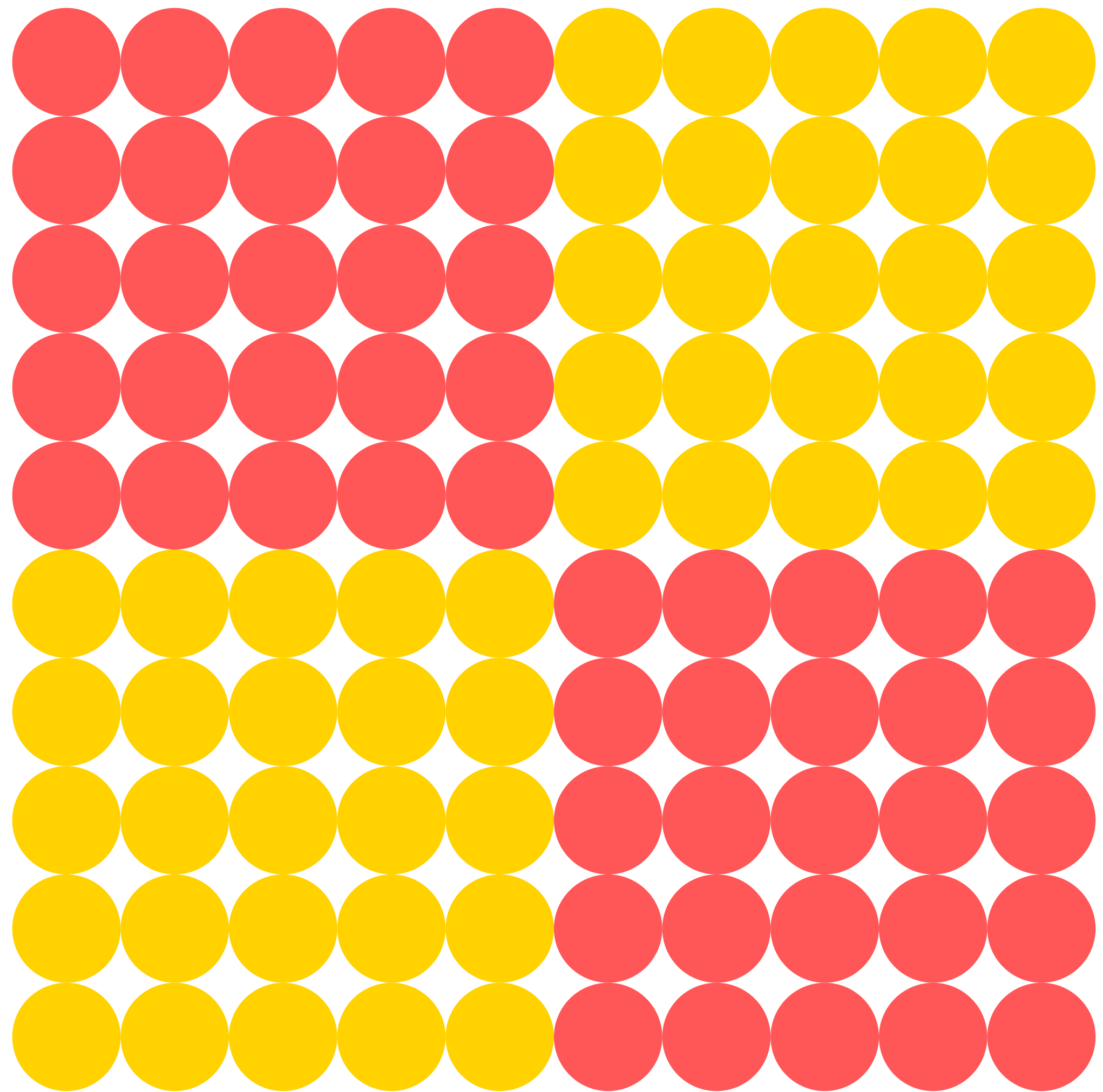
Two group of 4

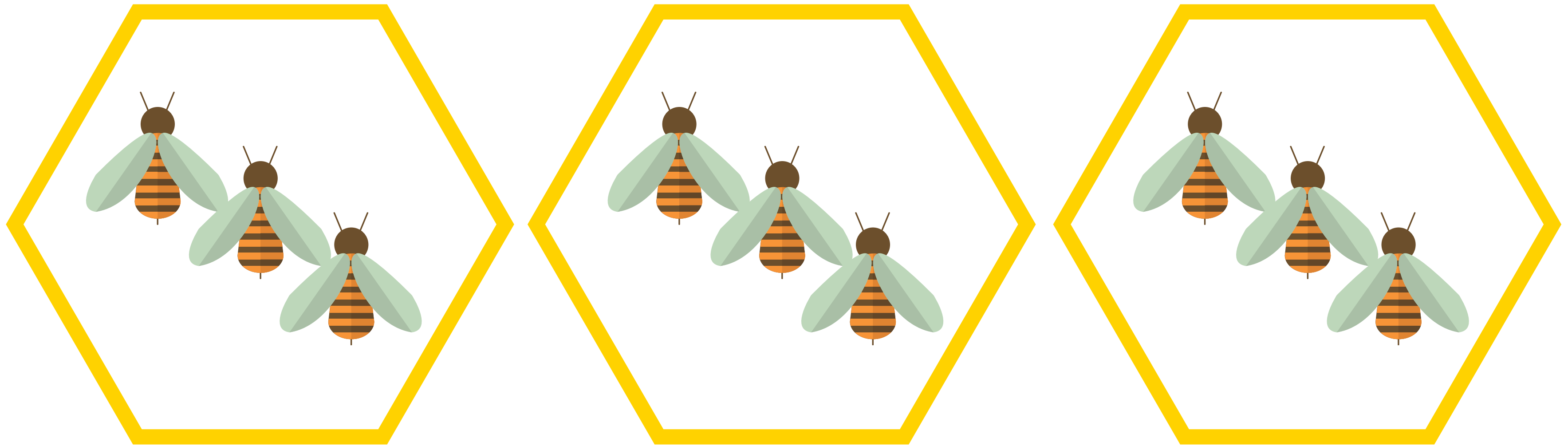


Two group of 5

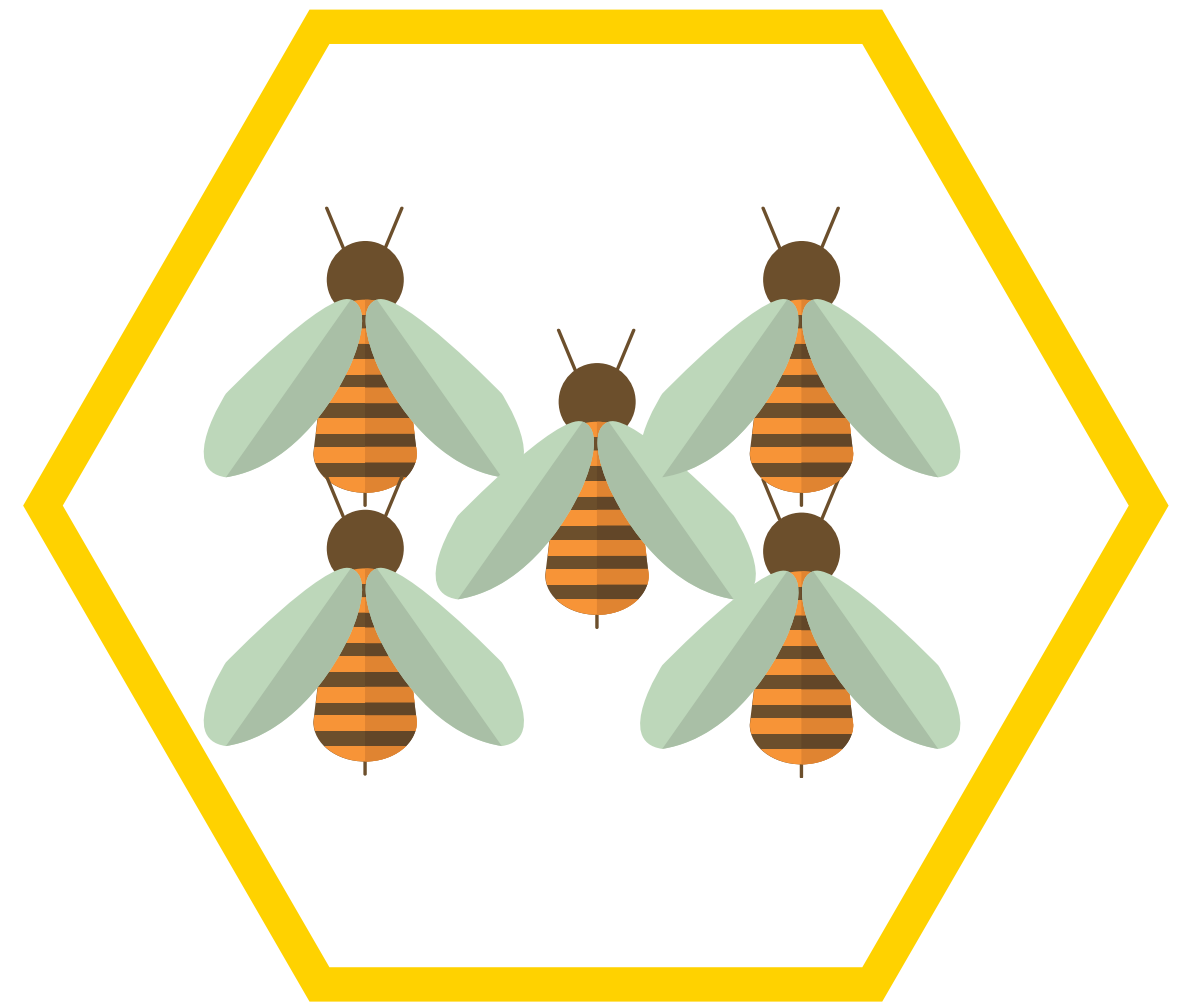
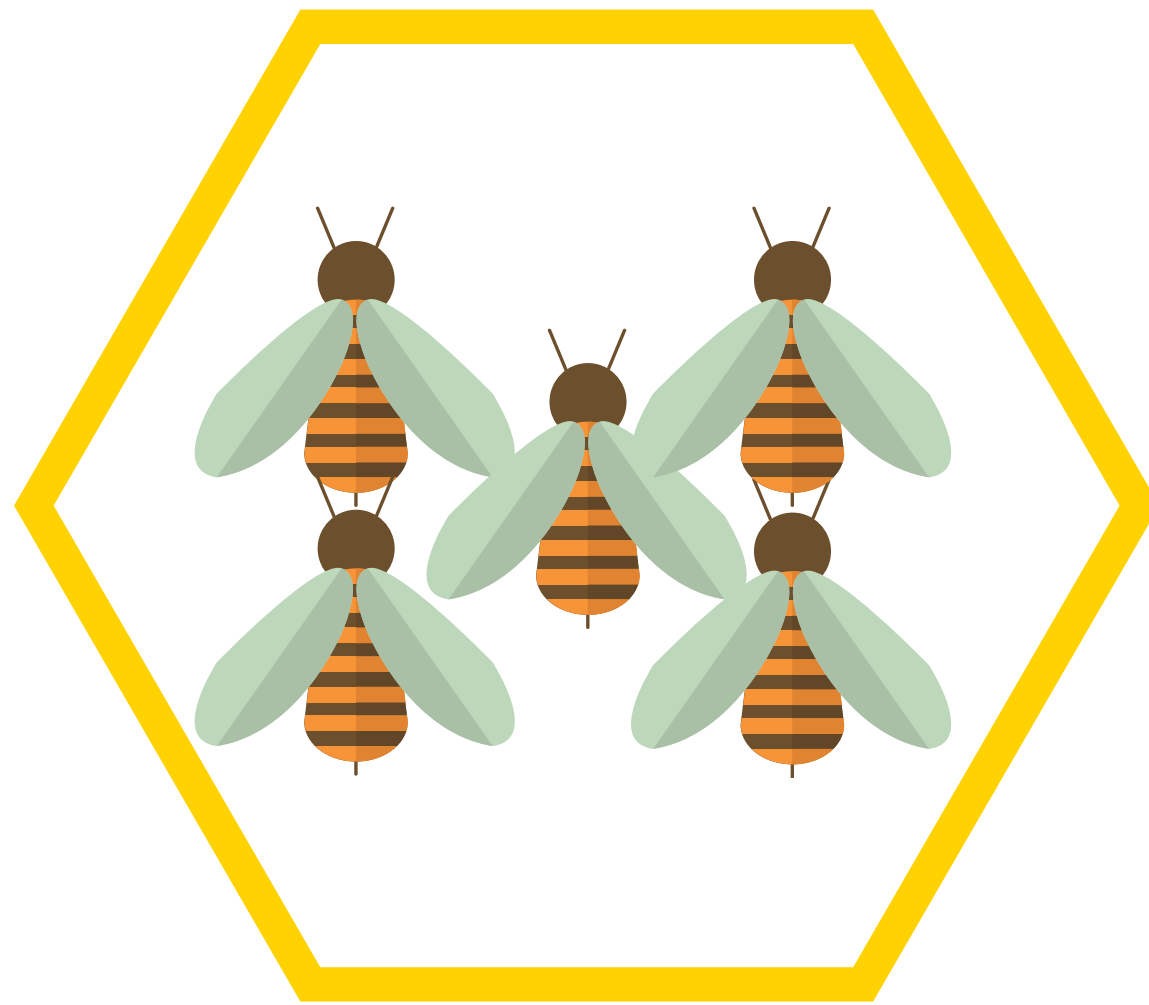
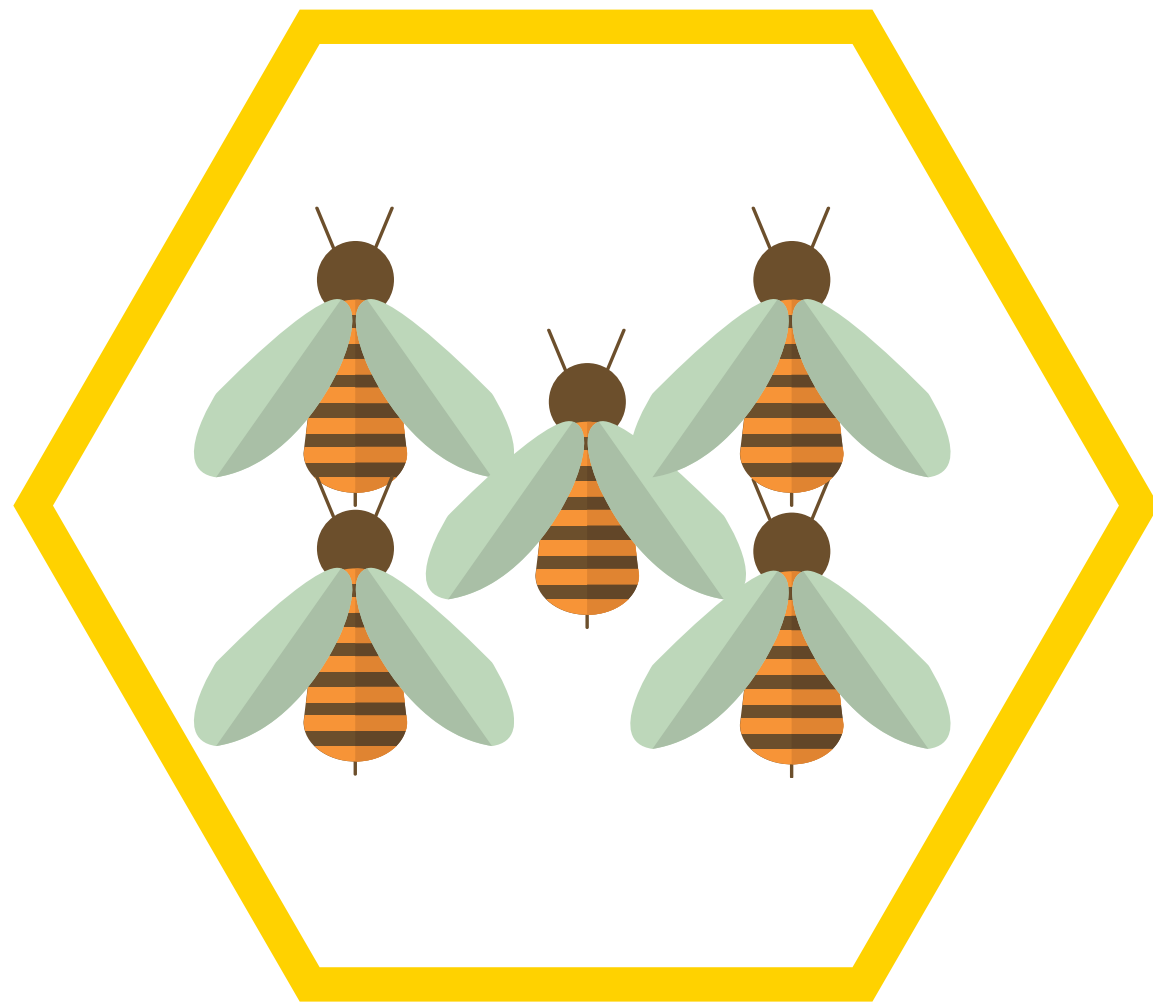




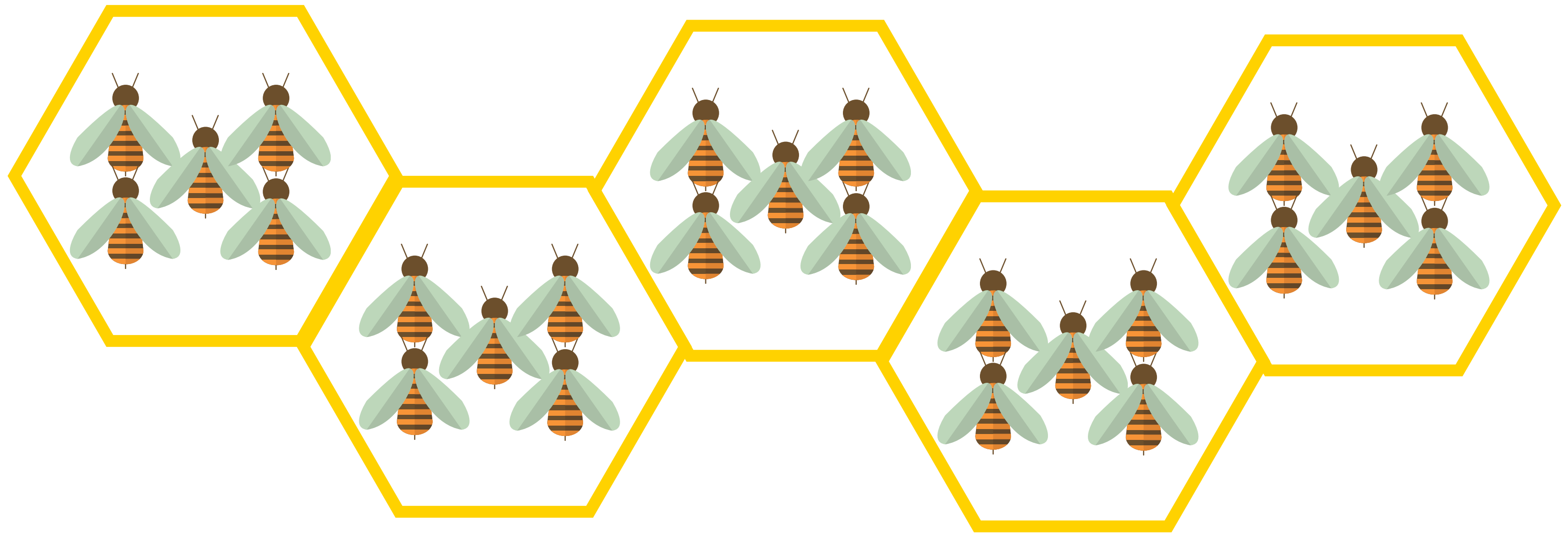




There are  equal groups of 
Each group contains  bees.



There are  equal groups of 
Each group contains  bees.



There are equal groups of
Each group contains bees.



Divide

Division

Share

Group

Odd

Even



The diagram consists of four regular hexagons with thick black outlines. Three hexagons are arranged in a horizontal row at the top, and one hexagon is positioned below the leftmost hexagon of that row. Each hexagon contains a text label in a bold, black, sans-serif font. The labels are 'Times tables' in the top-left hexagon, 'Divisor' in the top-middle hexagon, 'Dividend' in the top-right hexagon, and 'Quotient' in the bottom-left hexagon.

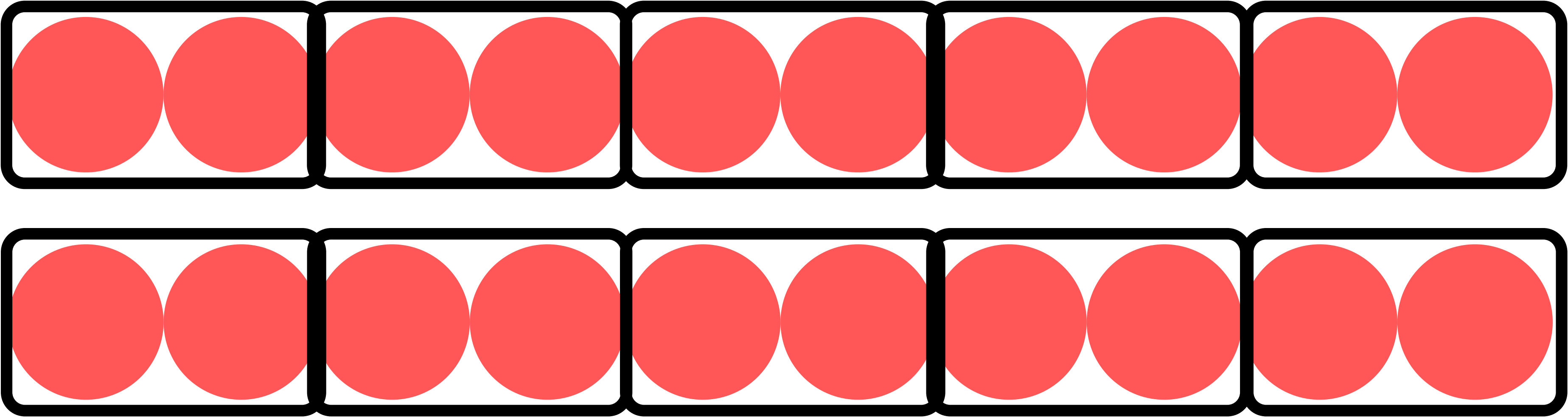
**Times
tables**

Divisor

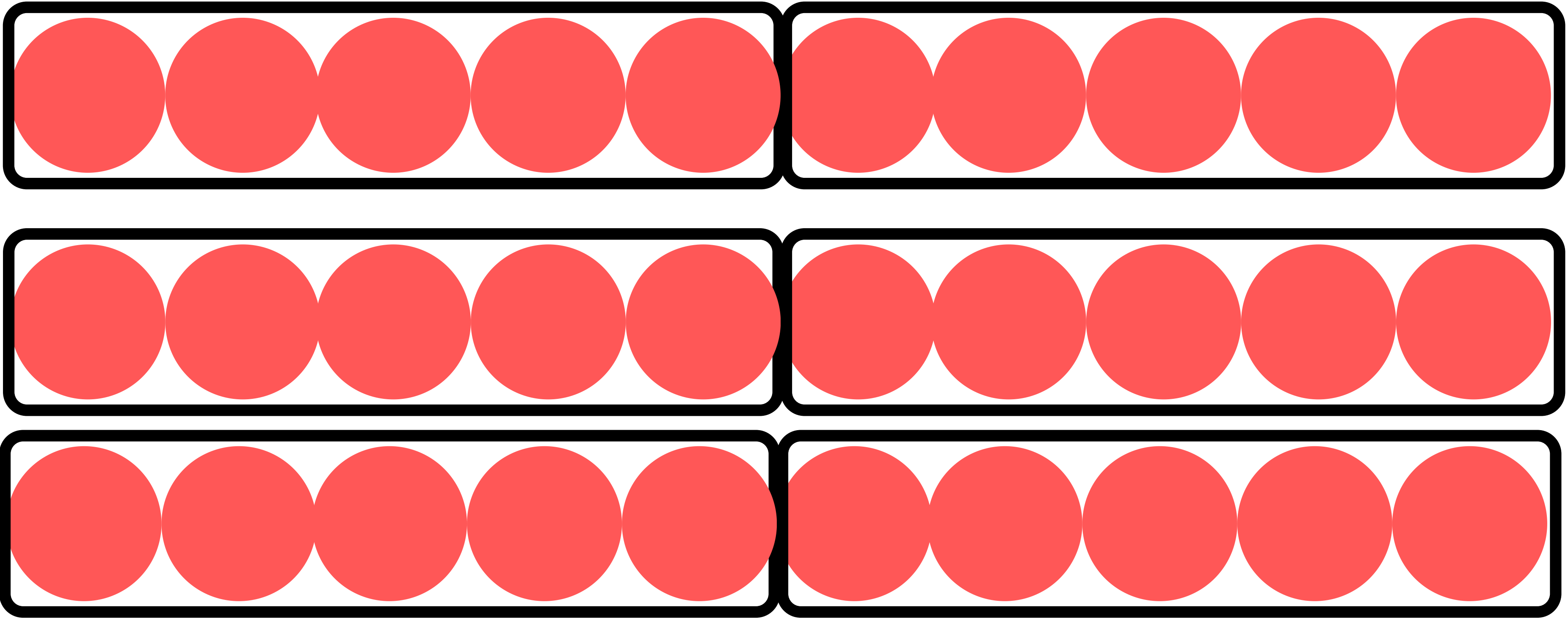
Dividend

Quotient

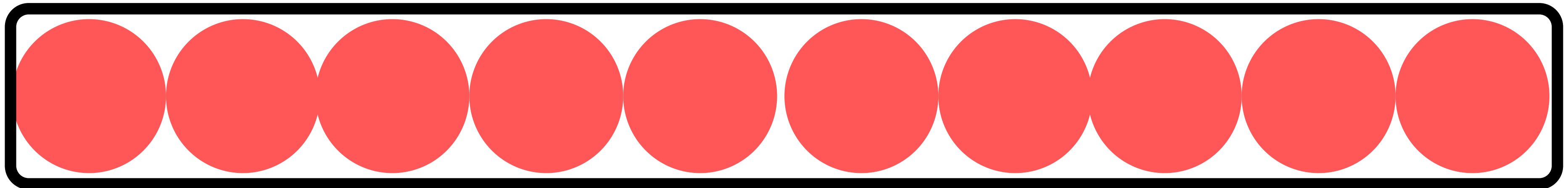
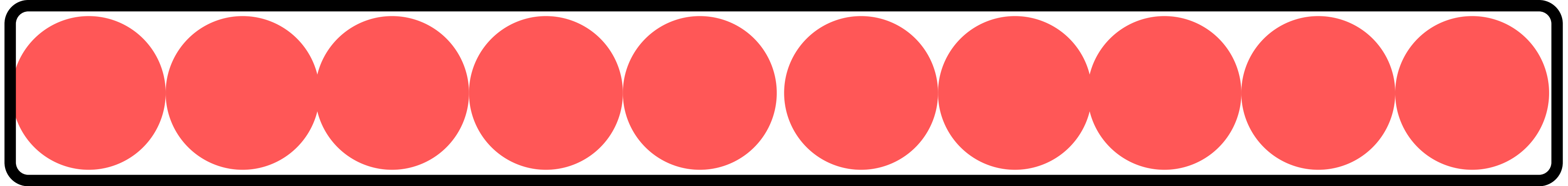
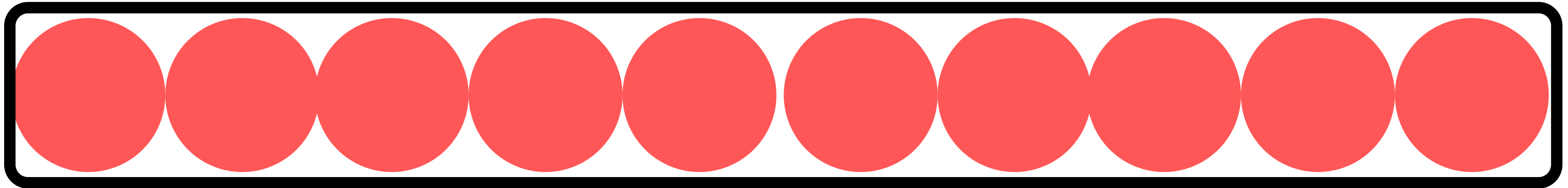
Groups of 2



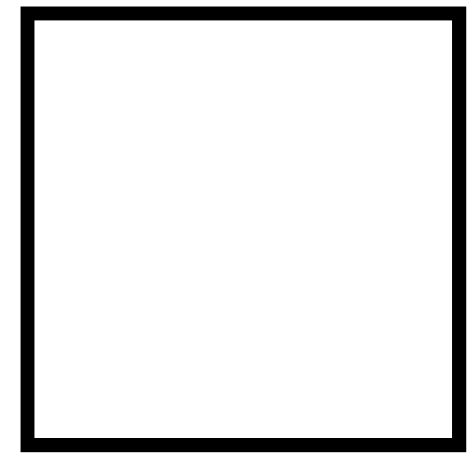
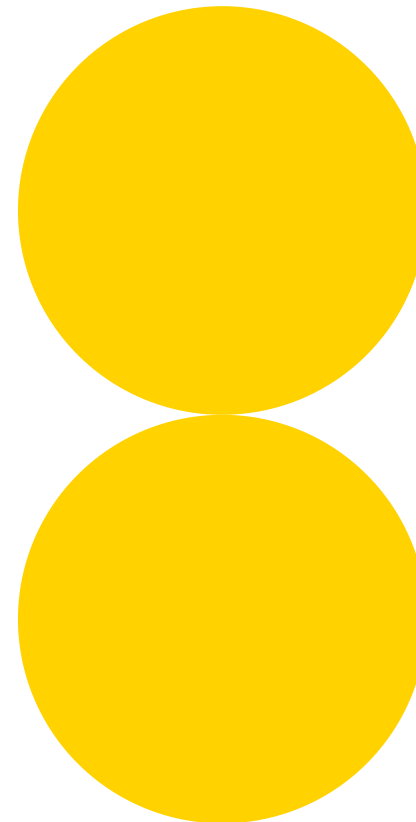
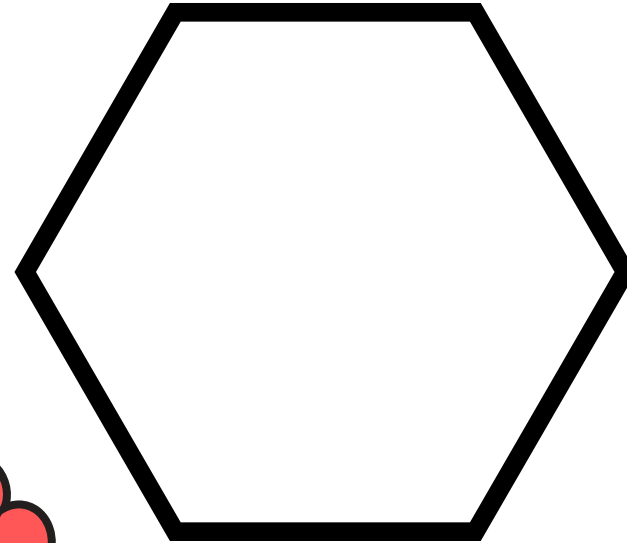
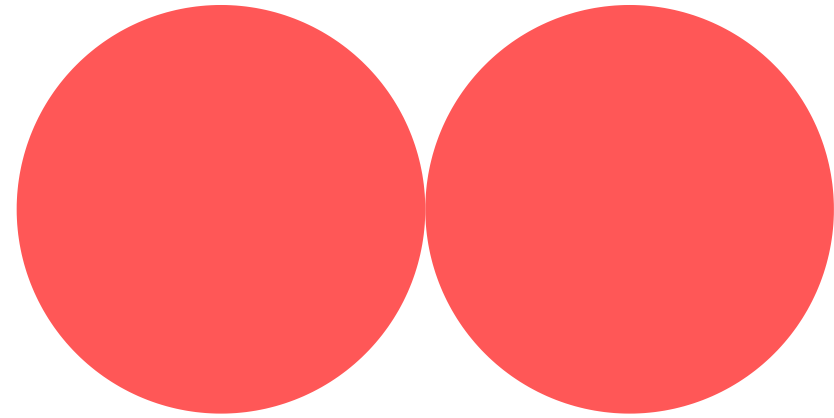
Groups of 5



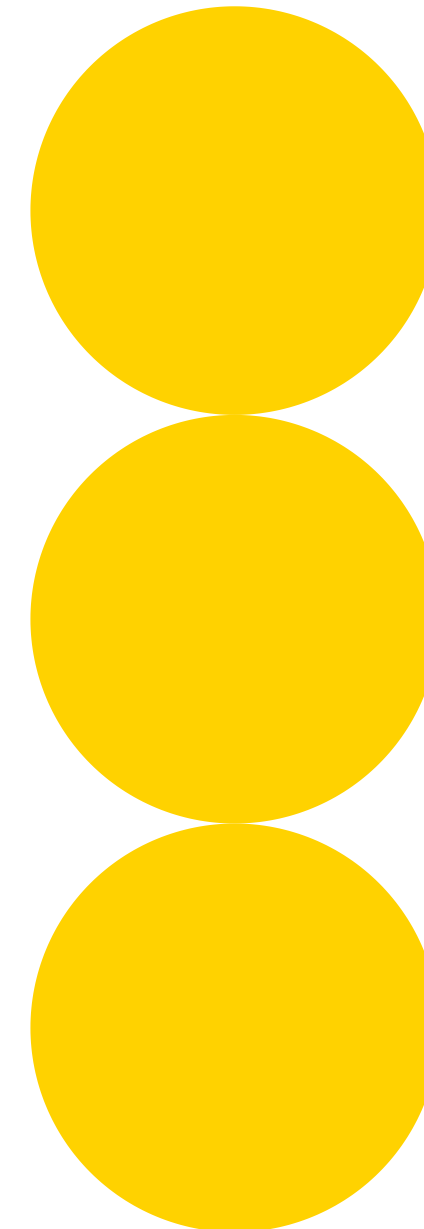
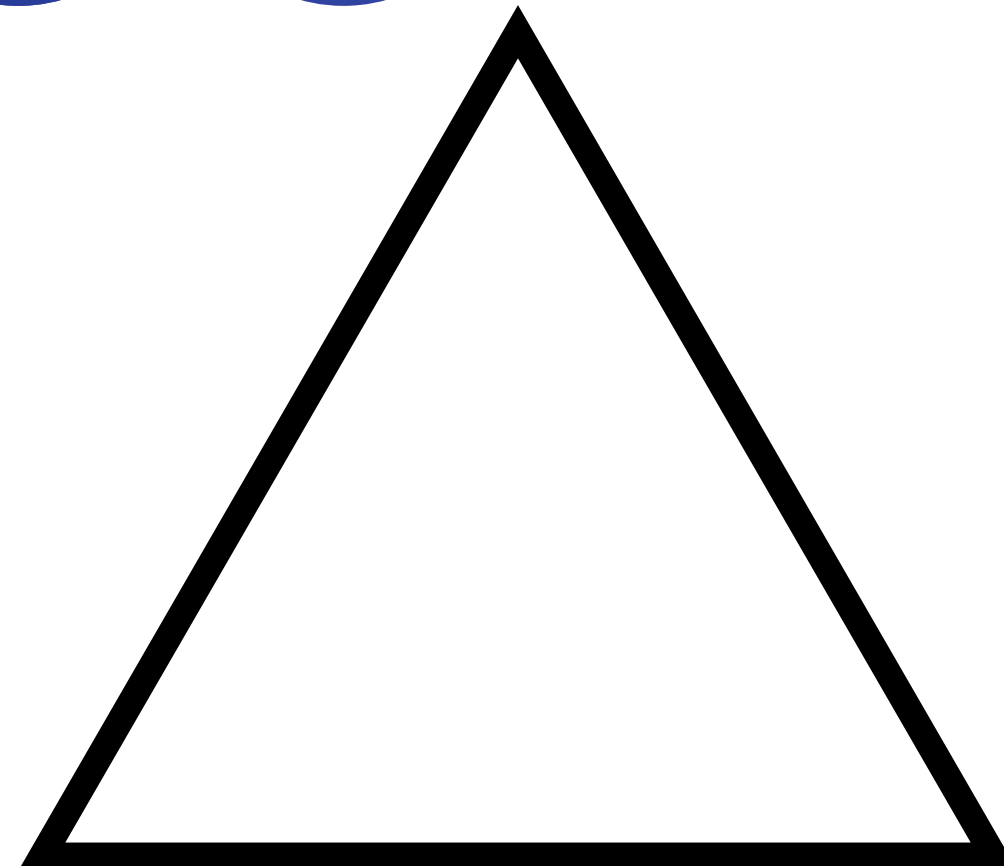
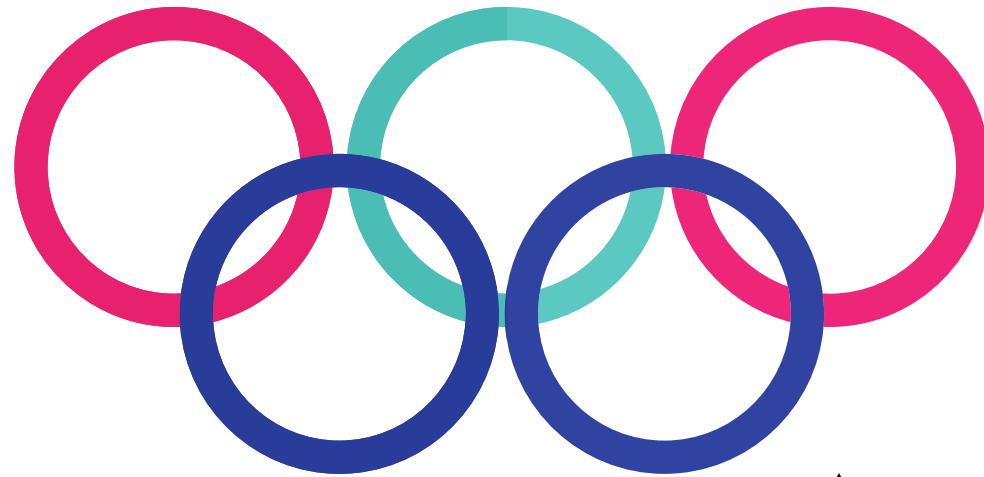
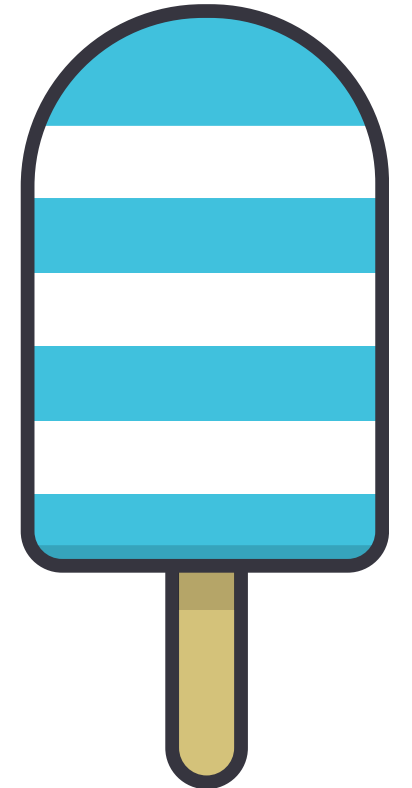
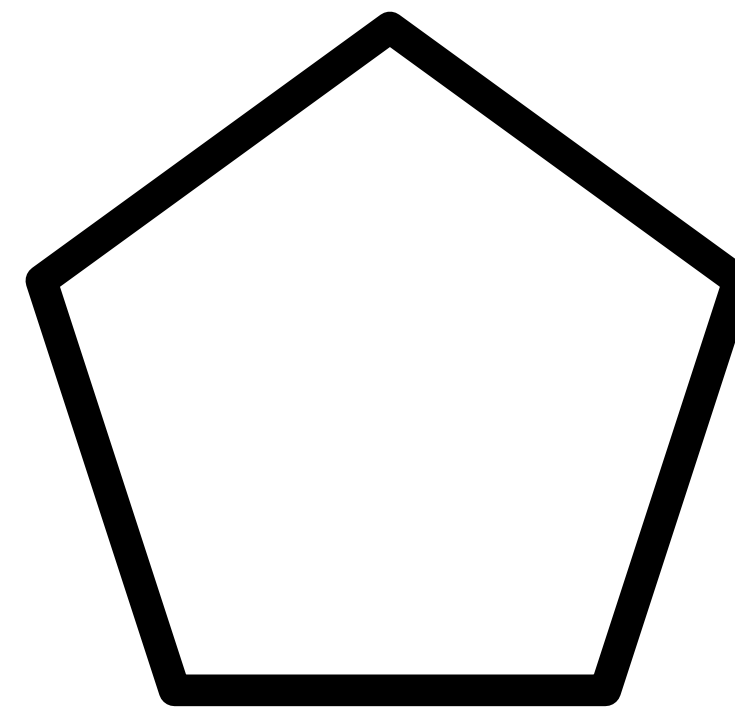
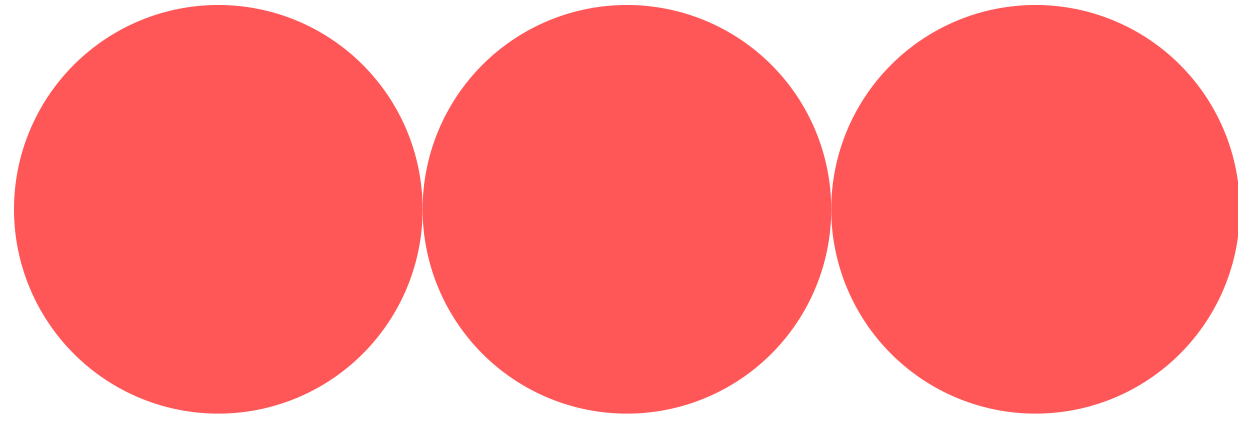
Groups of 10

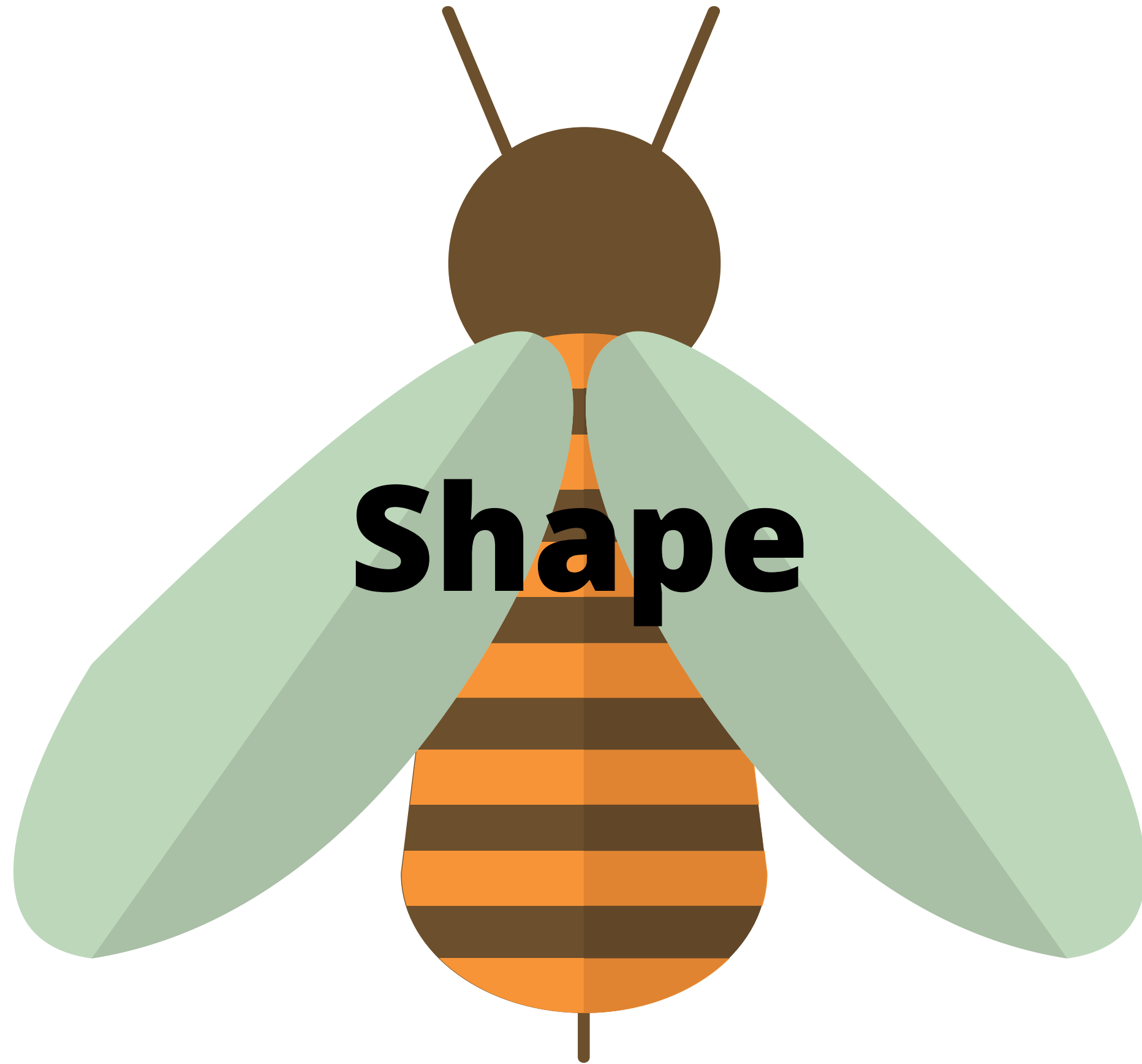


Even



Odd







3D shape

2D shape

Cube

Cuboid

Sphere

Pyramid



Cylinder

Cone

Circle

Triangle

Rectangle

Square

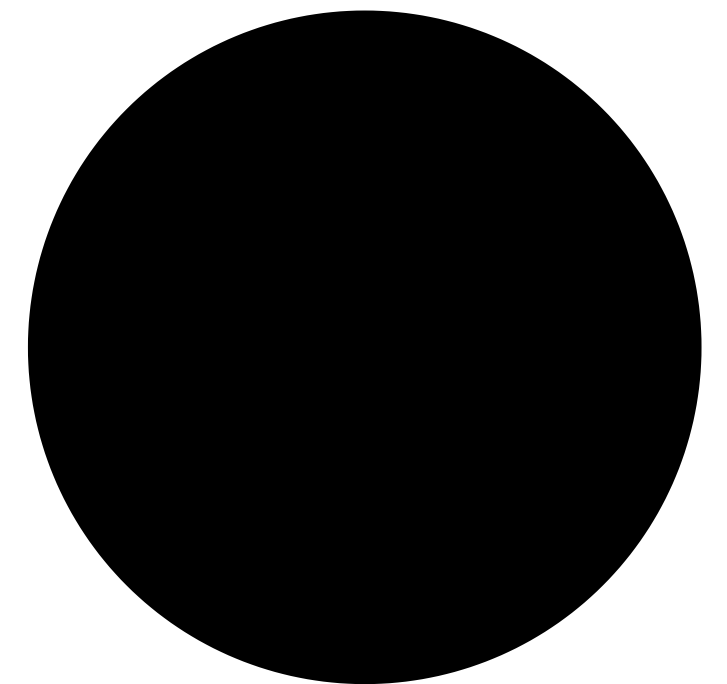
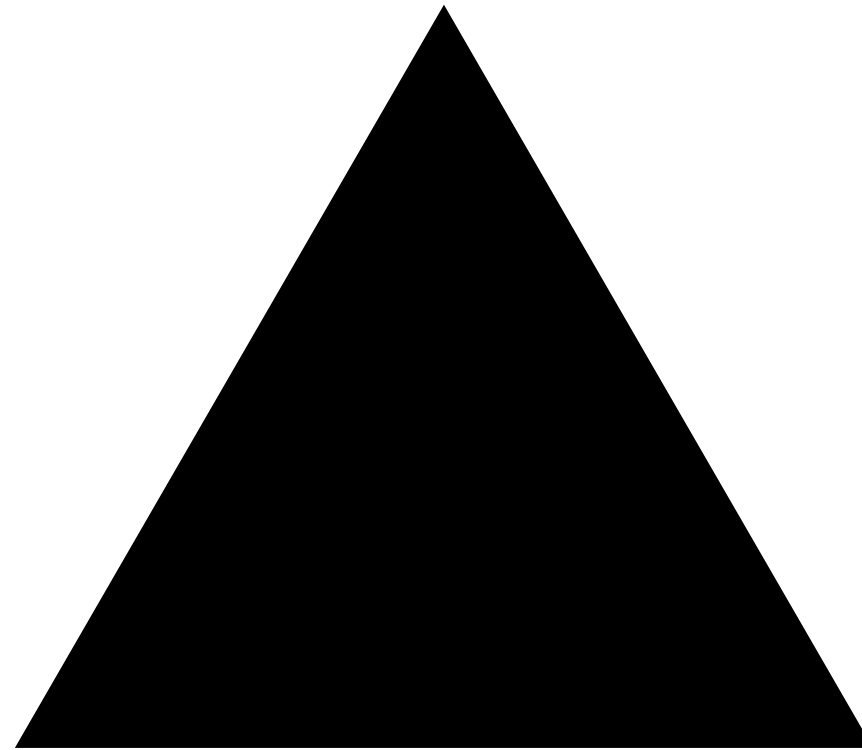
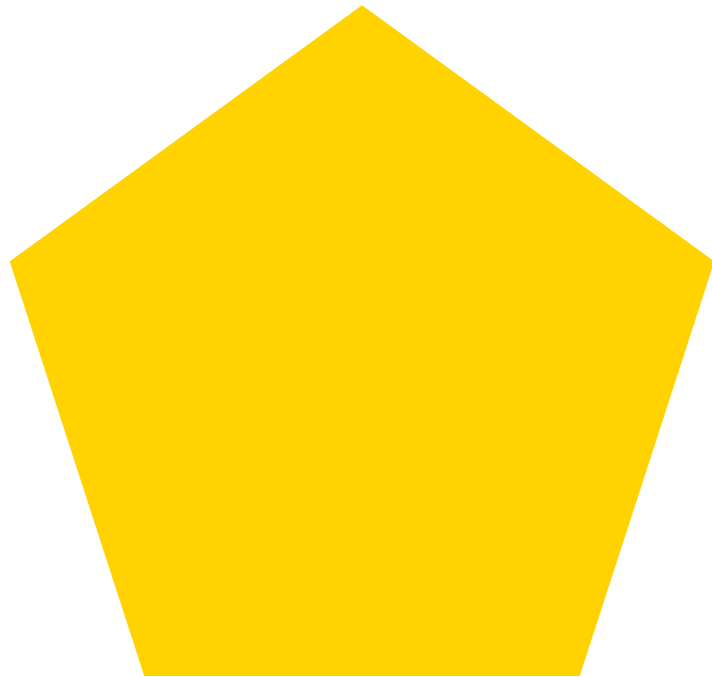
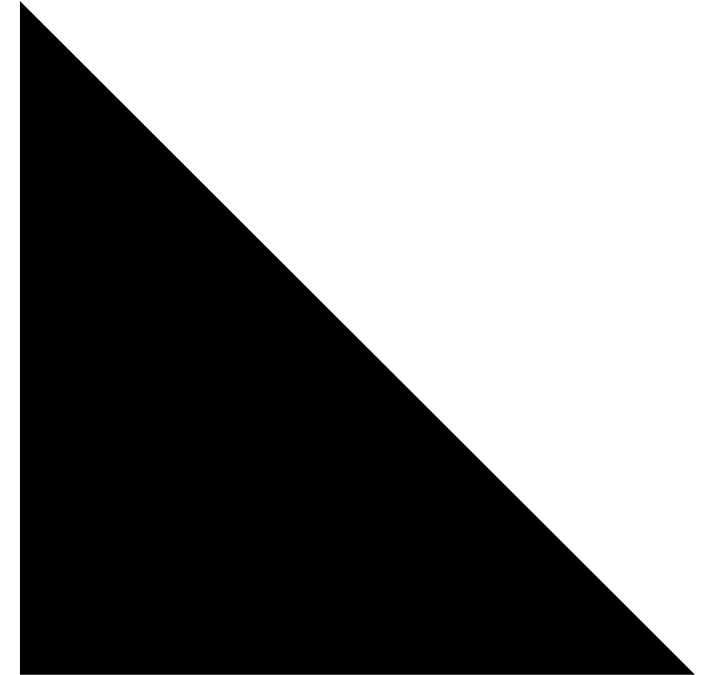
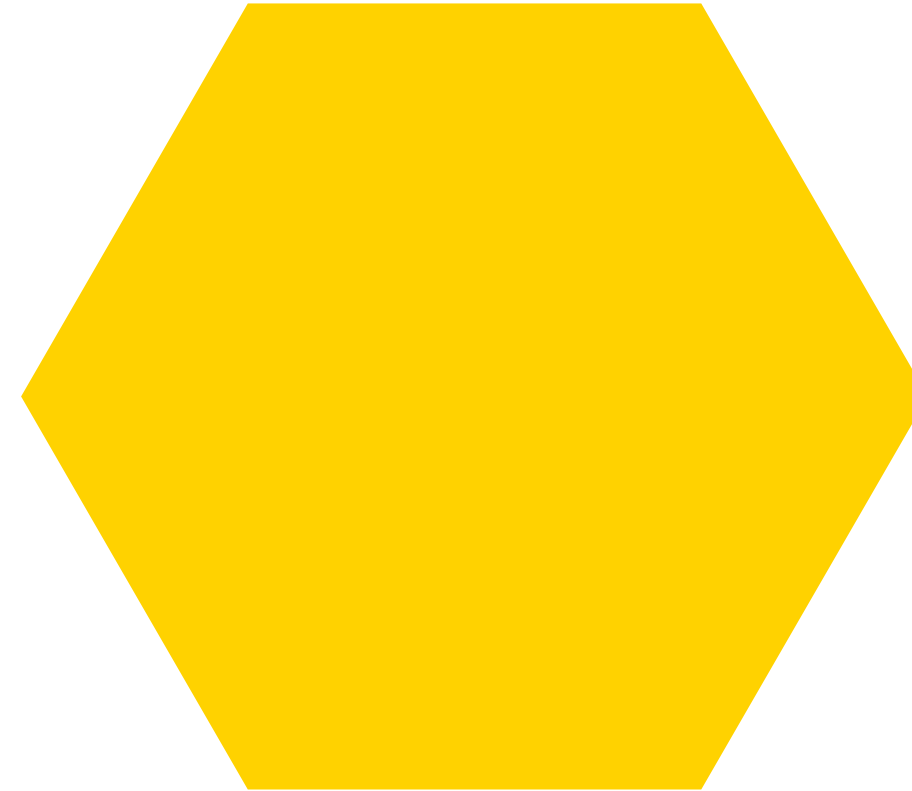
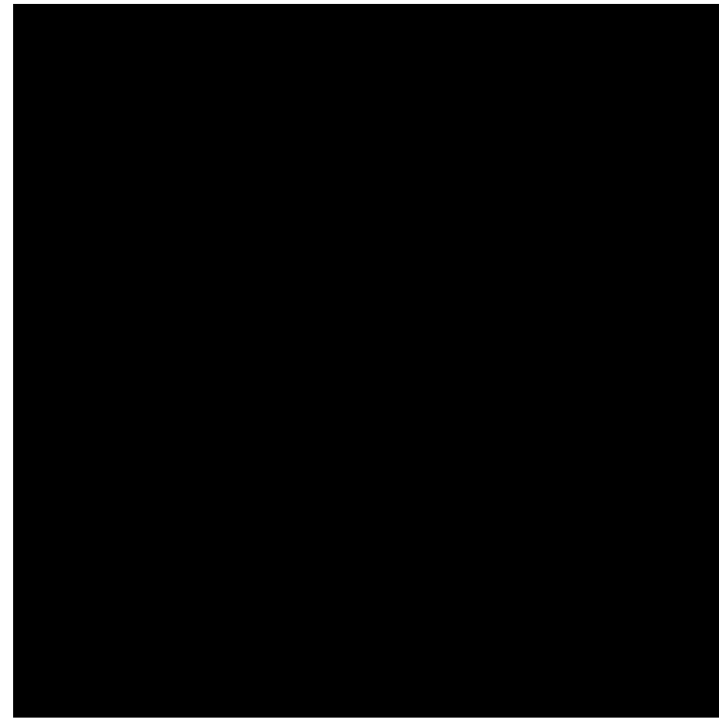
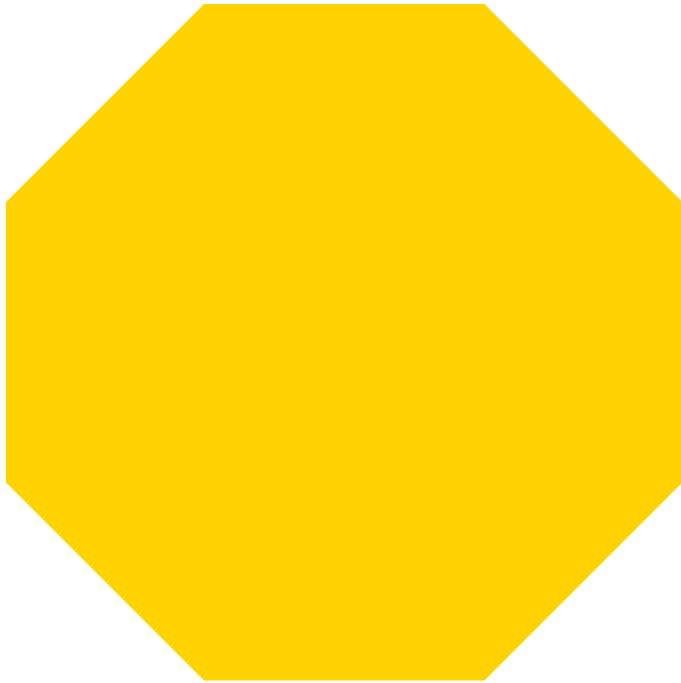


Faces

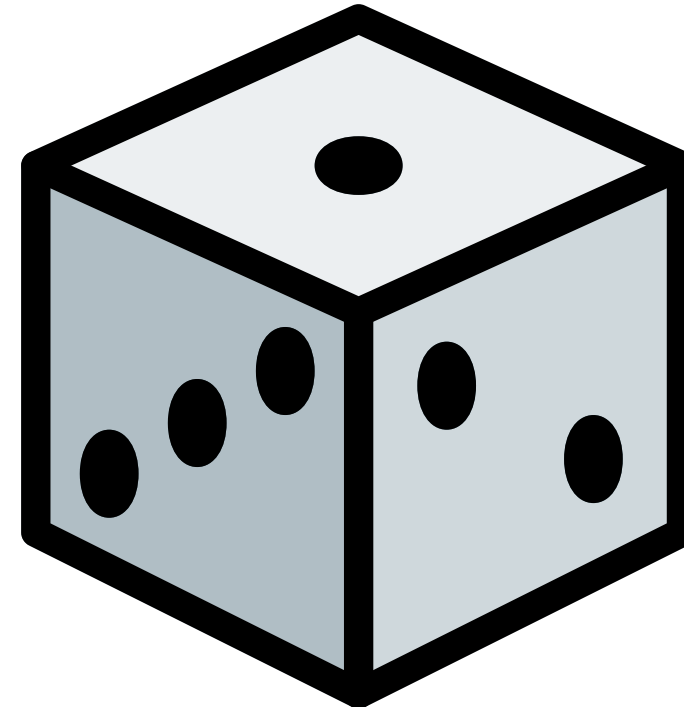
Pattern

Repeat

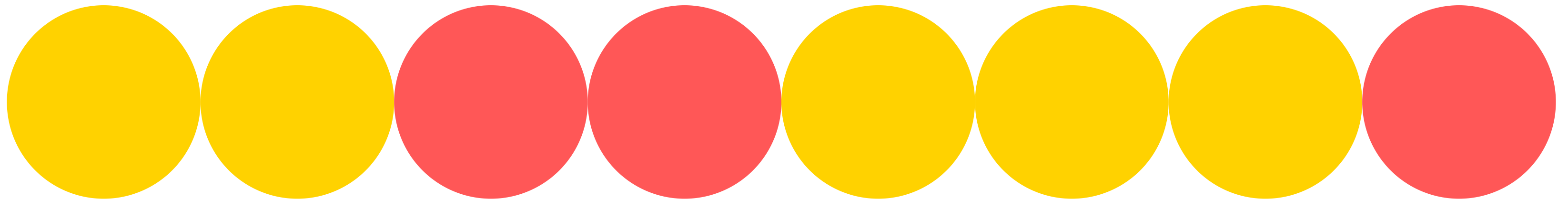
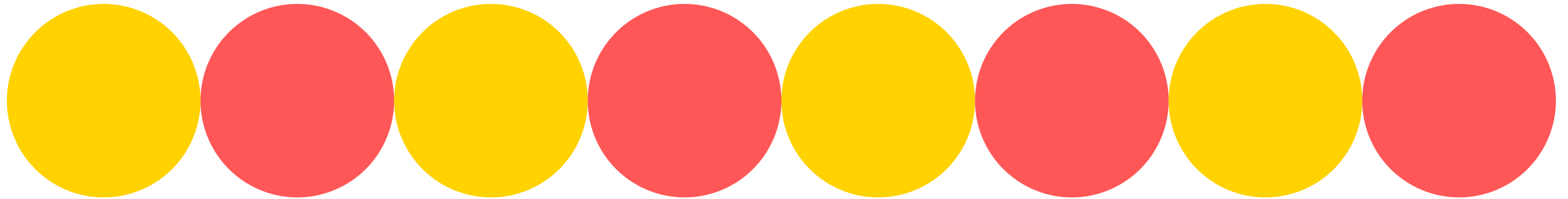
Name the shapes



Name the shapes



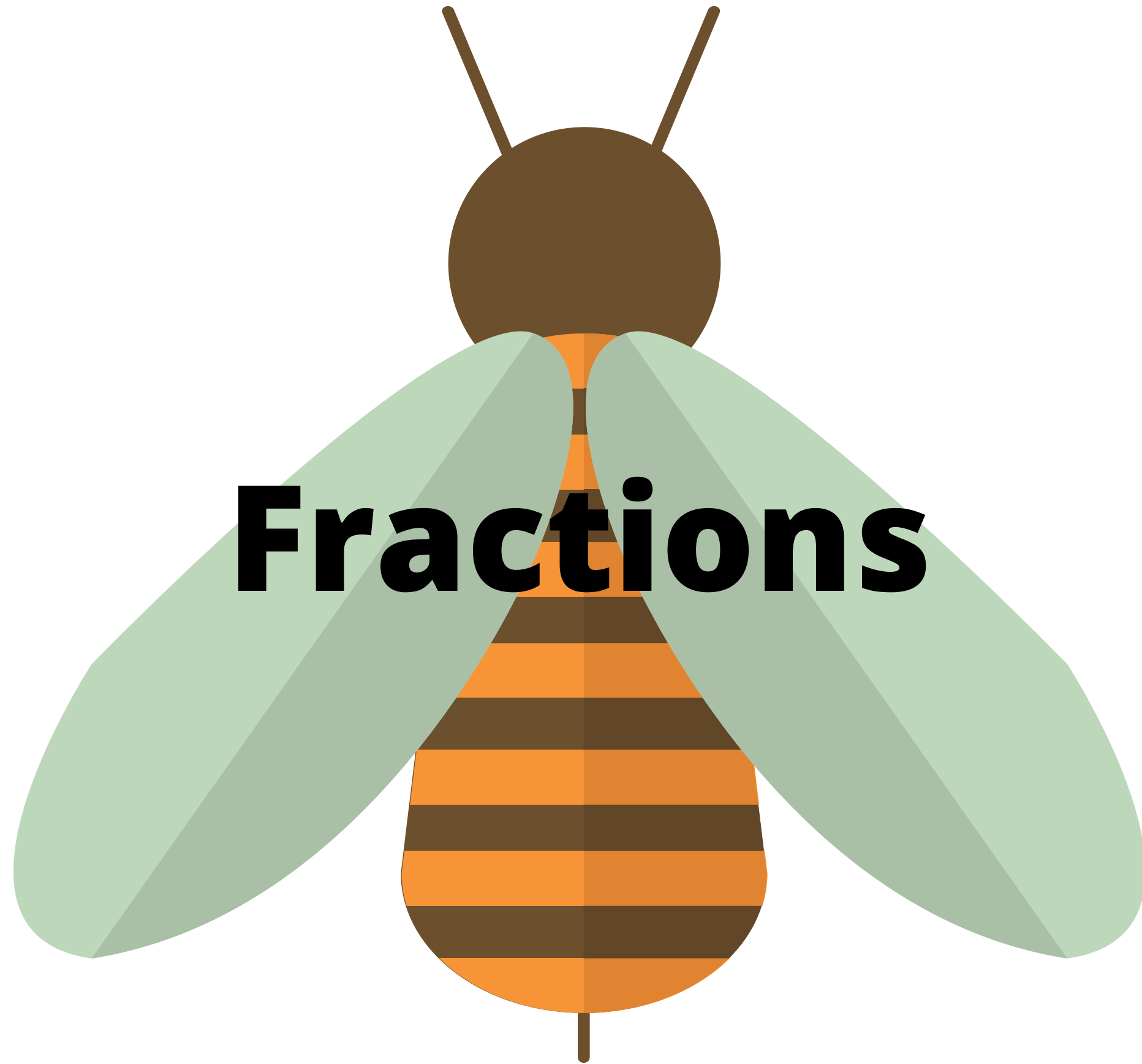
Patterns





Patterns







Part

Whole

Half

Quarter

Third

Fraction



Equal part

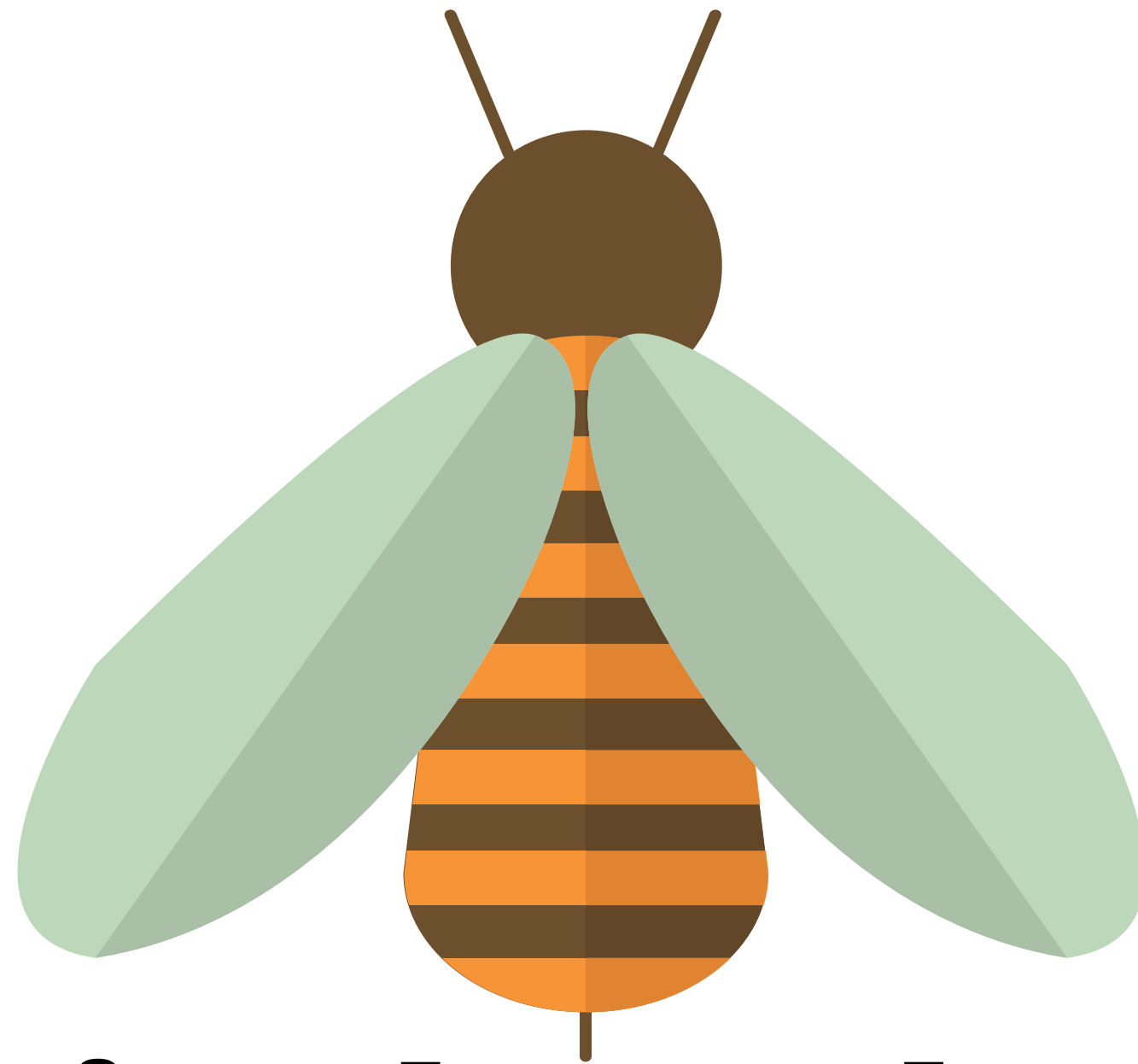
Division bar

Numerator

Denominator

**Unit
fraction**

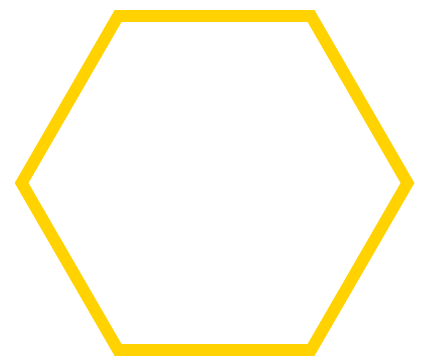
**Non-unit
fraction**



If the bee is the whole, then
 **is part of the whole.**

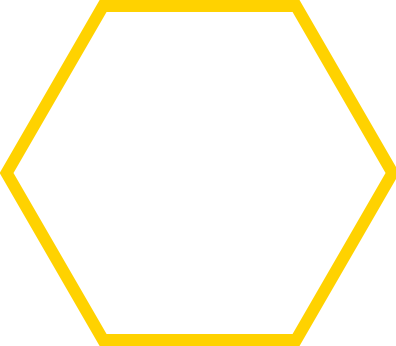


If the bus is the whole, then

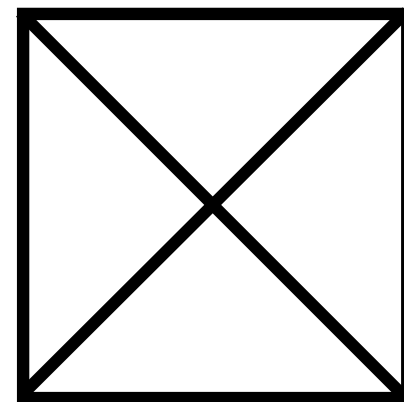
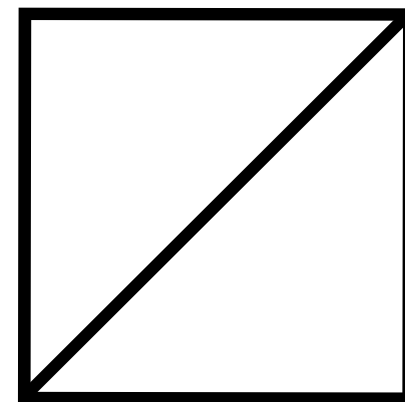
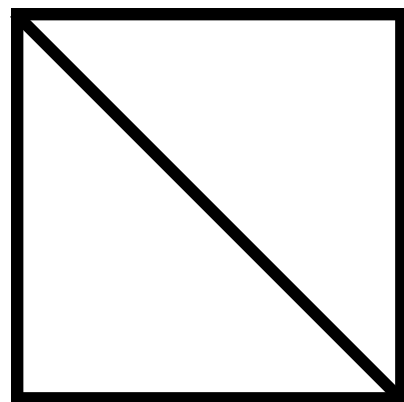
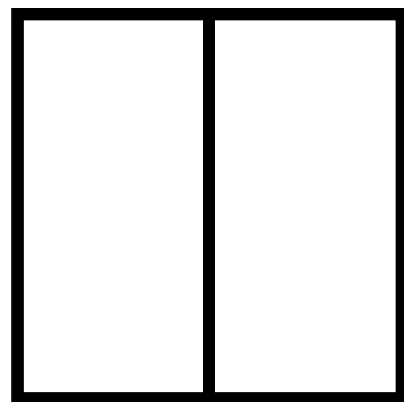
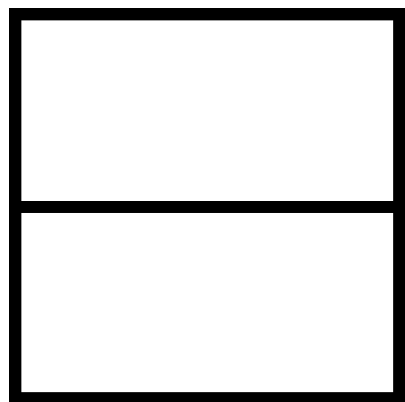
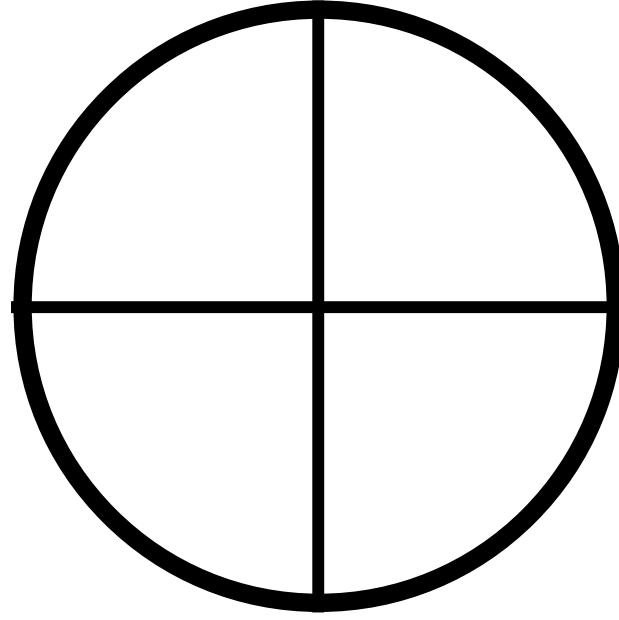
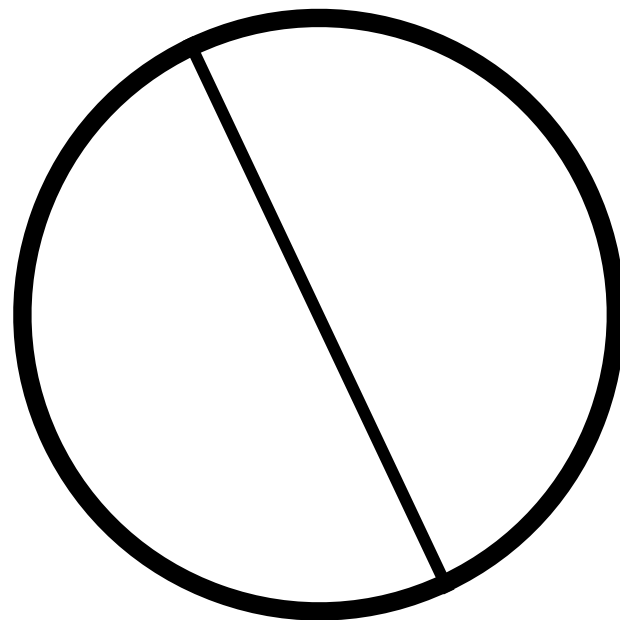
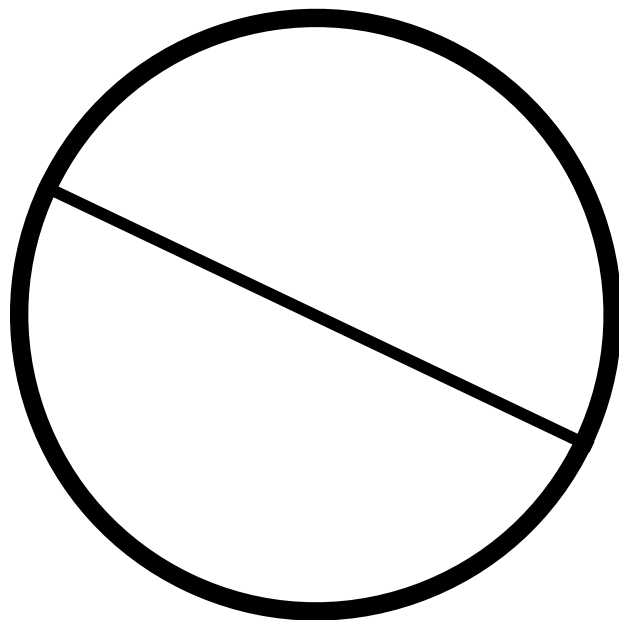
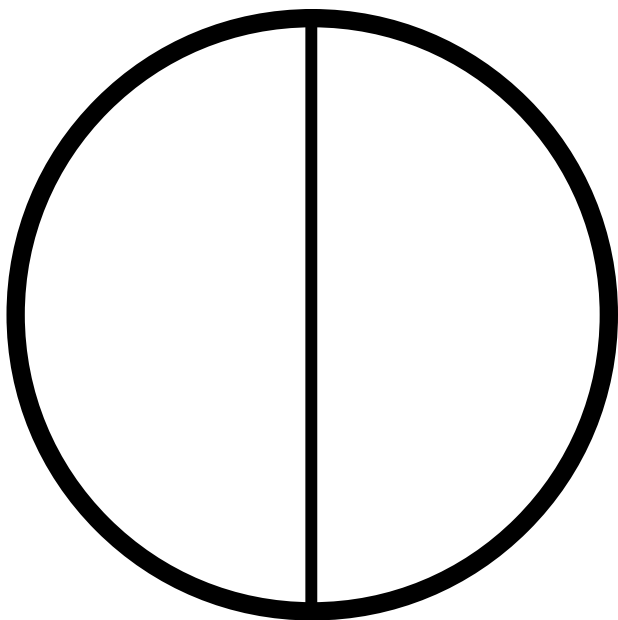
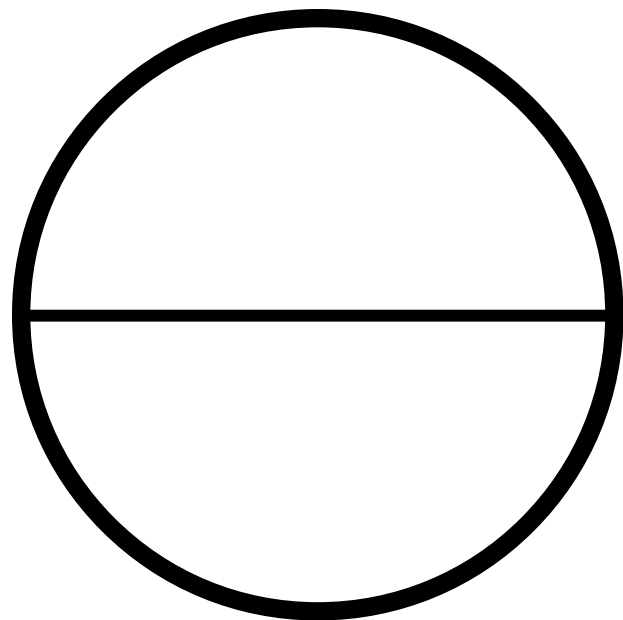


is part of the whole.

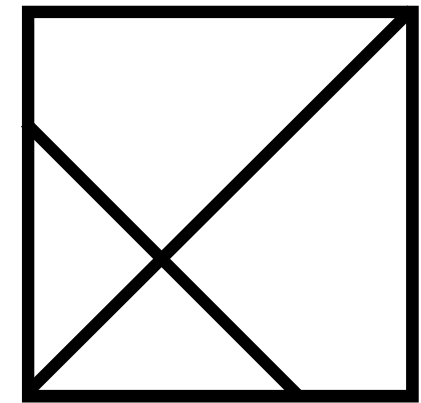
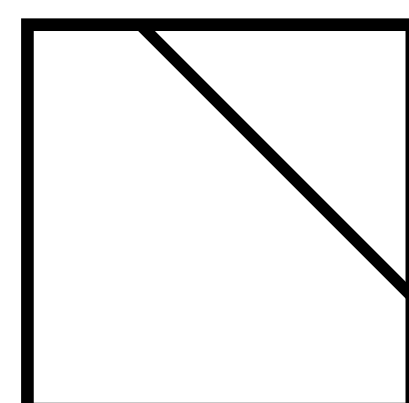
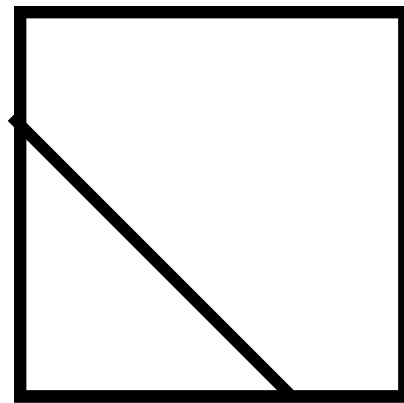
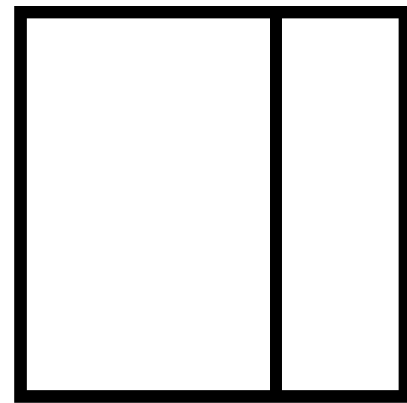
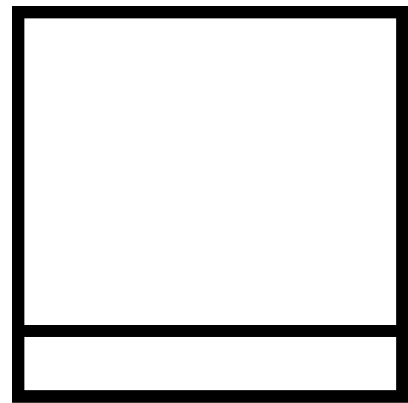
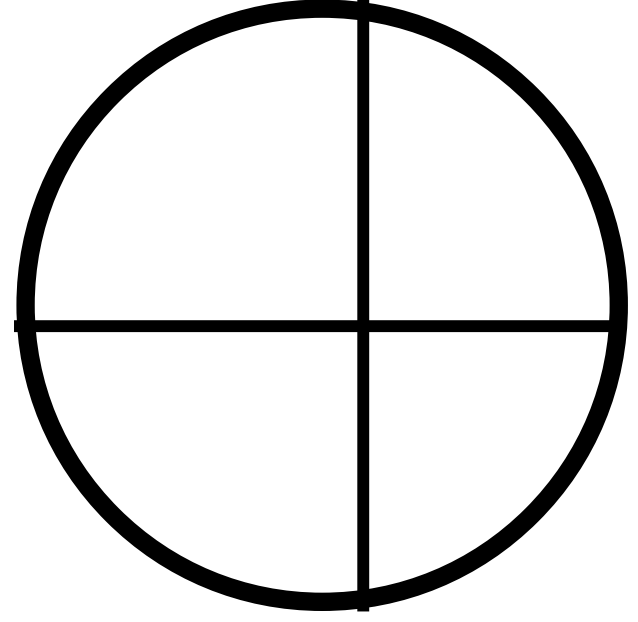
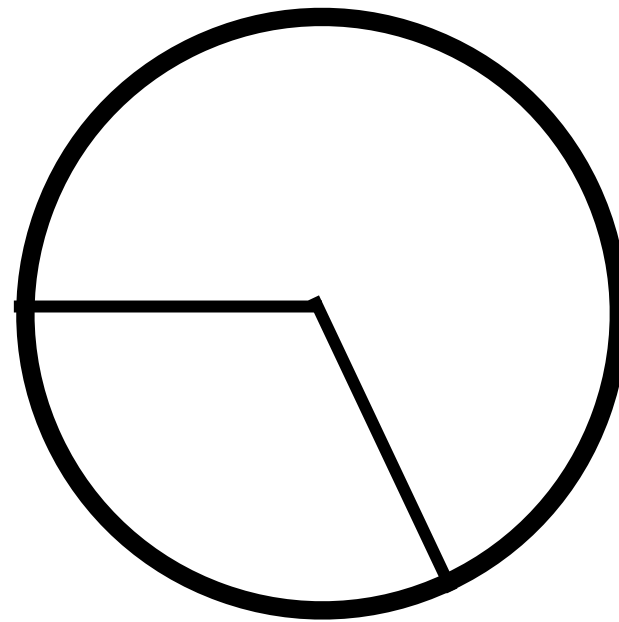
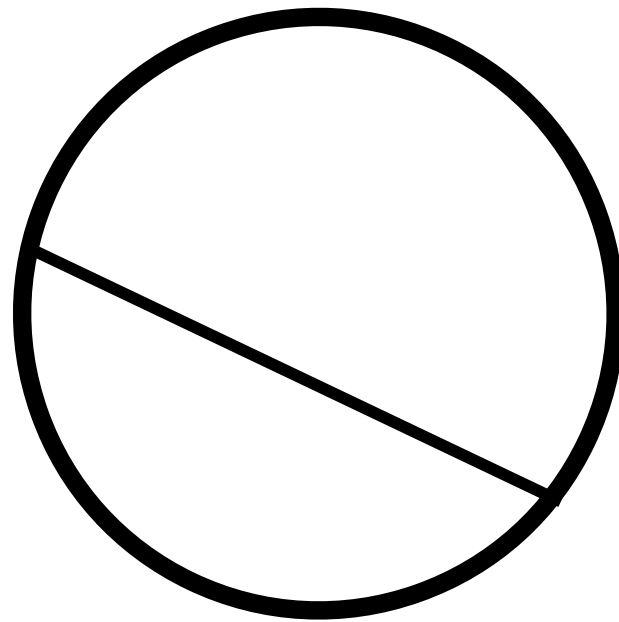
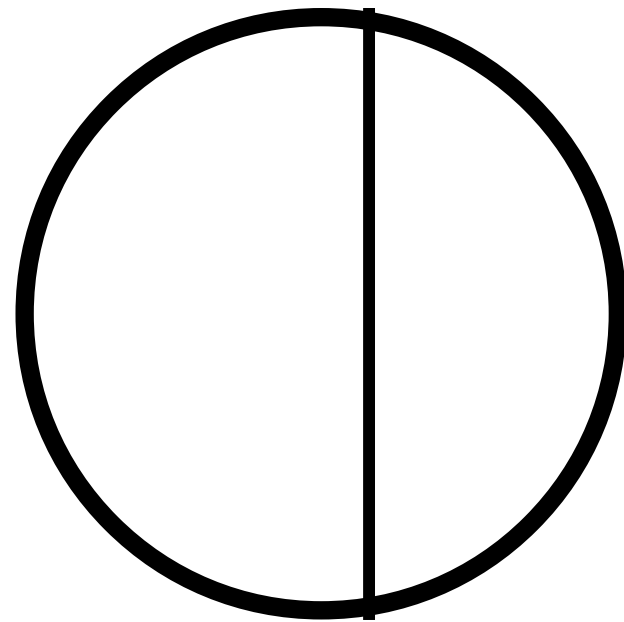
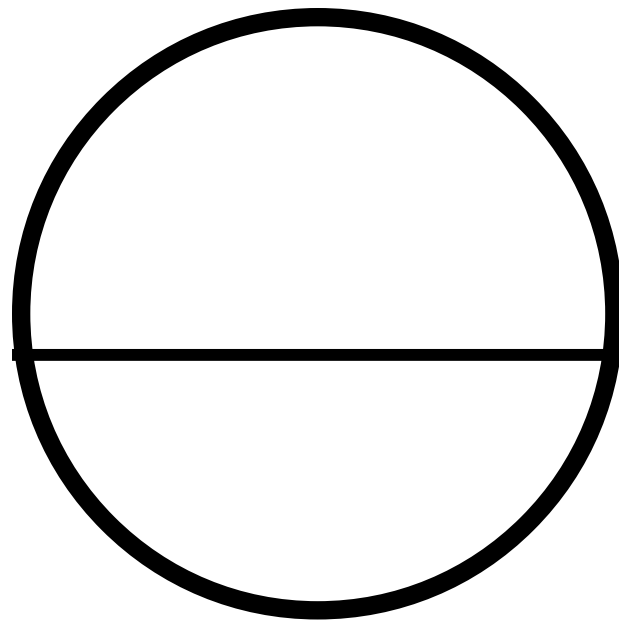


**If the house is the whole,
then  is part of the whole.**

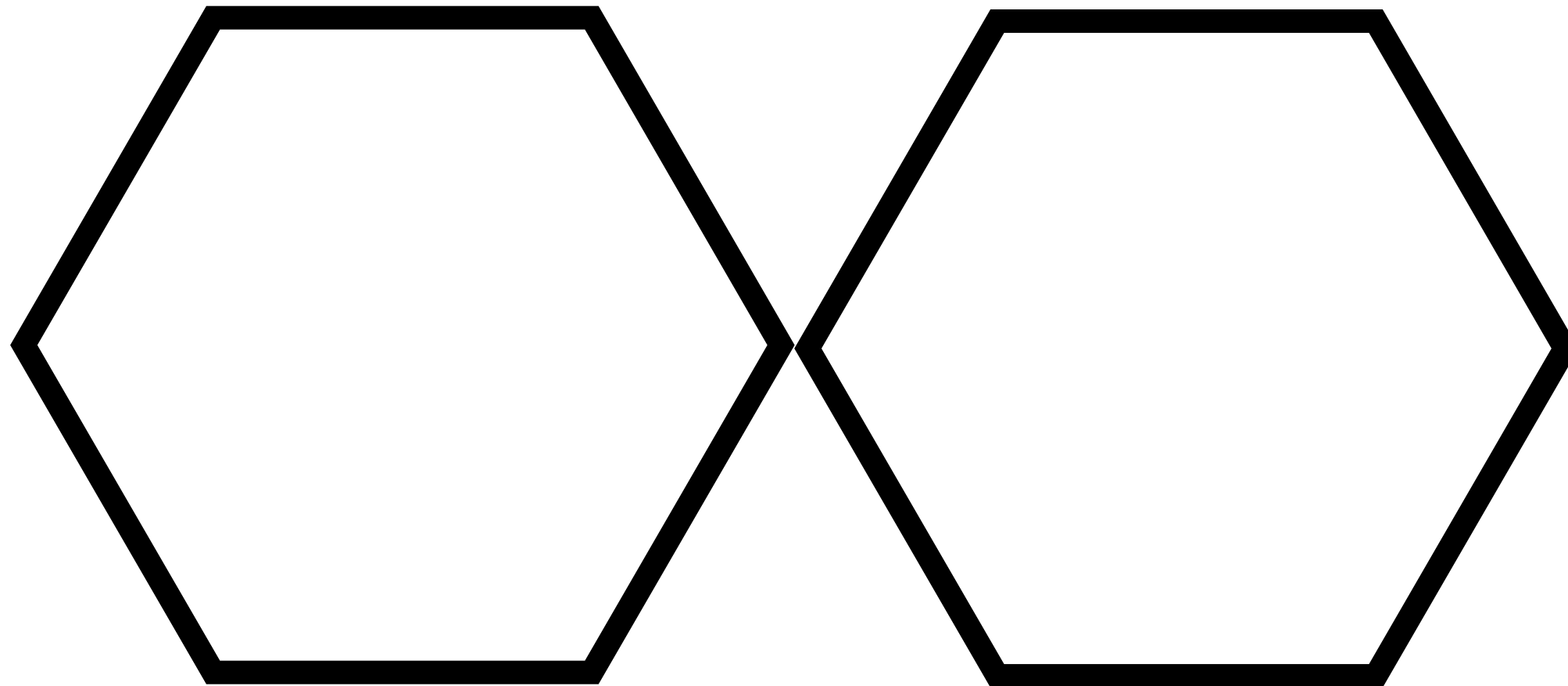
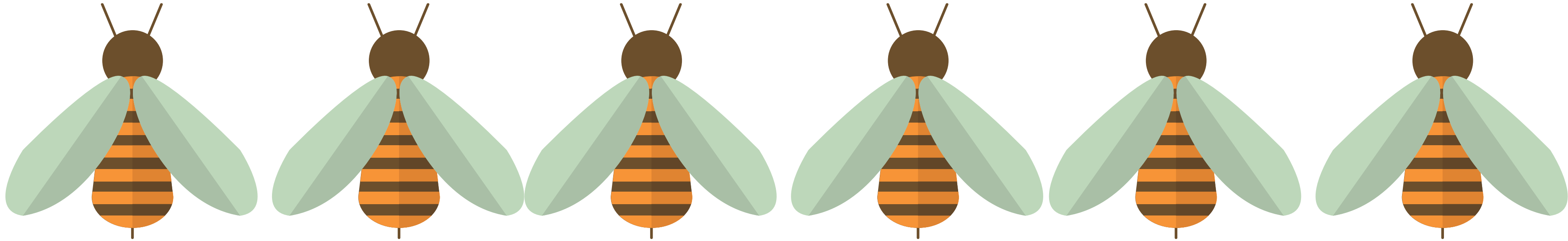
Equal parts



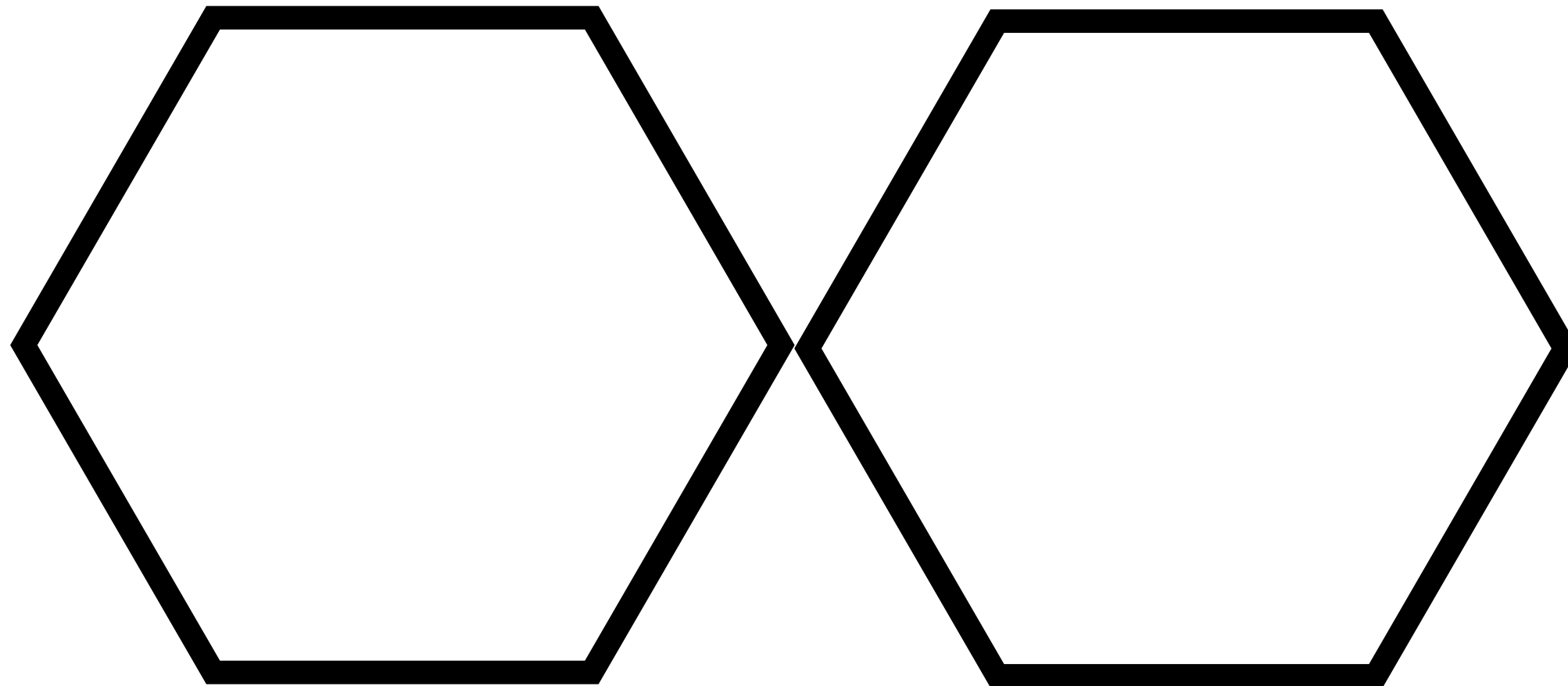
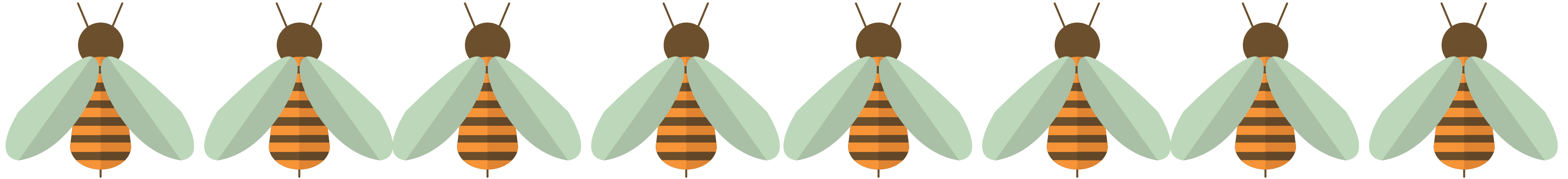
Unequal parts



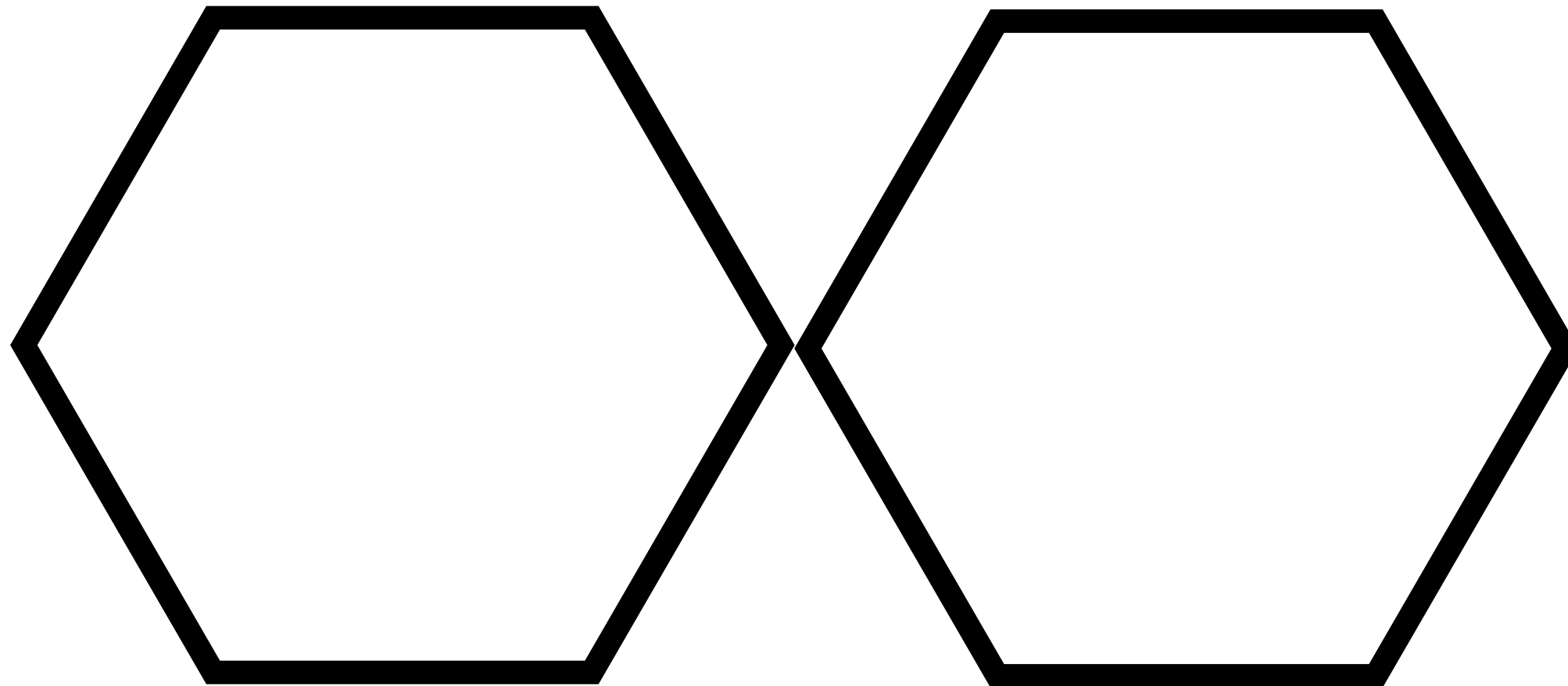
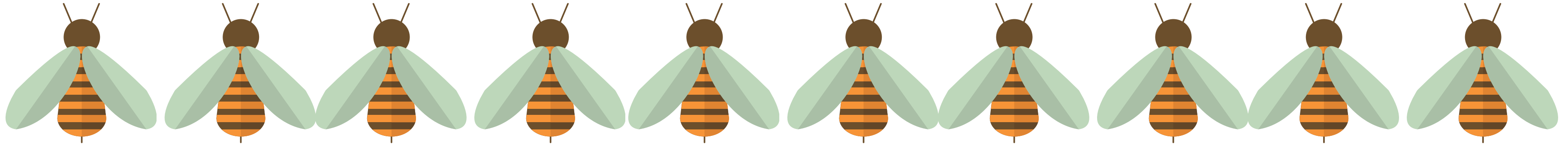
Half (Sort)



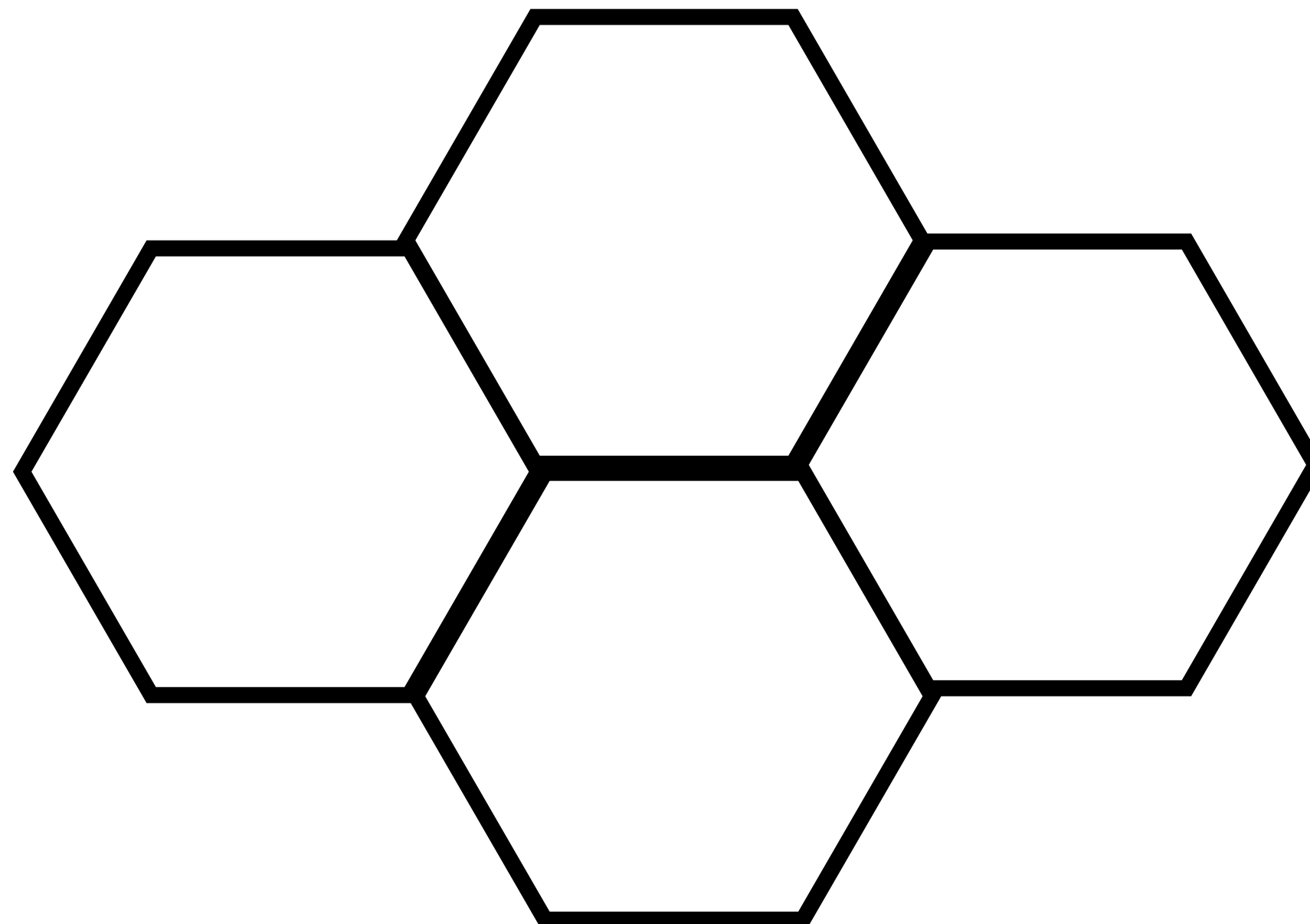
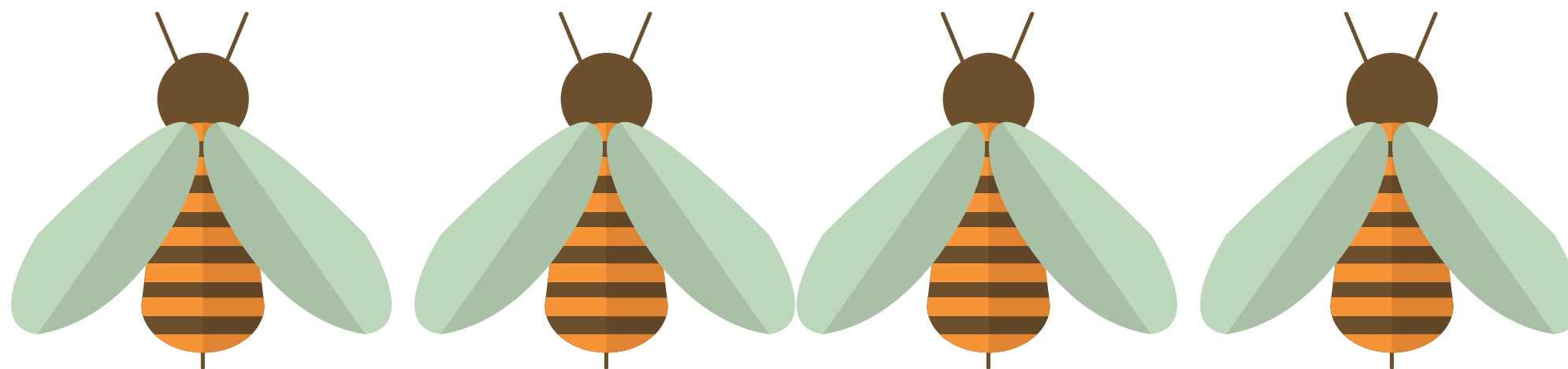
Half



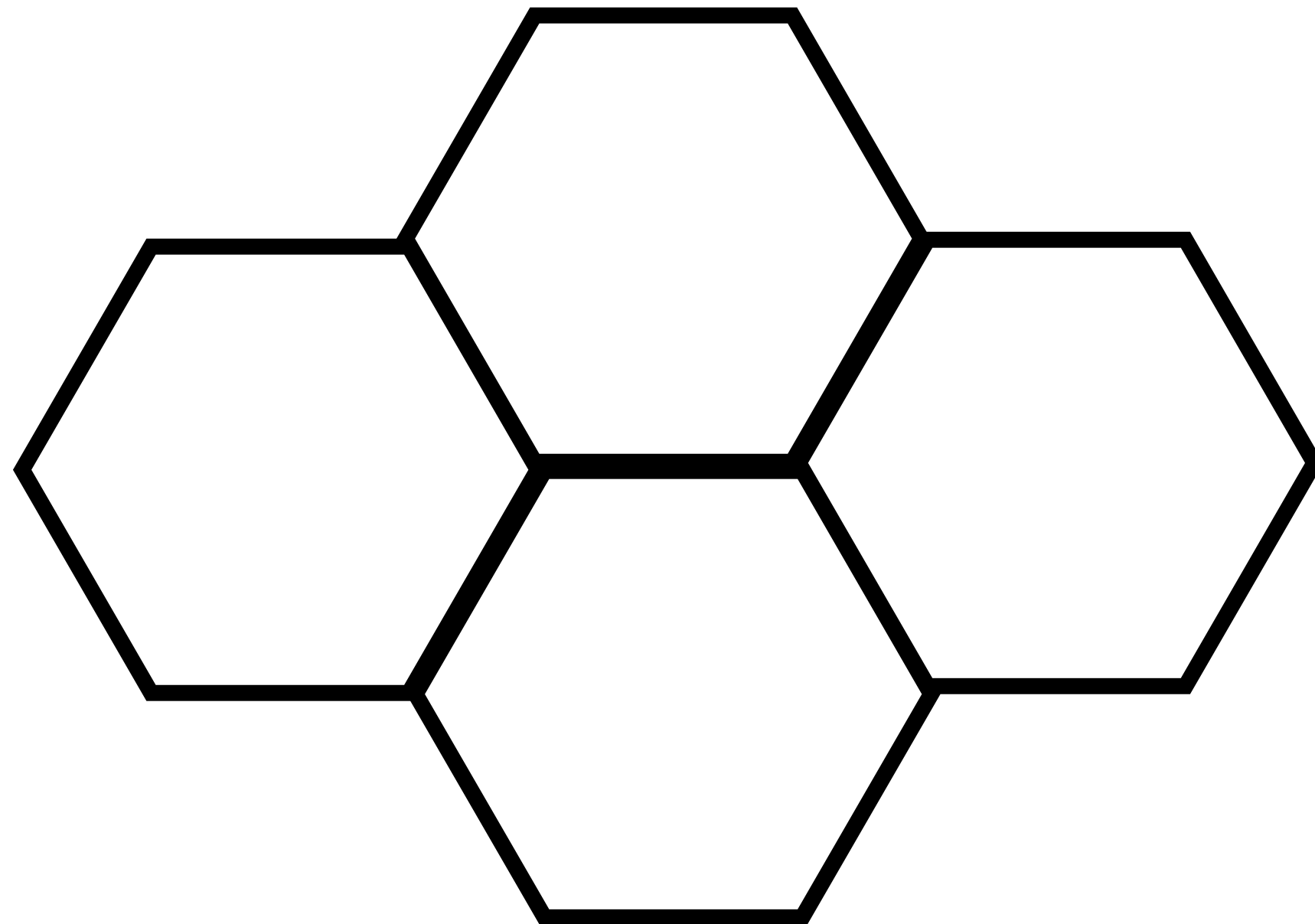
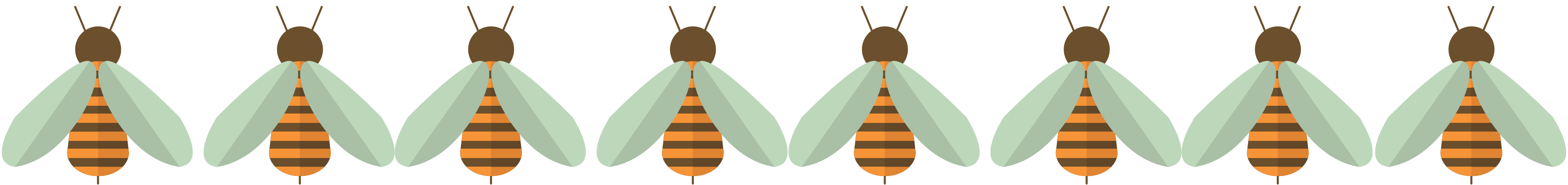
Half



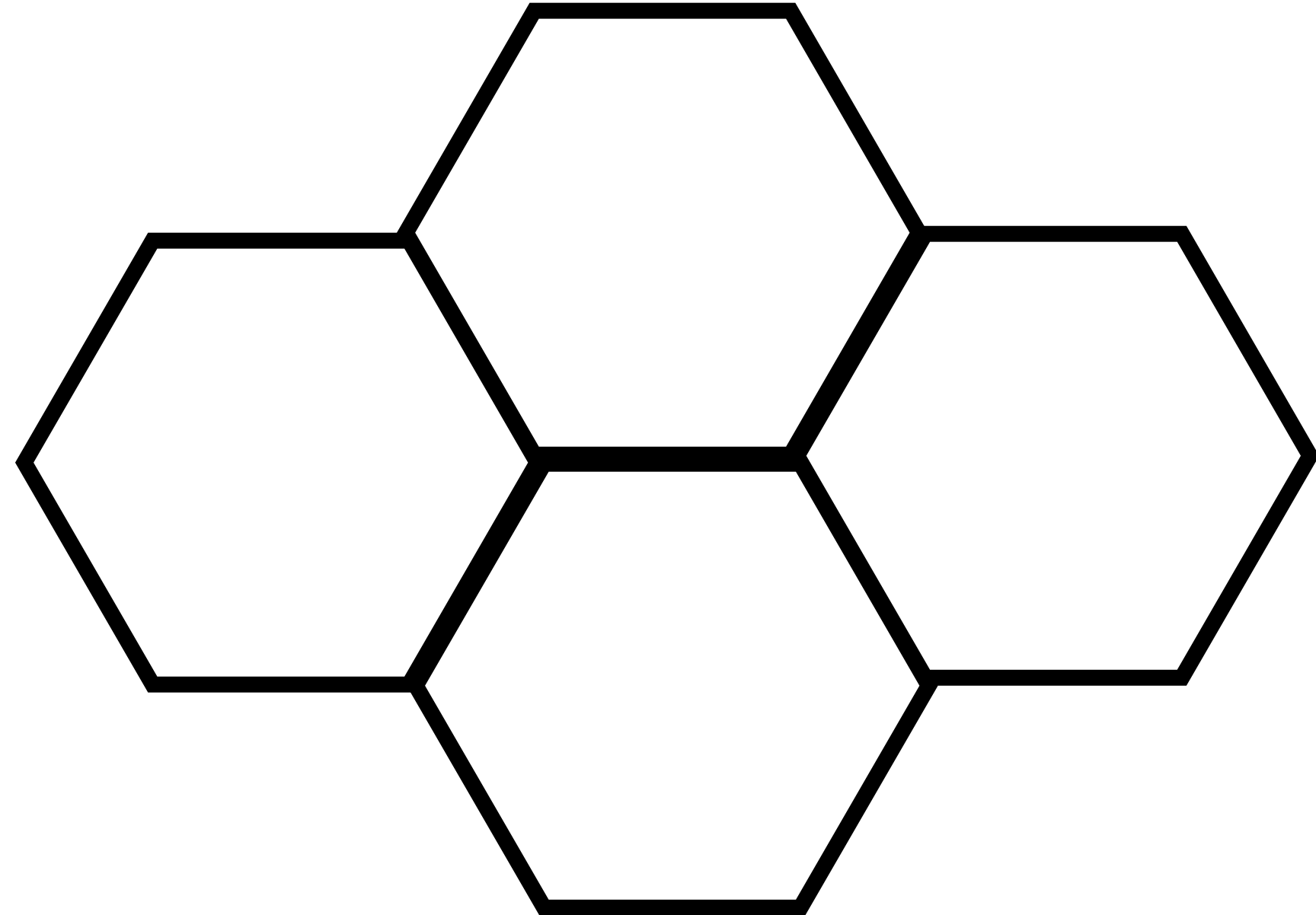
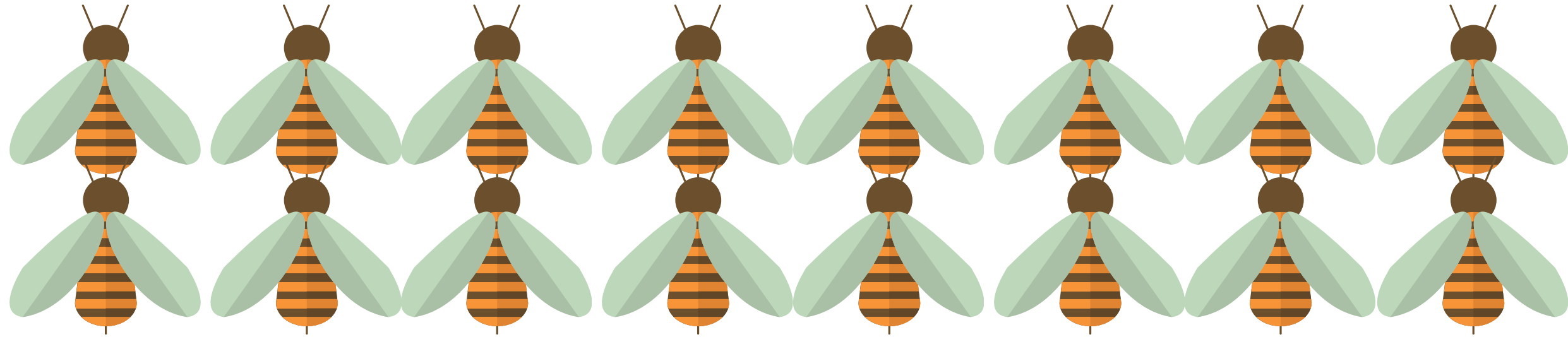
Quarter



Quarter



Quarter



Counting fractions

$$\frac{1}{2}$$

$$\frac{1}{2}$$

$$\frac{1}{2}$$

$$\frac{1}{2}$$

$$\frac{1}{2}$$

$$\frac{1}{2}$$

$$\frac{1}{2}$$

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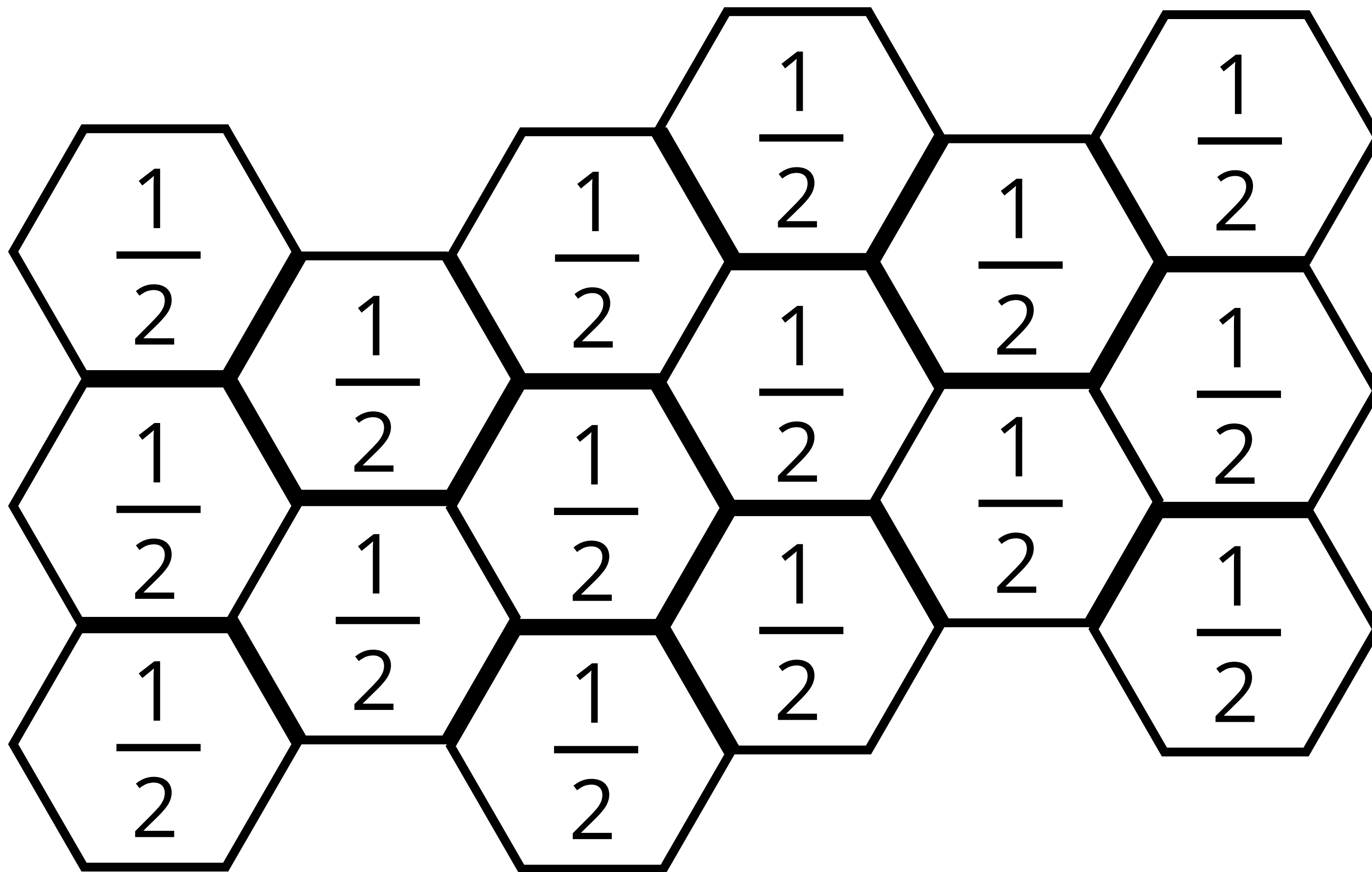
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$$\frac{1}{2}$$



$$\frac{1}{3}$$

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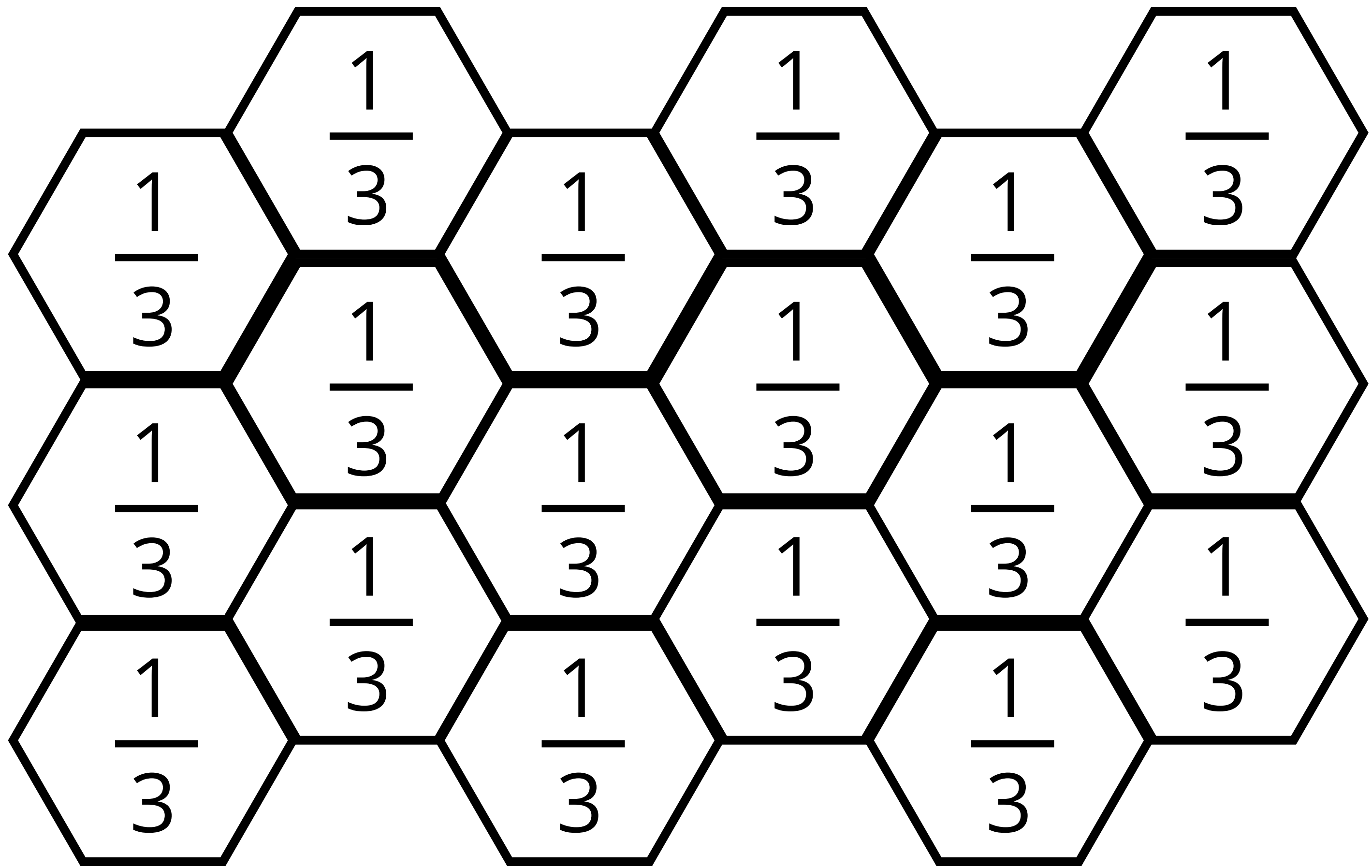
$$\frac{1}{3}$$

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$$\frac{1}{4}$$

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