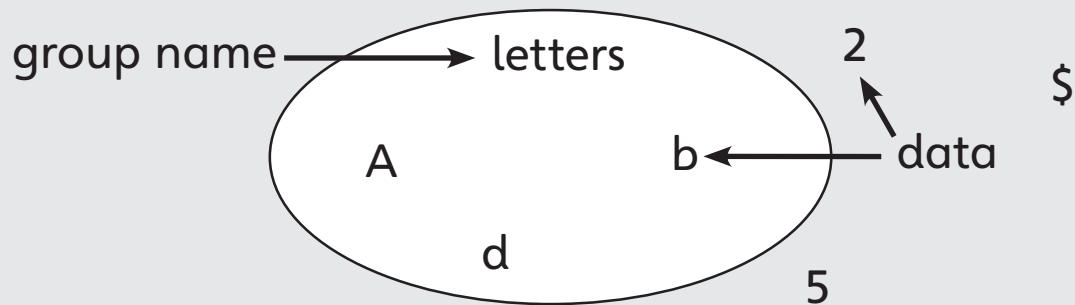


Sorting into Groups

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



☐ Sort the data.

~~/~~ ~~/~~ \$ N # 8 a

5 \$

letters

t N a

8 #

M 5 6 b < 2 r l

M b

numbers

5 6 2 l

r <

me no pq we ii m

pq ii

words

me no we

m

A m g G F p d N J

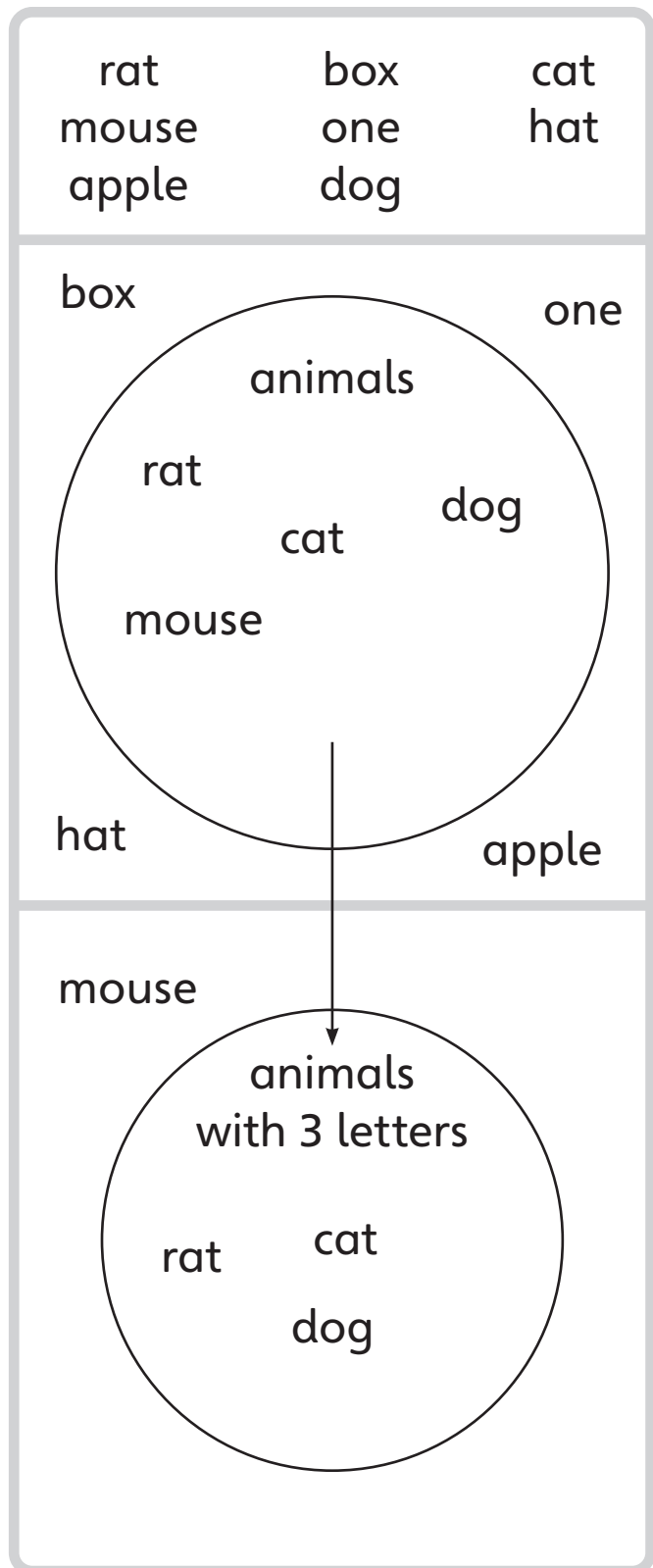
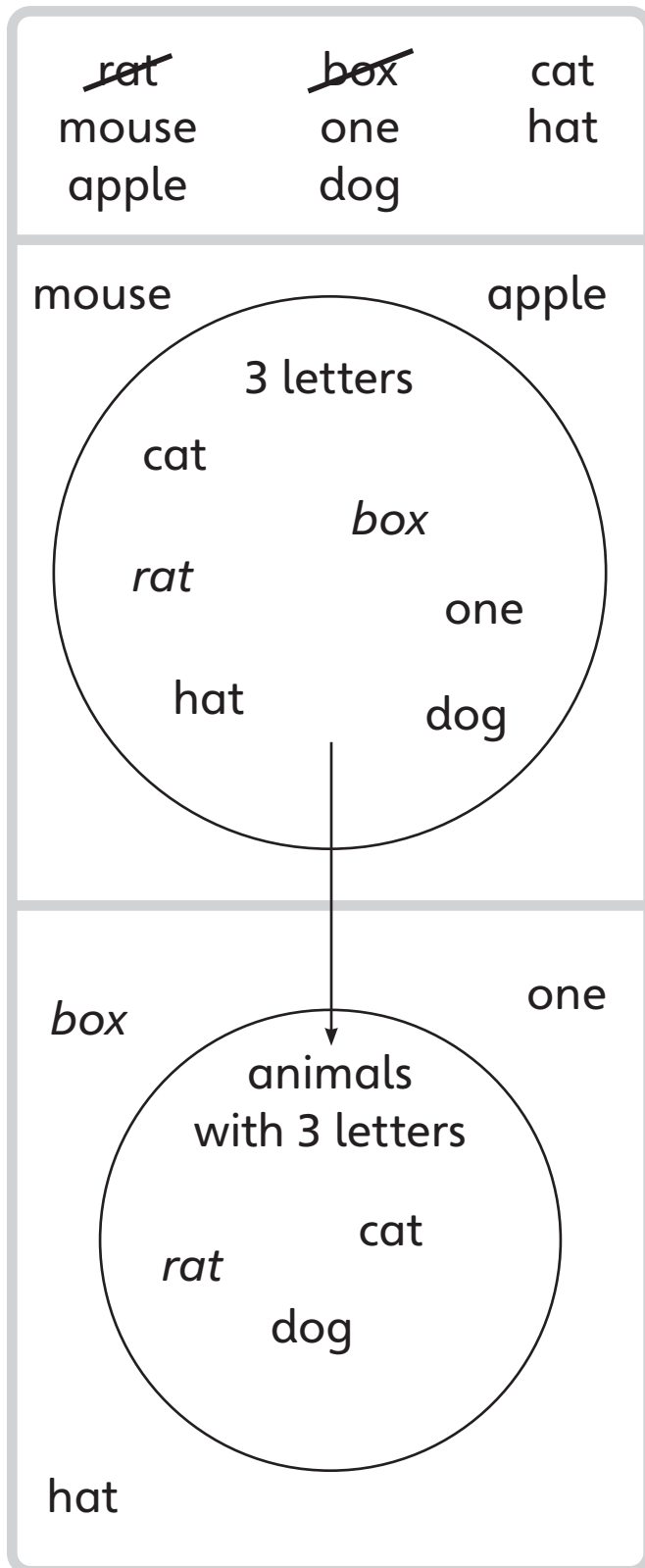
m g

capital letters

A G F N J

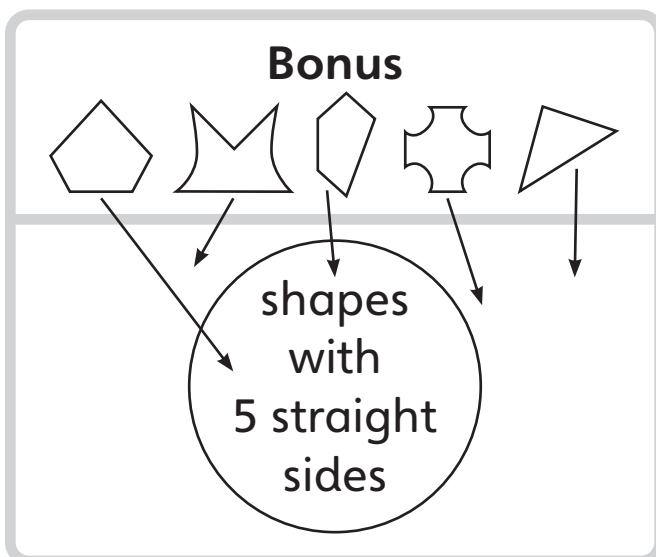
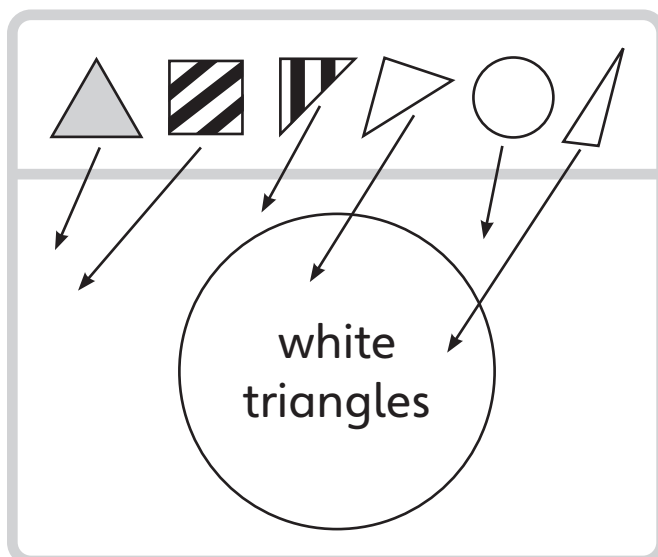
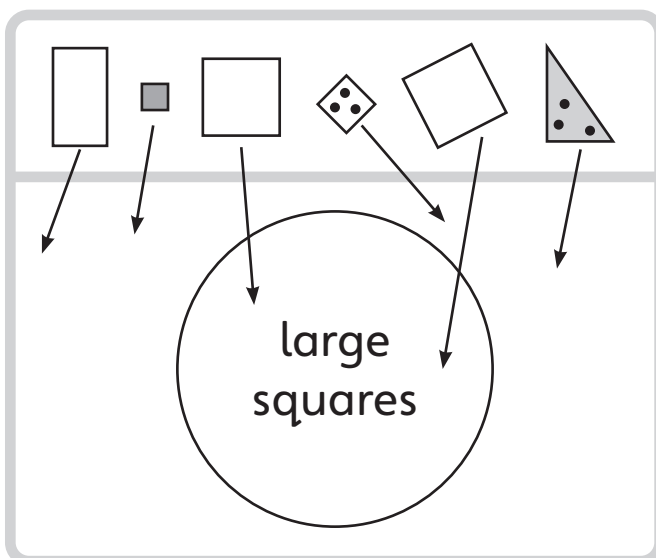
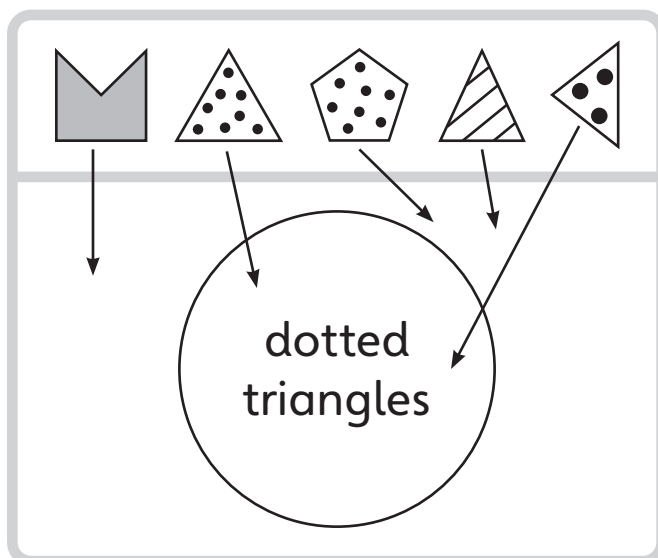
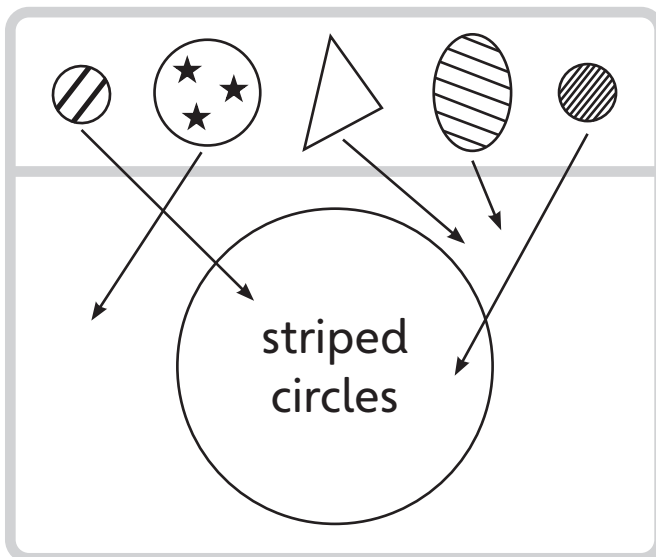
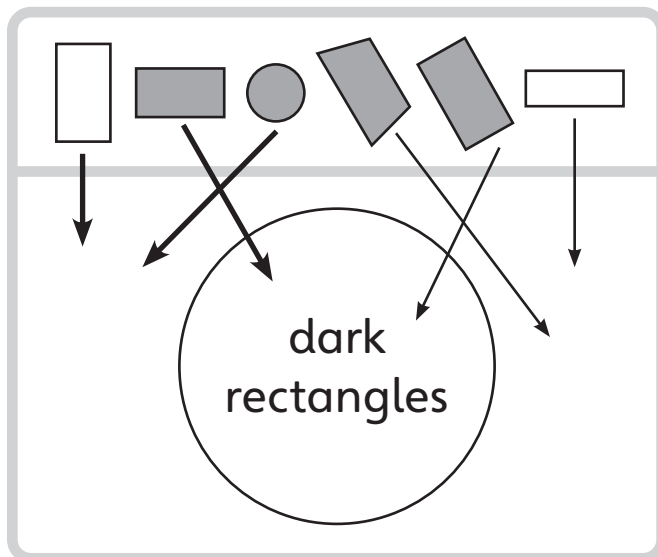
d p

☐ Sort the data.



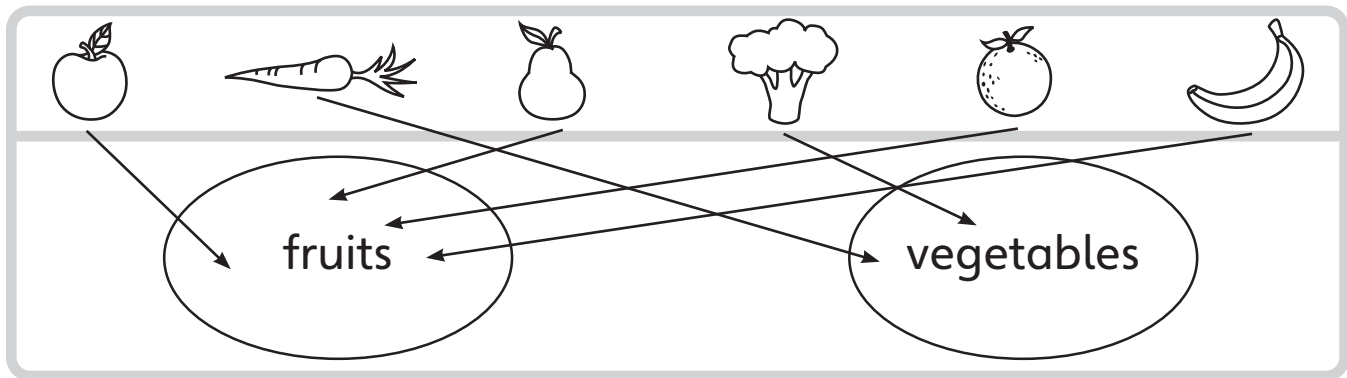
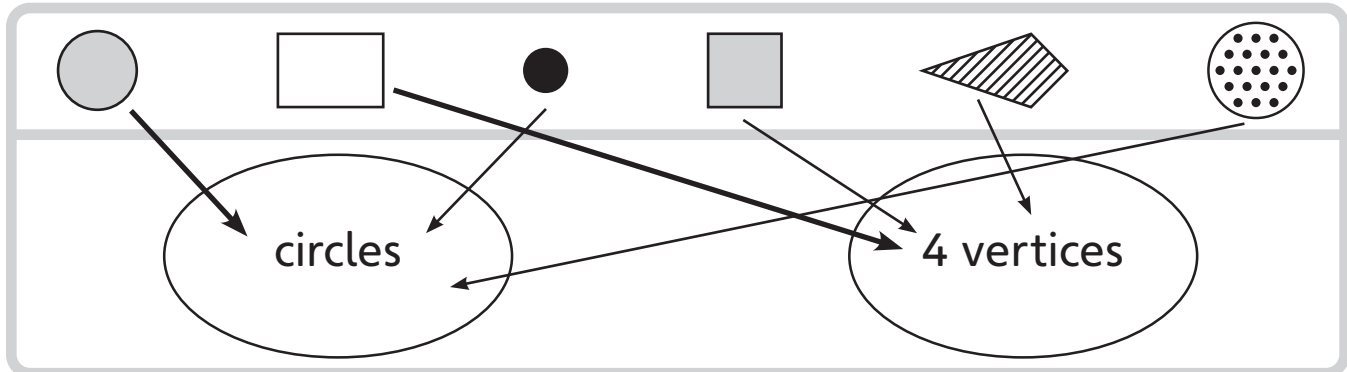
☐ Did you get the same answer? yes

☐ Sort the data. Use arrows.

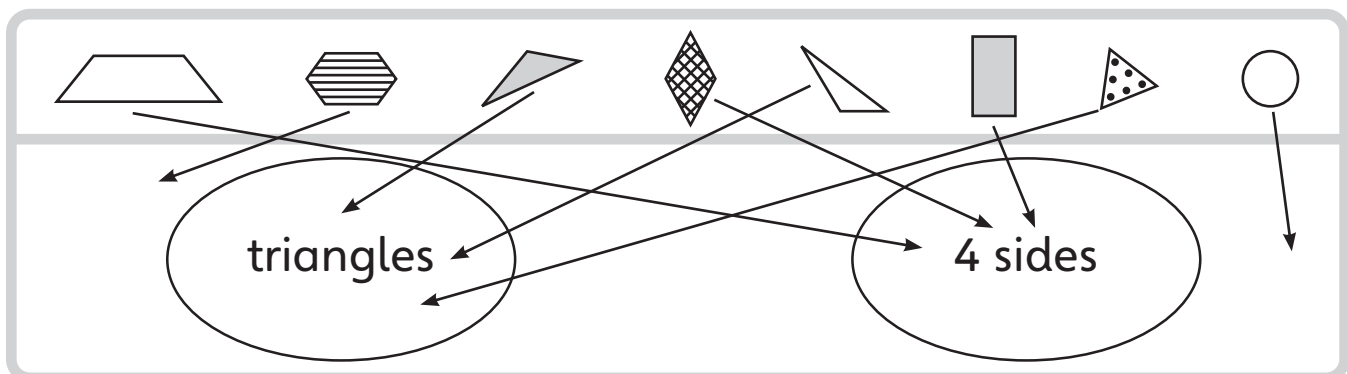
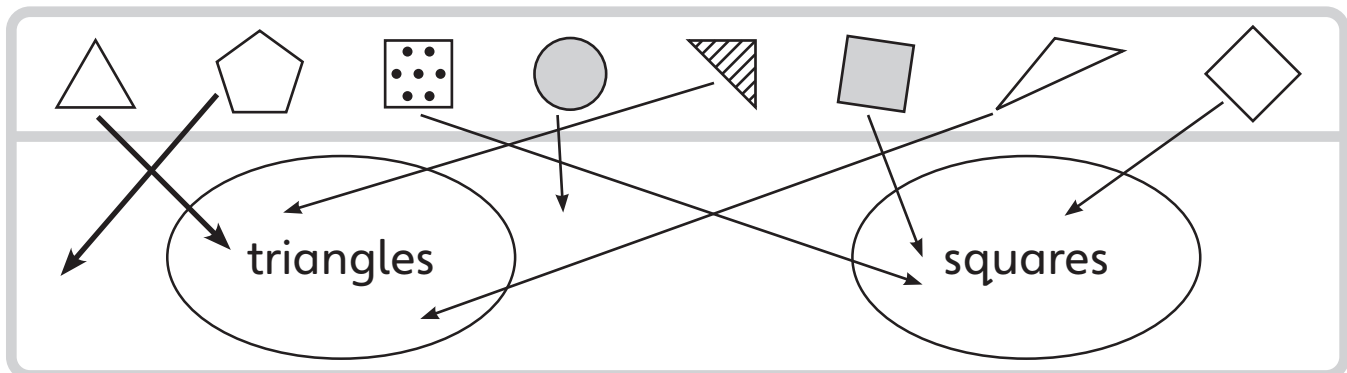


Sorting into Many Groups

☐ Sort the data. Use arrows.

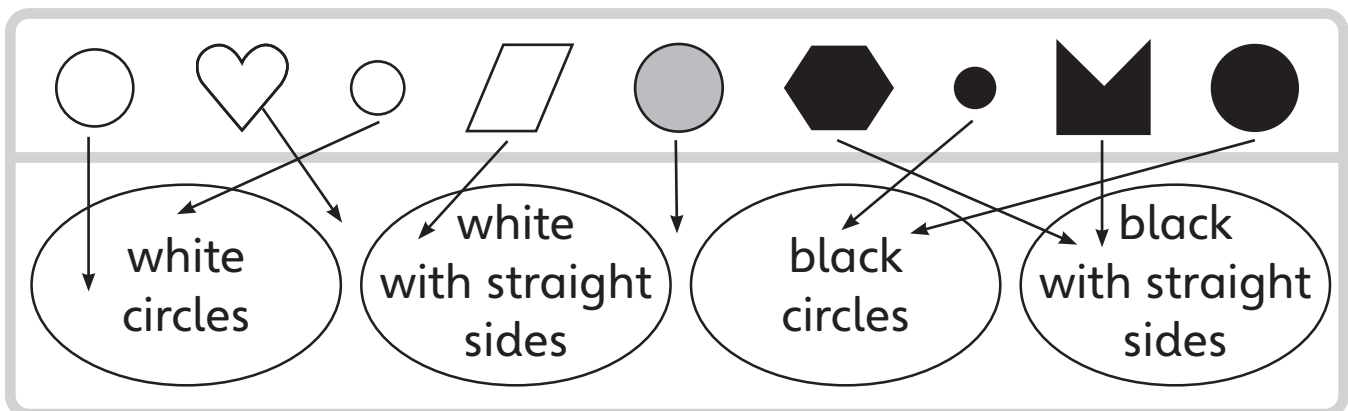
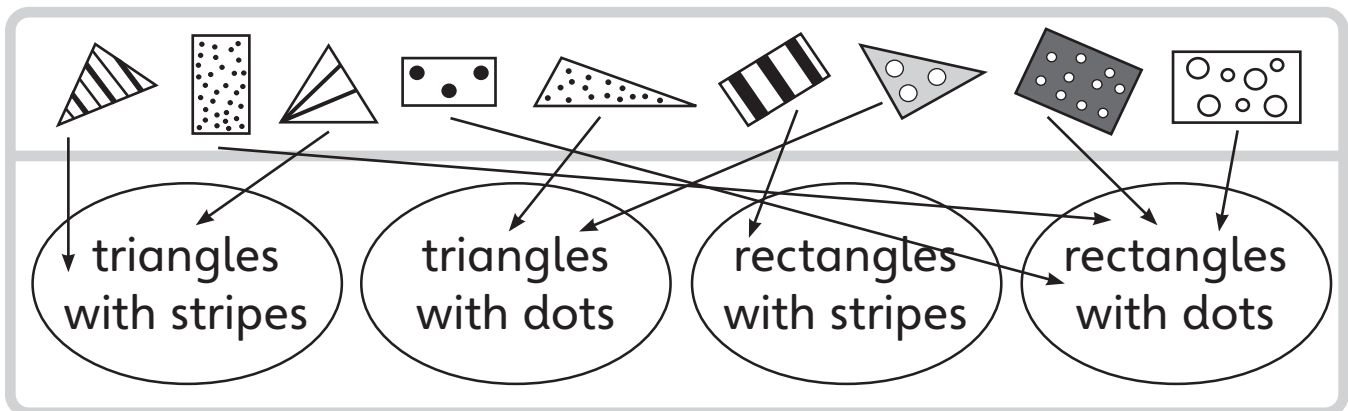
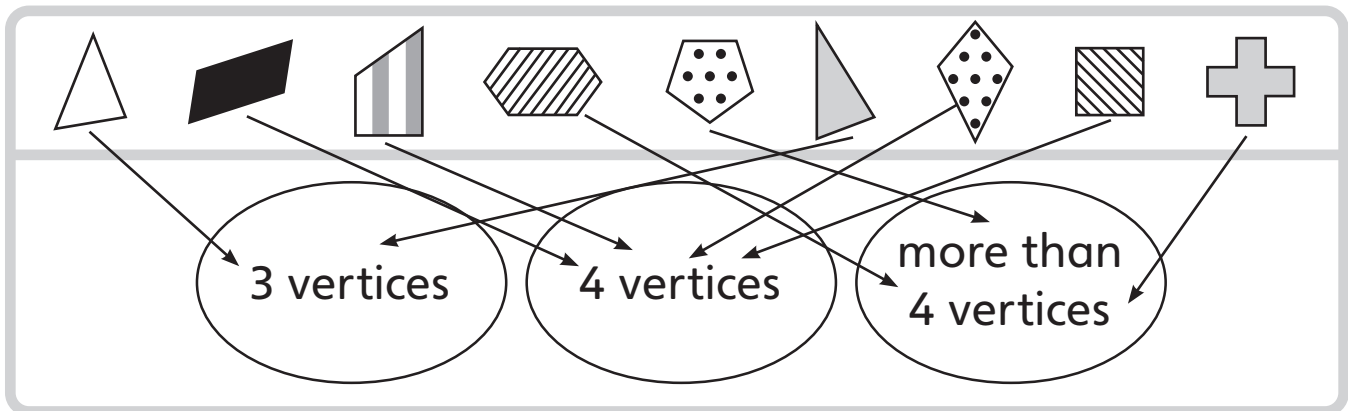
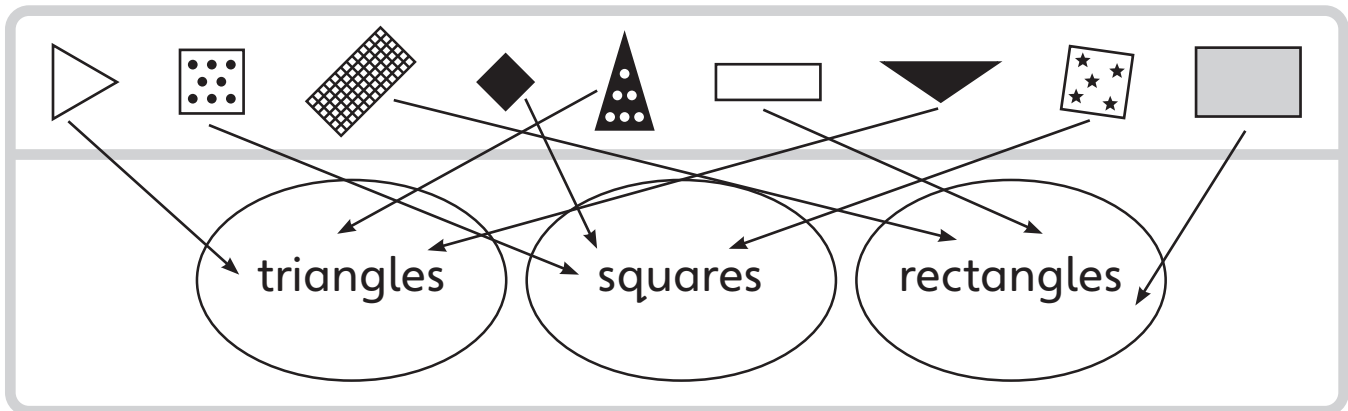


Some objects do not belong in any group.



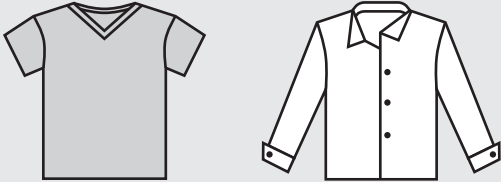
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☐ Sort the data. Use arrows.




Sorting Rules

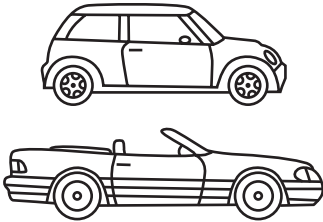
☐ Find one word that describes the data.




shirts




glasses



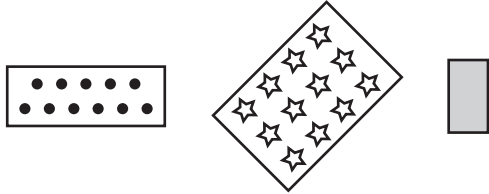
cars



animals

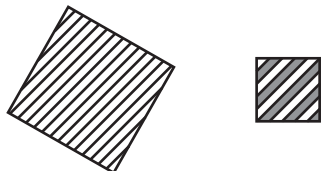


circles




rectangles

☐ Find two words that describe the data.



1. squares
2. striped



1. triangles
2. black

☐ How were these sorted? Write two properties.

thick

capital letters

grey

bowties

striped

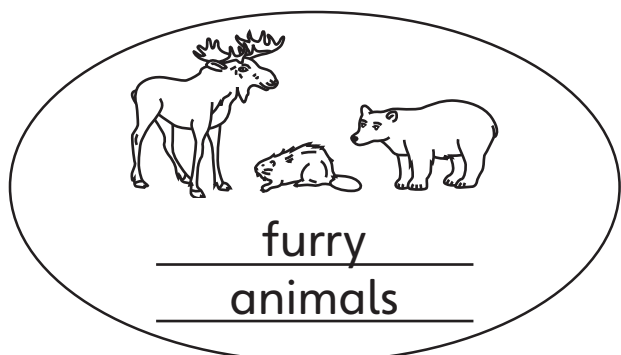
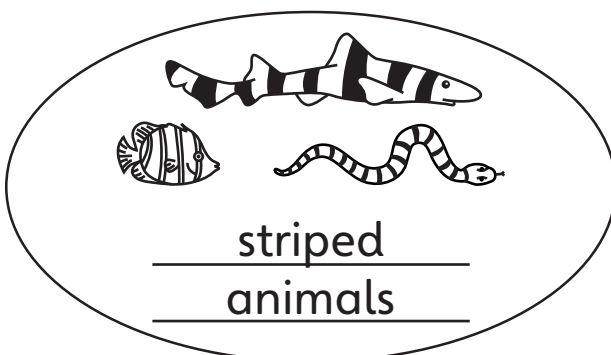
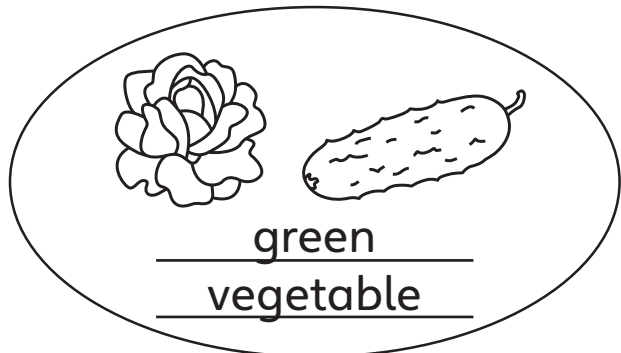
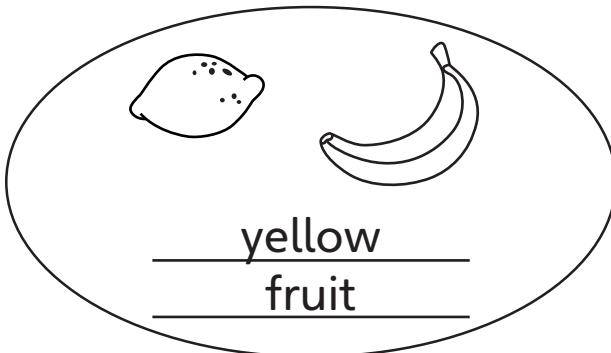
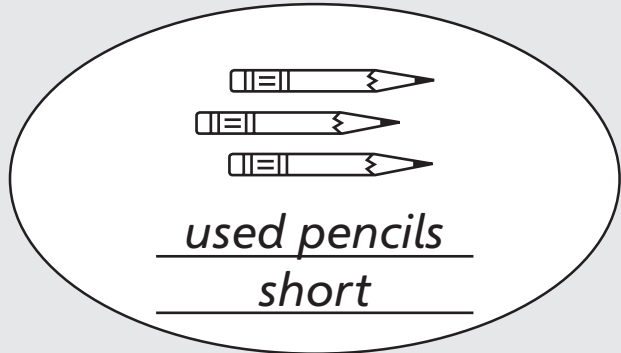
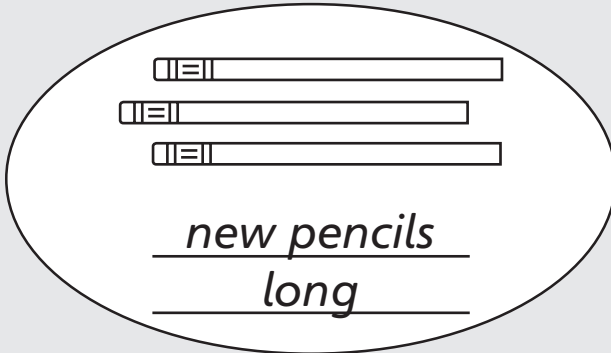
squares

dotted

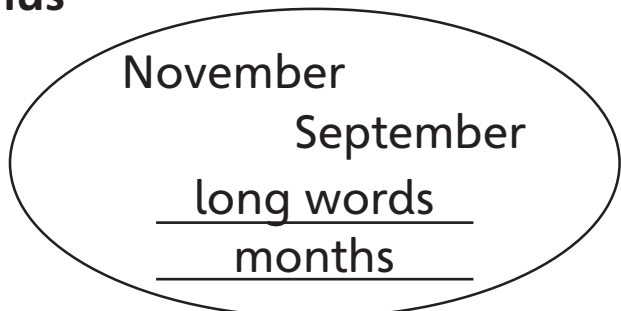
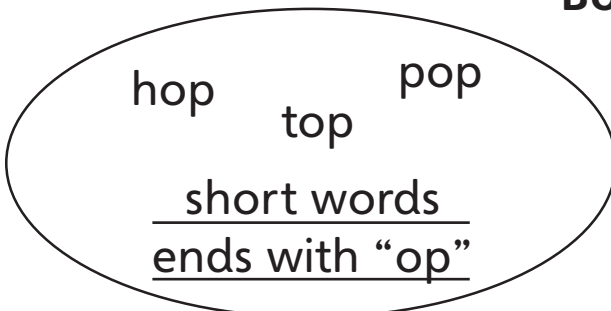
triangles

Sorting Rules—Many Groups


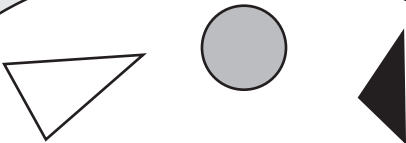
☐ How were these sorted?





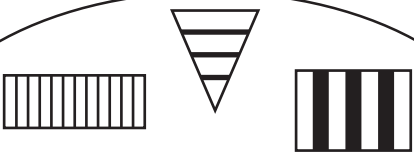

Bonus



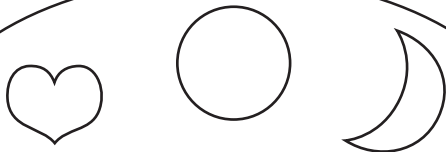
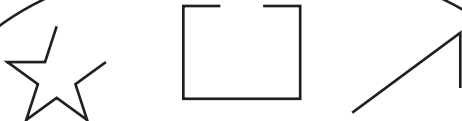
☐ How were these sorted?

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

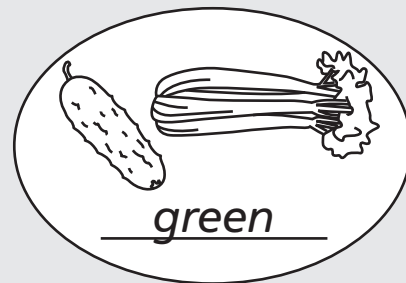
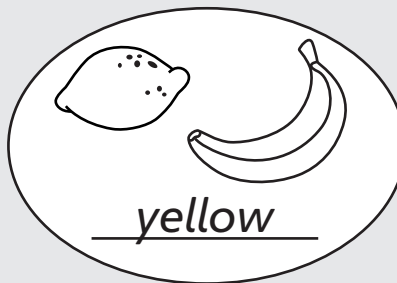
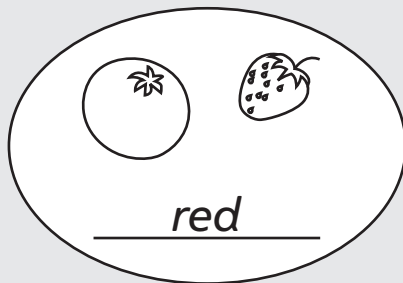
 <p><u>4 sides</u></p>	 <p><u>5 sides</u></p>
---	--

 <p><u>striped</u> <u>straight sides</u></p>	 <p><u>dotted</u> <u>curved side</u></p>
---	--

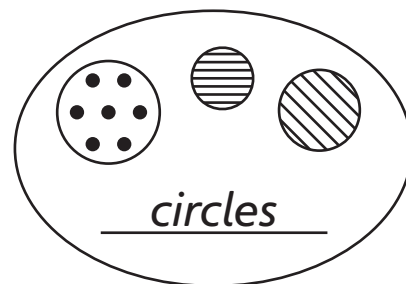
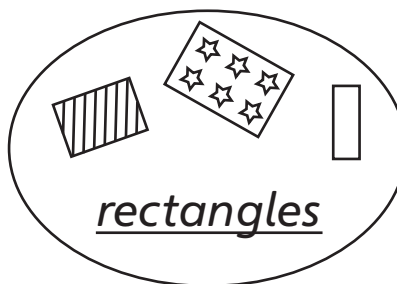
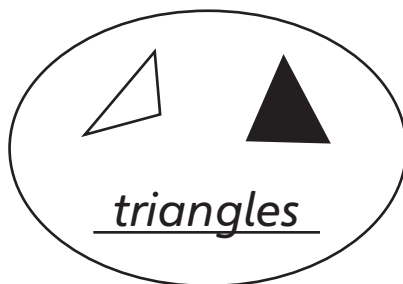
Bonus

 <p><u>closed</u> <u>curved sides</u></p>	 <p><u>open</u> <u>straight sides</u></p>
--	---

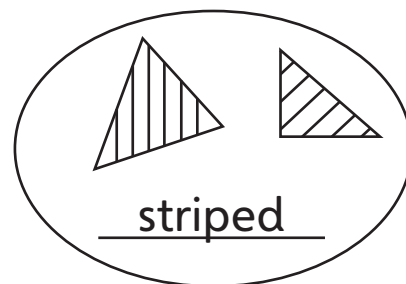
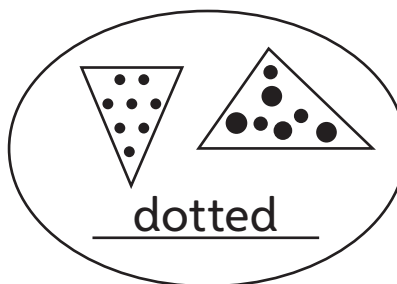
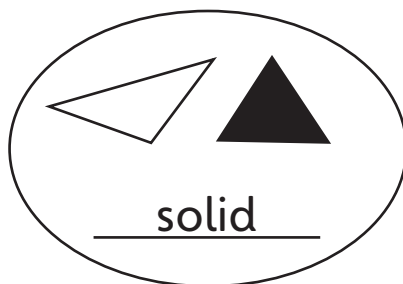
☐ Compare the groups.



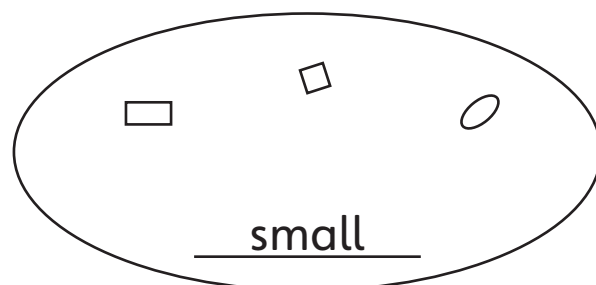
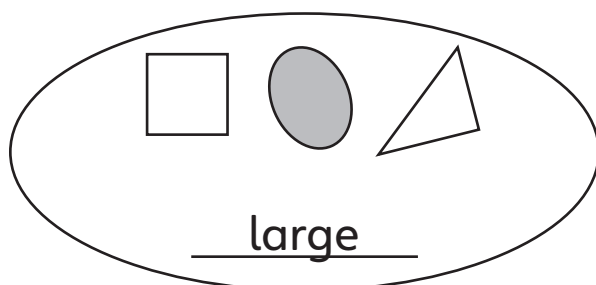
These are all foods. They are sorted by colour.



These are all shapes. They are sorted by type.



These are all triangles. They are sorted by pattern.



These are all shapes. They are sorted by size.

geometric properties

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

not geometric properties

large
fluffy
pink
has a pattern
its name starts with “s”

dotted
thick

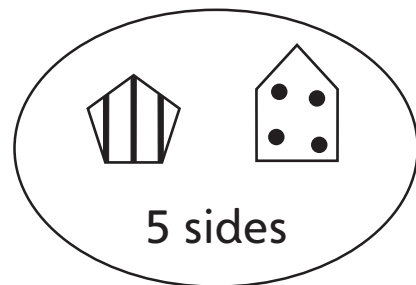
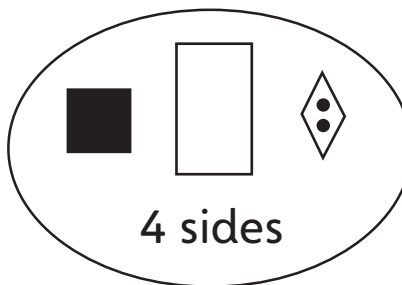
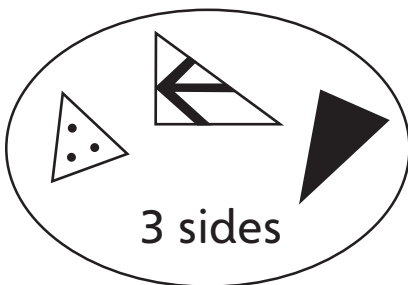
☐ Circle the geometric properties.

curly
has 5 sides
is a rectangle

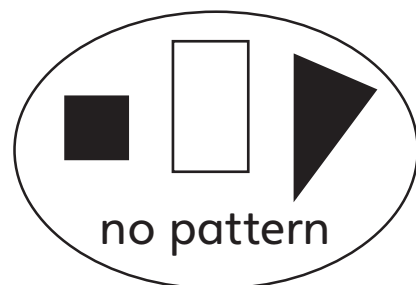
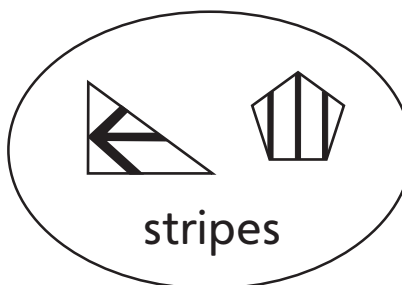
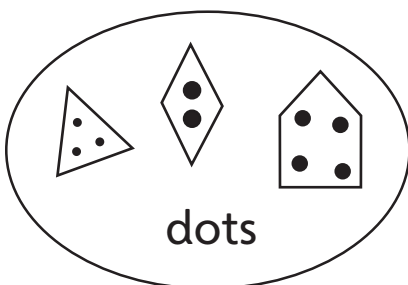
small
pretty
blue

made of wood
has 3 vertices
has 7 dots

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



This sorting is geometric.



This sorting is not geometric.

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

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

The diagram consists of two ovals. The left oval is labeled 'letters' and contains the characters M, b, h, n, c, F, and K. The right oval is labeled 'numbers' and contains the characters 5, 6, and q.

Letters	M	b	h	n	c	F	K
Numbers	5	6	9				

3 letters

bat sit two

day











2 letters

am on or

3 letters	bat	sit	two	day
2 letters	am	on	or	







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>5</u> wear mitts
Gloves						<u>3</u> wear gloves

More students wear mitts.

Sally's Clothes













	
	
	
	
	

Sally has 2 skirts.

Sally has 4 shorts.

Sally has fewer skirts
than shorts.

Marko's Flowers

		
		
		
		
		
Tulips	Roses	Daisies

4 tulips













3 roses

4 daisies

Marko has the same number
of tulips and daisies.

How many more?













Students' Ages

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

$$\underline{7} - \underline{4} = \underline{3} \text{ more}$$

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









Shoes

Running shoes										8	<u>running shoes</u>
Boots										4	<u>boots</u>

$$\underline{8} - \underline{4} = \underline{4} \text{ fewer}$$

4 fewer people wear boots than running shoes.


















Birds We Saw

Pigeons									3	<u>pigeons</u>
Robins									5	<u>robins</u>

$$\underline{5} - \underline{3} = \underline{2} \text{ fewer}$$

We saw 2 fewer pigeons than robins.

Pet Owners

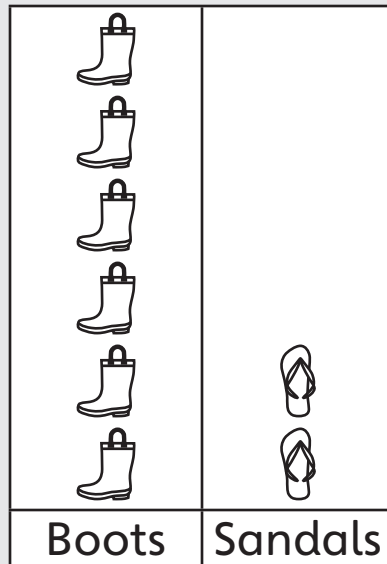
Have a pet										9	<u>have a pet</u>
Have no pet										7	<u>have no pet</u>

$$\underline{9} - \underline{7} = \underline{2} \text{ more}$$

2 more children have a pet than do not.

☐ Use the pictograph to fill in the blanks.

Shoes We Wore Today



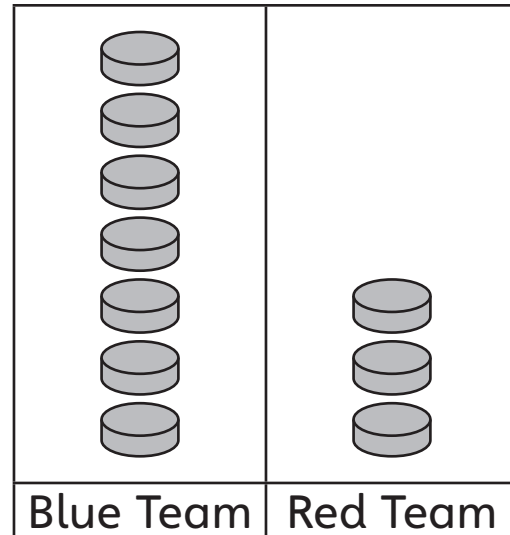
people in boots

people in sandals

+ = in total

8 people altogether

Goals Scored





















blue team goals

red team goals

+ = in total

10 goals scored in total

Favourite After-School Club

Art	     	<input type="text" value="6"/> <u>artists</u>
Sports	        	<input type="text" value="9"/> <u>athletes</u>
Music	  	<input type="text" value="3"/> <u>musicians</u>

6 + 9 + 3 = 18 altogether

18 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
_____ at home _____ than _____ at school _____.

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? No

Fix the graph so that it is easier to read.

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

☐ Use data from the graphs above.

Lunch at School

Ms. Lee’s class	L	L	L	L	L	L	L						
Mr. King’s class	K	K	K	K	K	K	K	K					

Which teacher has more students eating at school? Mr. King
How many more? 1

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- ☐ 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? 1

Shoes We Wear

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

How many fewer students wear boots than sandals? 2

Kate asked friends where they will be during March break.

Title: March Break Plans

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

How many friends did Kate ask? 14

Teacher to check.

 Write one thing you learned from Kate's graph.