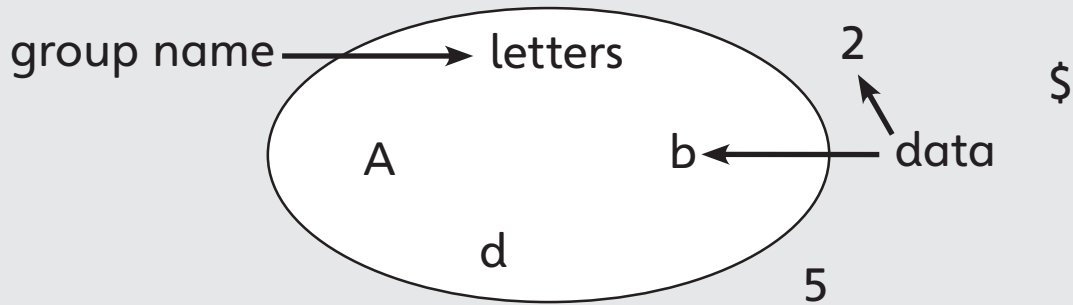


Sorting into Groups

You can sort anything into **groups**.
The things you sort are called **data**.



Sort the data.

~~x~~ ~~y~~ \$ N # 8 a

5

letters

t

M 5 6 b < 2 r l

numbers

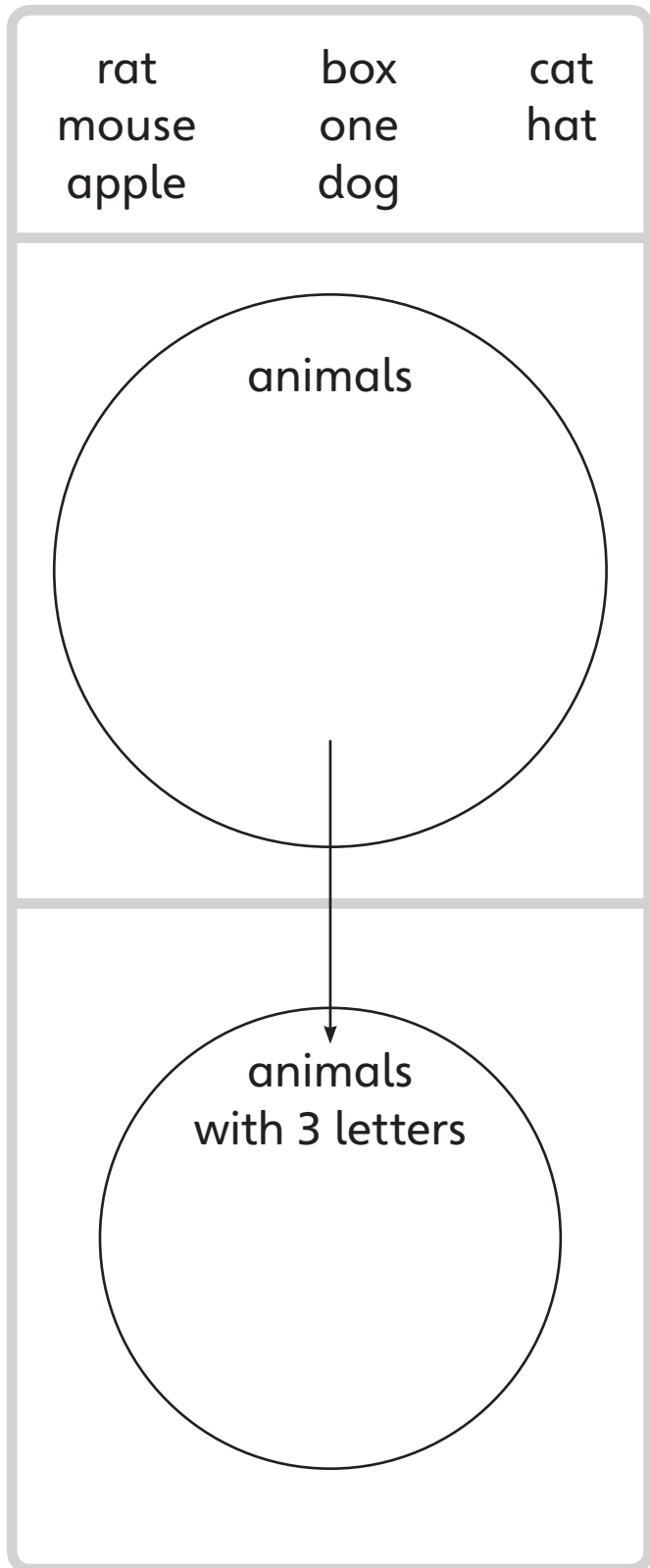
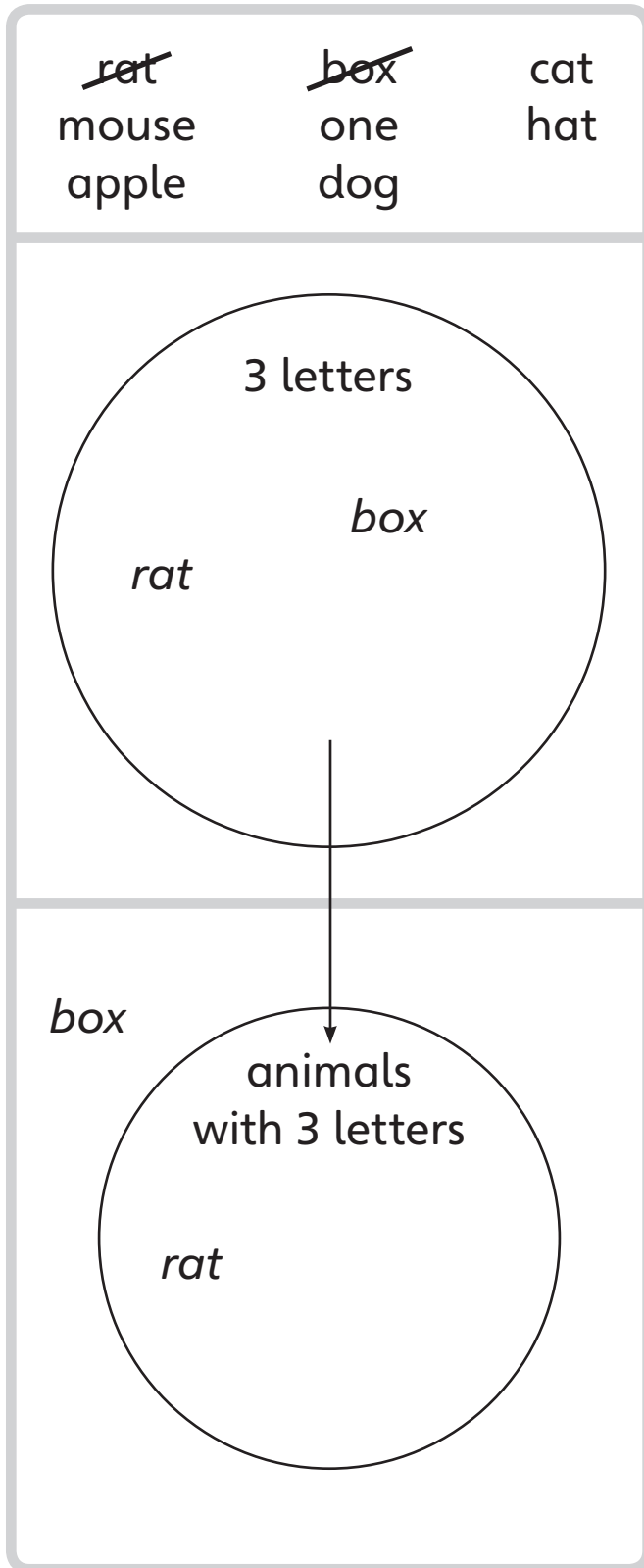
me no pq we ii m

words

A m g G F p d N J

capital letters

Sort the data.



Did you get the same answer? _____

Sort the data. Use arrows.

dark rectangles

striped circles

dotted triangles

large squares

white triangles

Bonus

shapes with 5 straight sides

COPYRIGHT © 2017 JUMP MATH: NOT TO BE COPIED

Sorting into Many Groups

Sort the data. Use arrows.

A row of six shapes: a grey circle, a white square, a black dot, a grey square, a striped triangle, and a dotted circle. Below the row are two ovals. An arrow points from the grey circle to the 'circles' oval. Another arrow points from the white square to the '4 vertices' oval.

A row of six items: an apple, a carrot, a pear, a broccoli, an orange, and a banana. Below the row are two ovals labeled 'fruits' and 'vegetables'.


Some objects do not belong in any group.

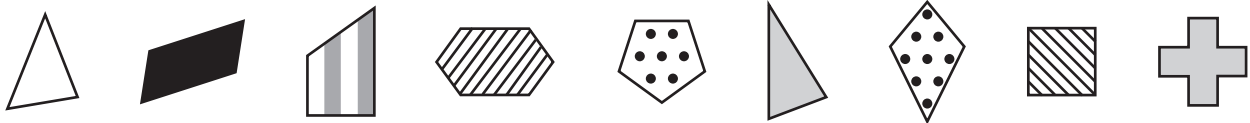
A row of eight shapes: a triangle, a pentagon, a square with dots, a grey circle, a striped triangle, a grey square, a white triangle, and a diamond. Below the row are two ovals labeled 'triangles' and 'squares'. Two arrows cross each other: one points from the triangle to the 'triangles' oval, and another points from the pentagon to the 'triangles' oval.


A row of eight shapes: a trapezoid, a striped hexagon, a triangle, a diamond with a grid, a white triangle, a grey rectangle, a dotted triangle, and a white circle. Below the row are two ovals labeled 'triangles' and '4 sides'.

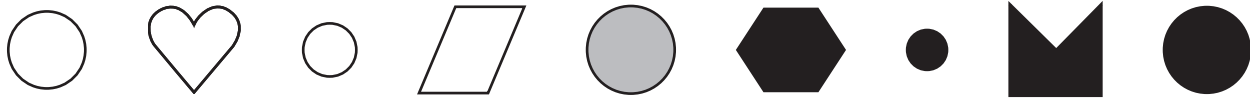
COPYRIGHT © 2017 JUMP MATH: NOT TO BE COPIED

Sort the data. Use arrows.





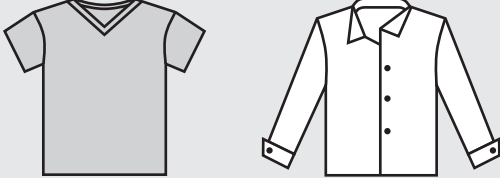





COPYRIGHT © 2017 JUMP MATH: NOT TO BE COPIED

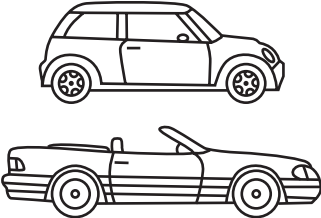
Sorting Rules


Find one word that describes the data.

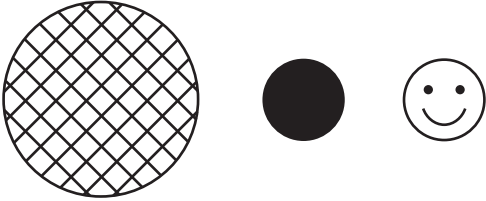


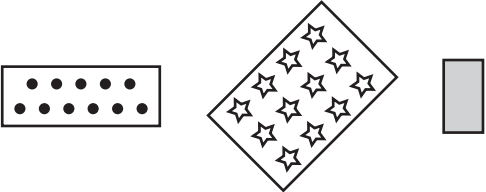
_____ *shirts* _____



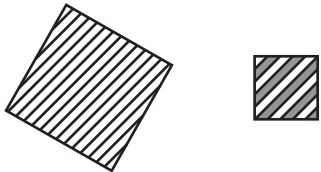









Find two words that describe the data.



1. _____
2. _____



1. _____
2. _____

How were these sorted? Write two properties.

G z

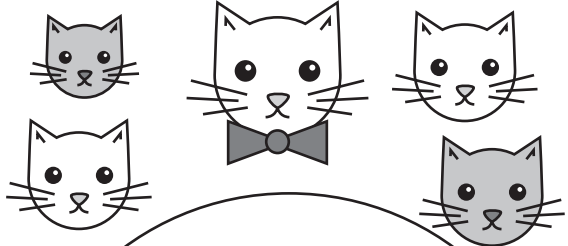
a b t


N r

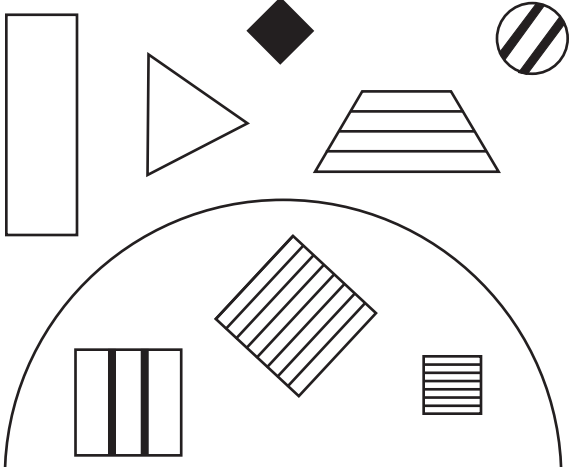
M Q B

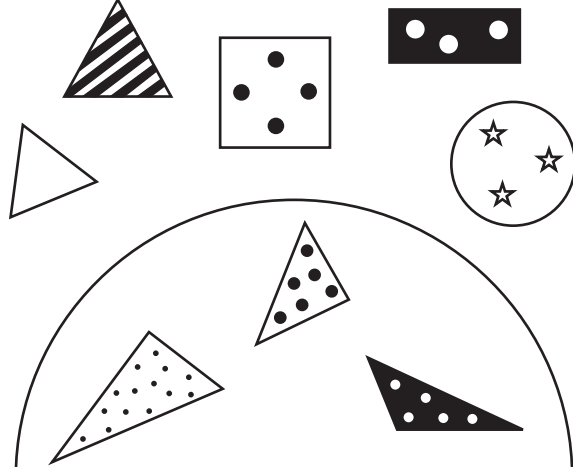
thick

capital letters





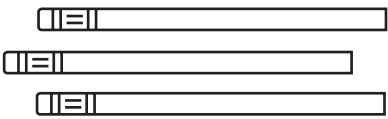
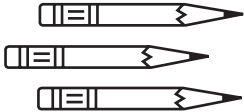








COPYRIGHT © 2017 JUMP MATH: NOT TO BE COPIED

Sorting Rules—Many Groups

How were these sorted?

 <p><u>new pencils</u> <u>long</u></p>	 <p><u>used pencils</u> <u>short</u></p>
---	---

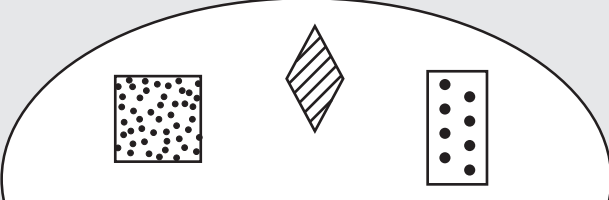
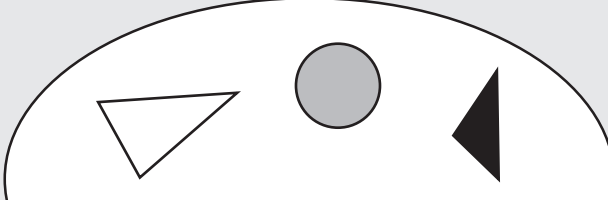
 <p>_____ _____</p>	 <p>_____ _____</p>
--	--

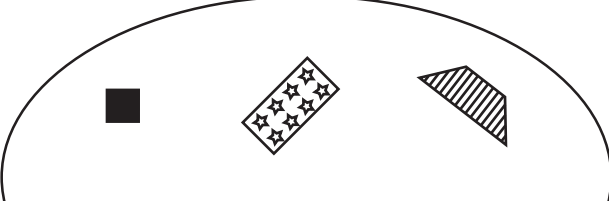
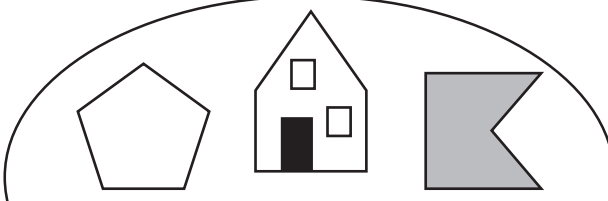
 <p>_____ _____</p>	 <p>_____ _____</p>
--	---

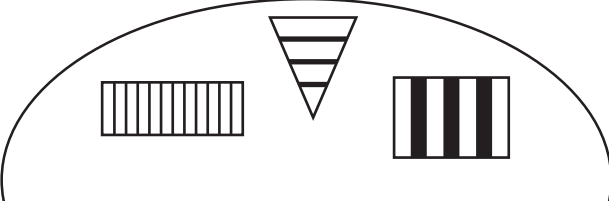
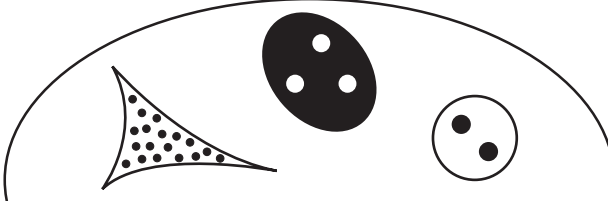
Bonus	
<p>hop pop top</p> <p>_____ _____</p>	<p>November September</p> <p>_____ _____</p>

COPYRIGHT © 2017 JUMP MATH: NOT TO BE COPIED

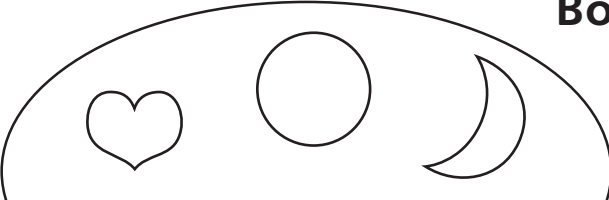
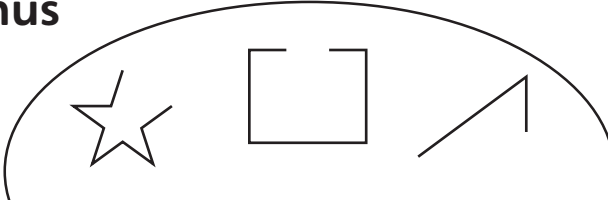
How were these sorted?

 <p><u>4 sides</u></p> <p>_____</p>	 <p><u>fewer than</u></p> <p><u>4 sides</u></p>
--	---

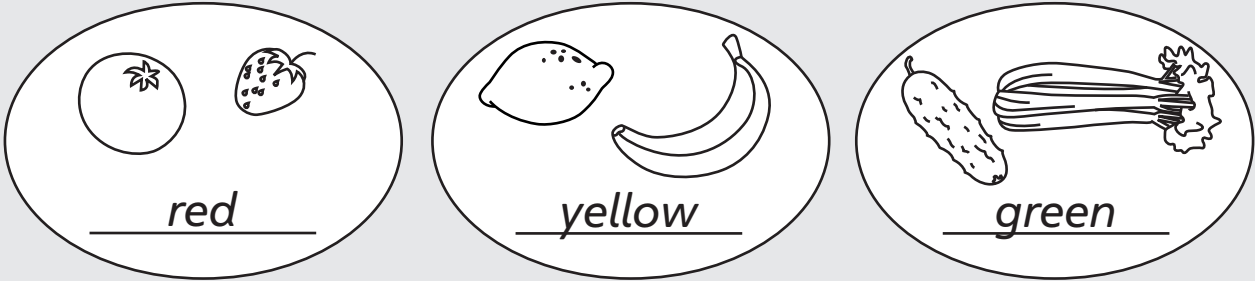
 <p>_____</p> <p>_____</p>	 <p>_____</p> <p>_____</p>
---	--

 <p>_____</p> <p>_____</p>	 <p>_____</p> <p>_____</p>
---	--

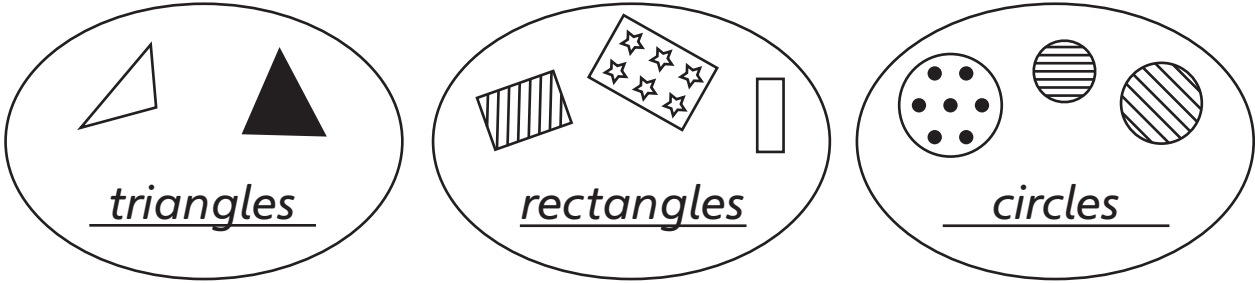
Bonus

 <p>_____</p> <p>_____</p>	 <p>_____</p> <p>_____</p>
---	--

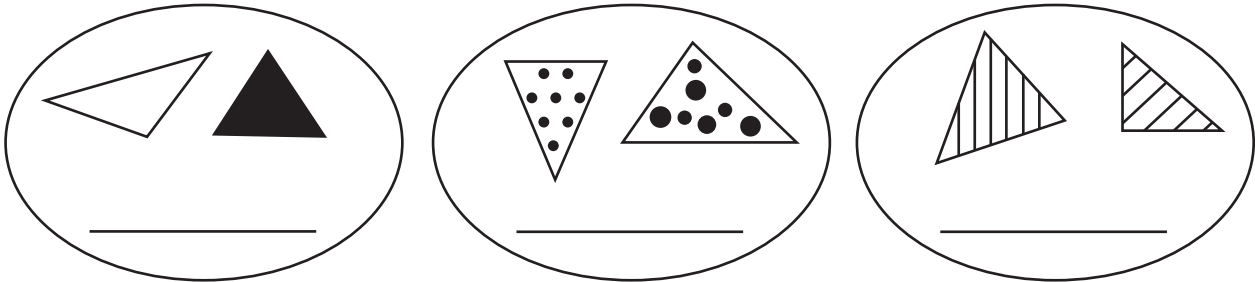
Compare the groups.


red yellow green

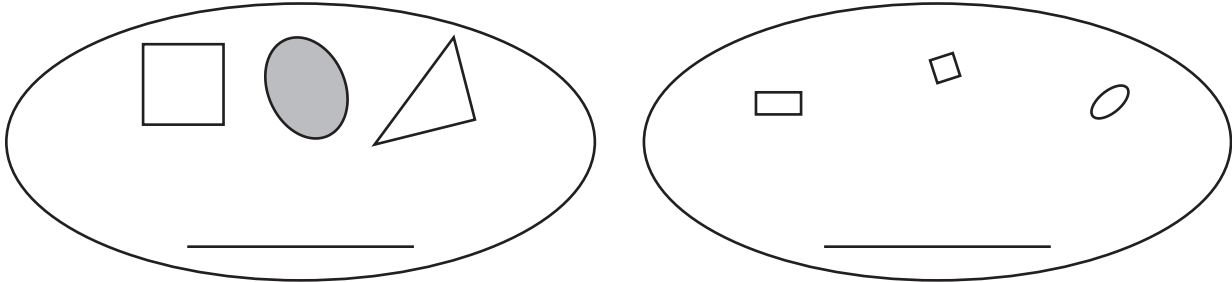
These are all foods. They are sorted by colour.


triangles rectangles circles

These are all _____. They are sorted by _____.


_____ _____ _____

These are all _____. They are sorted by _____.


_____ _____

These are all _____. They are sorted by _____.

geometric properties

has 4 vertices
has 6 sides
has curved sides
is a triangle
all sides are equal

not geometric properties

large dotted
fluffy thick
pink
has a pattern
its name starts with "s"

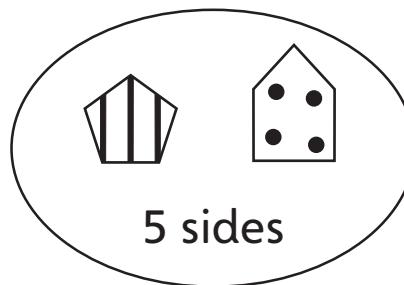
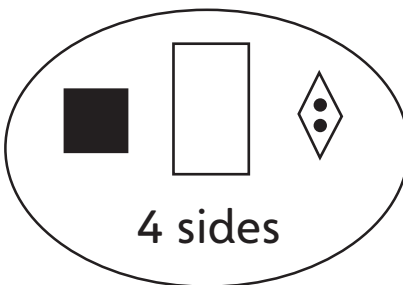
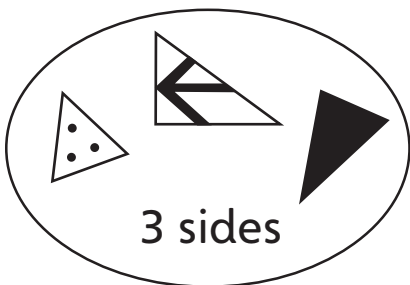
Circle the geometric properties.

curly
has 5 sides
is a rectangle

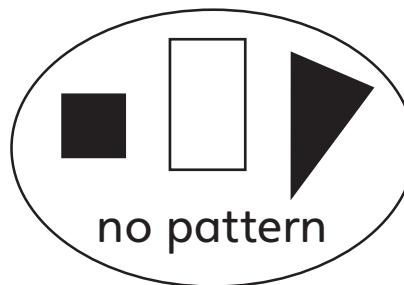
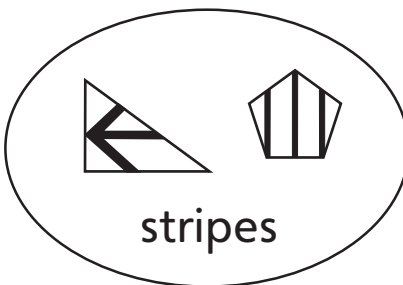
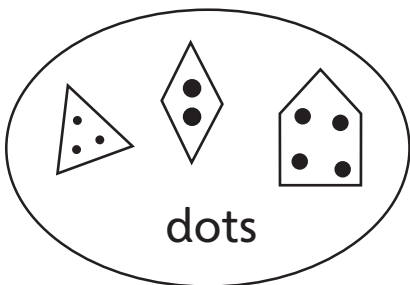
small
pretty
blue

made of wood
has 3 vertices
has 7 dots

Write **geometric** or **not geometric**.



This sorting is _____.



This sorting is _____.

Sort and Graph

- Sort the data.
- Write the sorted data in the correct rows.

~~M~~ b h n 5 6 c F 9 K

letters

M

numbers

Symbols I Sorted

Letters	<i>M</i>						
Numbers							

am bat sit on two or day

3 letters











2 letters

Words in My List

3 letters				
2 letters				









Pictographs

Lunch Time

At home							<u>6</u> eat at home
At school							<u>4</u> eat at school







More students eat lunch at home.

Mitts or Gloves

Mitts						<u> </u> wear mitts
Gloves						<u> </u> wear gloves

More students wear .

Sally's Clothes











	
	
	

Sally has skirts.

Sally has shorts.

Sally has fewer
than .

Marko's Flowers

		
		
		
		
Tulips	Roses	Daisies

 tulips













 roses

 daisies

Marko has the same number
of and .

How many more?














Students' Ages

7-year-olds									4	<u>7-year-olds</u>
8-year-olds									7	<u>8-year-olds</u>

7 - 4 = 3 more

There are 3 more 8-year-olds than 7-year-olds.









Shoes

Running shoes										<input type="text"/>	_____
Boots										<input type="text"/>	_____

_____ - _____ = _____ fewer

_____ fewer people wear boots than running shoes.



















Birds We Saw

Pigeons										<input type="text"/>	_____
Robins										<input type="text"/>	_____

_____ - _____ = _____ fewer

We saw _____ fewer pigeons than robins.

Pet Owners

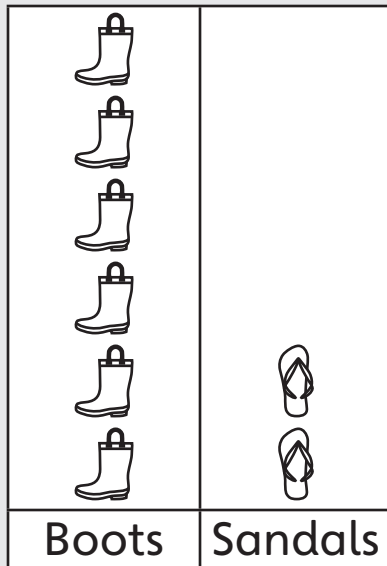
Have a pet											<input type="text"/>	_____
Have no pet											<input type="text"/>	_____

_____ - _____ = _____ more

_____ more children have a pet than do not.

Use the pictograph to fill in the blanks.

Shoes We Wore Today



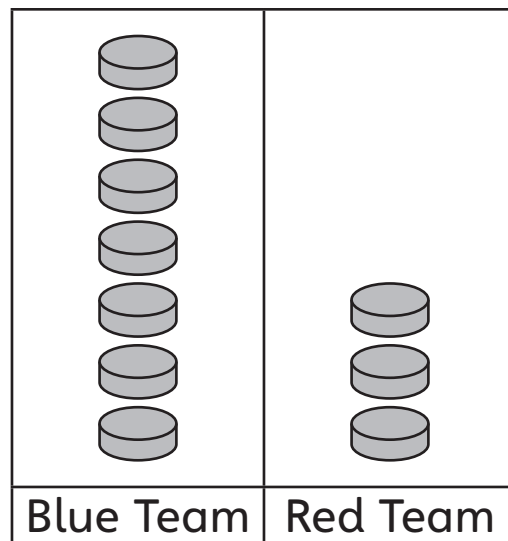
people in boots

people in sandals

+ = in total

8 people altogether

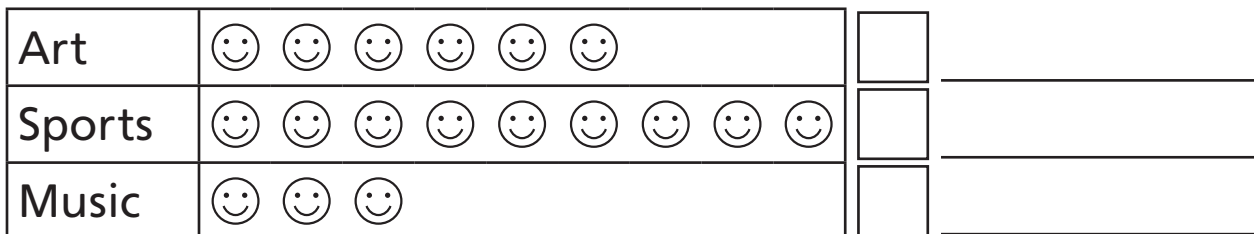
Goals Scored



+ = in total

 goals scored in total

Favourite After-School Club



 + + = altogether

 students go to after-school clubs.

Drawing Pictographs

Use the graphs to answer the questions.

Lunch in Ms. Lee's Class

At school	S	S	S	S	S	S	S						
At home	H	H	H	H	H	H	H	H	H	H	H	H	H

More students in Ms. Lee's class eat lunch

_____ than _____.

Lunch in Mr. King's Class

At school	S	S		S	S		S	S		S	S		
At home	H	H	H	H	H	H		H	H	H			

Mr. King's students think **more** of them eat at school than at home. Is that correct? _____

Fix the graph so that it is easier to read.

At school													
At home													

Use data from the graphs above.

Lunch at School

Ms. Lee's class													
Mr. King's class													

Which teacher has more students eating at school? _____

How many more? _____

- Draw 😊 to show the data.
- Answer the questions.

Favourite Ball Games

Soccer	😊	😊	😊	😊	😊	5 like soccer the most.
Basketball						3 like basketball the most.
Baseball						4 like baseball the most.

How many more students like soccer the most than like baseball the most? _____

Shoes We Wear

Running shoes						5 wear running shoes.
Boots						2 wear boots.
						4 wear sandals.

How many fewer students wear boots than sandals? _____

Kate asked friends where they will be during March break.

Title: _____

Camp						5 will go to camp.
						3 will stay at home.
						2 will go to a cottage.
Do not know						4 do not know.

How many friends did Kate ask? _____

 Write one thing you learned from Kate's graph.