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- freebie -  
K-1

**MATH NOTEBOOK  
PRINTABLES**

**data & graphs**

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Kelli @The Simple Notebook

K.MD/1.MD  
K-1 Data & Graphs  
{for notebooks}

Hello!! This pack is to help with data and graphs for kinder & first grade (using math journals). I hope it saves you time, paper and energy!

The resources are pretty straight forward-I tried to get a couple to each page to save paper! There are a few options to fit the needs of your class.


### Common Core:

K.MD.3 Classify objects into given categories; count the numbers of objects in each category and sort the categories by count.

1.MD.4 Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another.

Please check out my TPT store for more journal resources.




Regards,  
Kelli  
thesimplenotebook@gmail.com



When you see this (  ↓ ),  
this means students write  
their answer into their books.

Fonts: Sandra at Sweet Times in First  
Amanda and Kevin  
Frame: Delicious Scraps




K.MD.3/1.MD.4 Classify objects into given categories; count the numbers of objects in each category and sort the categories by count.



-- DATA and GRAPHS --

Number	Shape	How Many Shapes?									
	 triangle										
	 circle										
	 square										

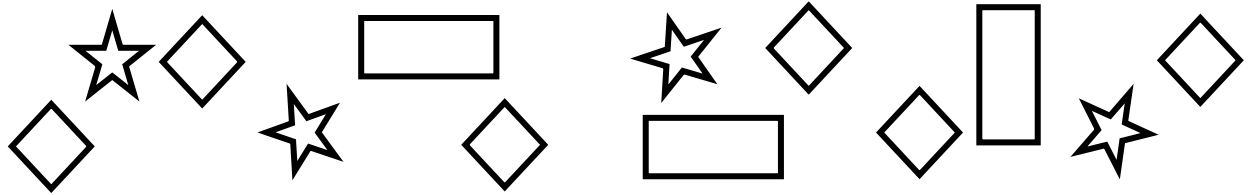
Which has the most?  ↓      Which has the least?  ↓






-- DATA and GRAPHS --

Number	Shape	How Many Shapes?									
	 triangle										
	 circle										
	 square										

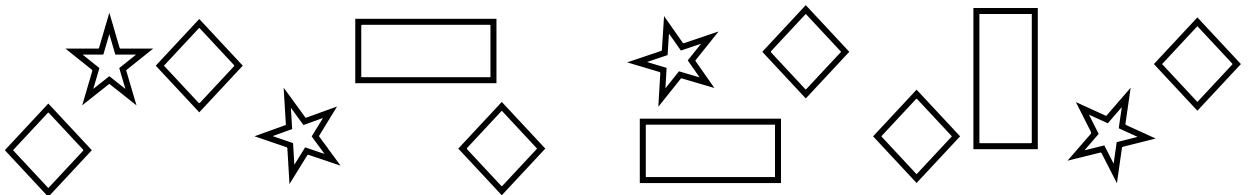
Which has the most?  ↓      Which has the least?  ↓






-- DATA and GRAPHS --



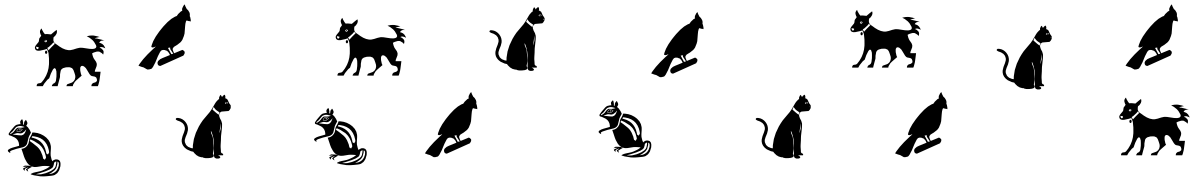
Number	Shape	How Many Shapes?							
	 star								
	 rectangle								
	 diamond								
Which has the most?  ↓					Which has the least?  ↓				

-- DATA and GRAPHS --



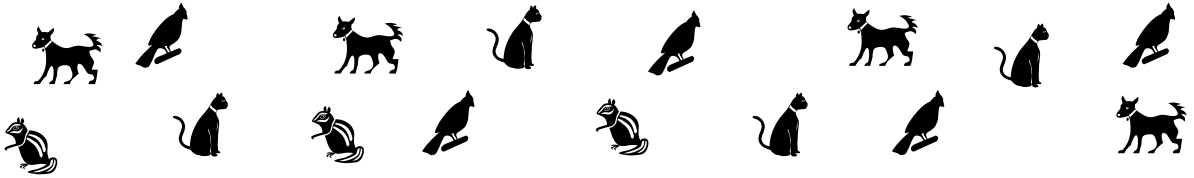
Number	Shape	How Many Shapes?							
	 star								
	 rectangle								
	 diamond								
Which has the most?  ↓					Which has the least?  ↓				

-- DATA and GRAPHS --



Number	Animal	How Many Animals?							
	 dog								
	 bird								
	 cat								
	 squirrel								
How many  ?					How many  ?				

-- DATA and GRAPHS --



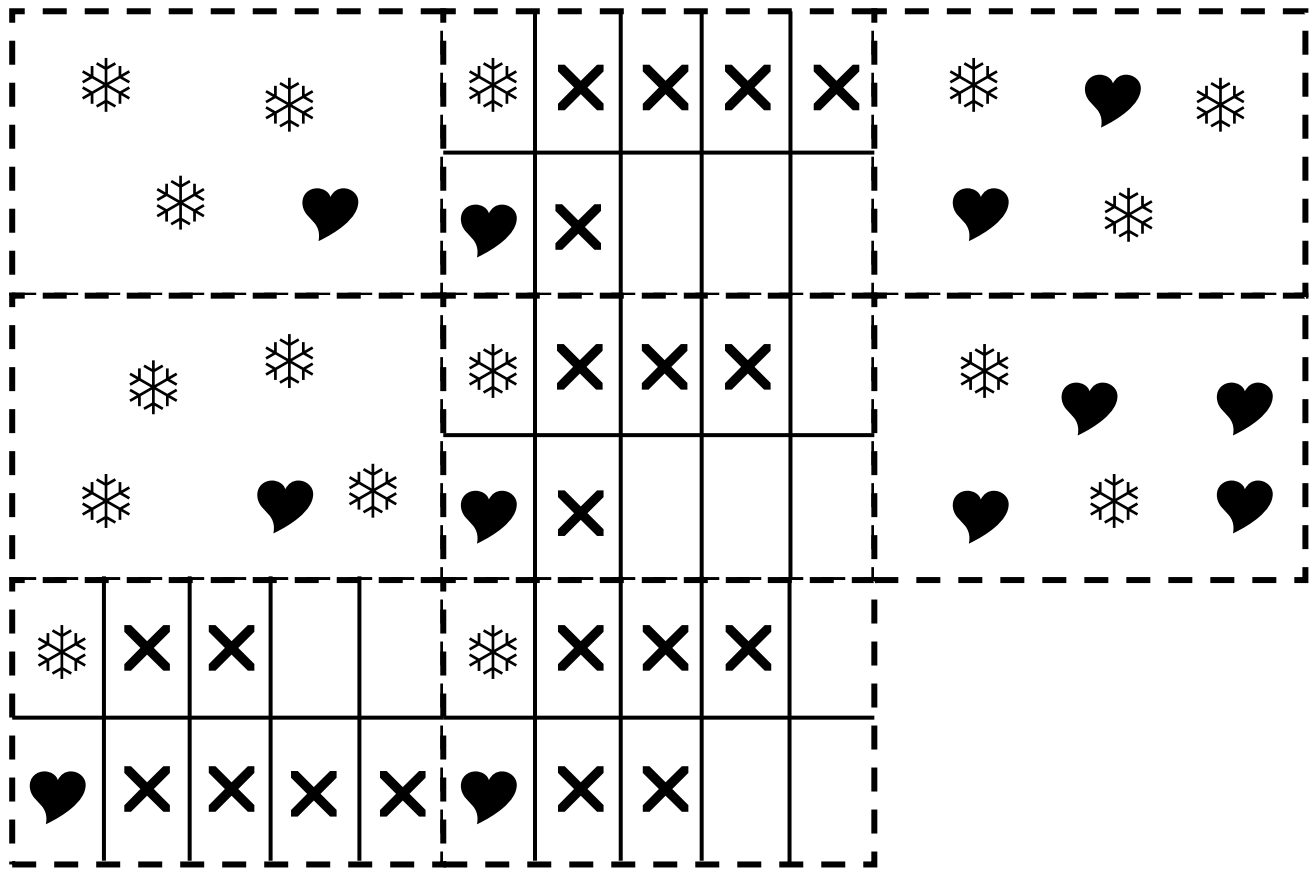
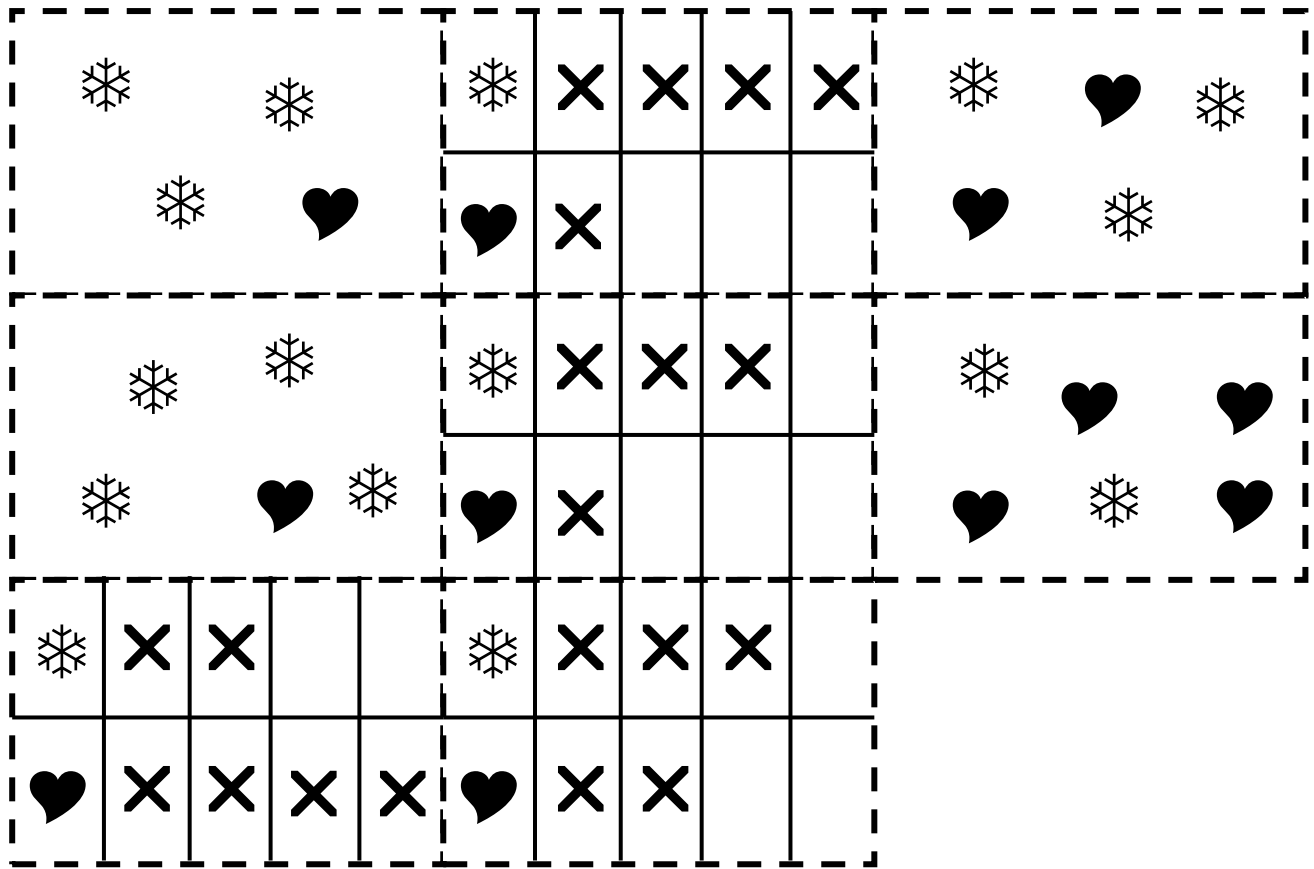
Number	Animal	How Many Animals?							
	 dog								
	 bird								
	 cat								
	 squirrel								
How many  ?					How many  ?				

K.MD.3 Classify objects into given categories; count the numbers of objects in each category and sort the categories by count.

Students match picture (data) to tables (graphs).

	<table border="1" style="width: 100%; height: 100%; text-align: center;"> <tr> <td style="width: 12.5%;">★</td> <td style="width: 12.5%;">×</td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> </tr> <tr> <td>★</td> <td>×</td> <td>×</td> <td>×</td> <td>×</td> <td></td> </tr> </table>	★	×					★	×	×	×	×		
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★	×													
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	<table border="1" style="width: 100%; height: 100%; text-align: center;"> <tr> <td style="width: 12.5%;">★</td> <td style="width: 12.5%;">×</td> <td style="width: 12.5%;">×</td> <td style="width: 12.5%;">×</td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> </tr> <tr> <td>★</td> <td>×</td> <td>×</td> <td></td> <td></td> <td></td> </tr> </table>	★	×	×	×			★	×	×				
★	×	×	×											
★	×	×												

	<table border="1" style="width: 100%; height: 100%; text-align: center;"> <tr> <td style="width: 12.5%;">★</td> <td style="width: 12.5%;">×</td> <td style="width: 12.5%;">×</td> <td style="width: 12.5%;">×</td> <td style="width: 12.5%;">×</td> <td style="width: 12.5%;"></td> </tr> <tr> <td>★</td> <td>×</td> <td>×</td> <td></td> <td></td> <td></td> </tr> </table>	★	×	×	×	×		★	×	×				
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★	×													
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★	×	×	×											
★	×	×												



Survey with graph. Chn create question and ask friends, recording by tally marks. I have done this in the past with a class list of names for the children (see pictures at the end). They can then take their data and fill in graph.


24		
23		
22		
21		
20		
19		
18		
17		
16		
15		
14		
13		
12		
11		
10		
9		
8		
7		
6		
5		
4		
3		
2		
1		
	Yes	No

24		
23		
22		
21		
20		
19		
18		
17		
16		
15		
14		
13		
12		
11		
10		
9		
8		
7		
6		
5		
4		
3		
2		
1		
	Yes	No

24		
23		
22		
21		
20		
19		
18		
17		
16		
15		
14		
13		
12		
11		
10		
9		
8		
7		
6		
5		
4		
3		
2		
1		
	Yes	No




Do you \_\_\_\_\_ ?

Make tally marks  Yes


No

Do you \_\_\_\_\_ ?

Make tally marks  Yes

No

Do you \_\_\_\_\_ ?

Make tally marks  Yes

No

Do you like \_\_\_\_\_ ?

Make tally marks

Yes

No

Do you like \_\_\_\_\_ ?

Make tally marks

Yes

No

Do you like \_\_\_\_\_ ?

Make tally marks

Yes

No

Do you like \_\_\_\_\_?

Make  tally marks

Yes

No

Do you like \_\_\_\_\_?

Make  tally marks

Yes

No

Do you like \_\_\_\_\_?

Make  tally marks

Yes

No

Do you like \_\_\_\_\_?

Make  tally marks

Yes

No

Do you like \_\_\_\_\_?

Make  tally marks

Yes

No

Do you like \_\_\_\_\_?

Make  tally marks

Yes

No

Do you \_\_\_\_\_ ?

Make check marks ✓

Yes

No

Do you \_\_\_\_\_ ?

Make check marks ✓

Yes

No

Do you \_\_\_\_\_ ?

Make check marks ✓

Yes

No

Do you \_\_\_\_\_ ?

Make check marks ✓

Yes

No

Do you \_\_\_\_\_ ?

Make check marks ✓

Yes

No

Do you \_\_\_\_\_ ?

Make check marks ✓

Yes

No

Chn create a question and ask up to 10 friends, recording answers in tally marks. Next they complete graph.

Do you \_\_\_\_\_  
\_\_\_\_\_?

Y	N
---	---

Do you \_\_\_\_\_  
\_\_\_\_\_?

Y	N
---	---

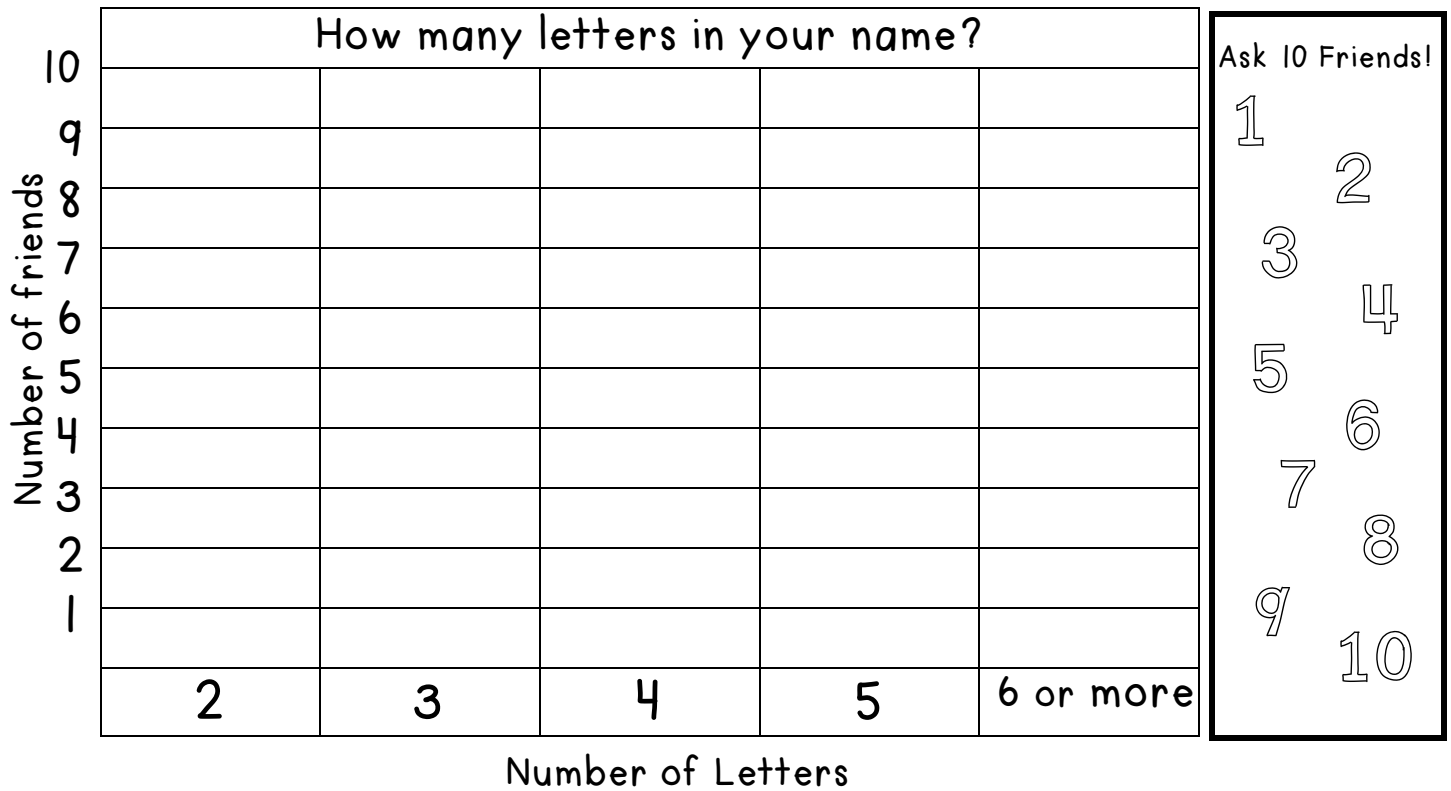
10		
9		
8		
7		
6		
5		
4		
3		
2		
1		
	Yes	No

10		
9		
8		
7		
6		
5		
4		
3		
2		
1		
	Yes	No

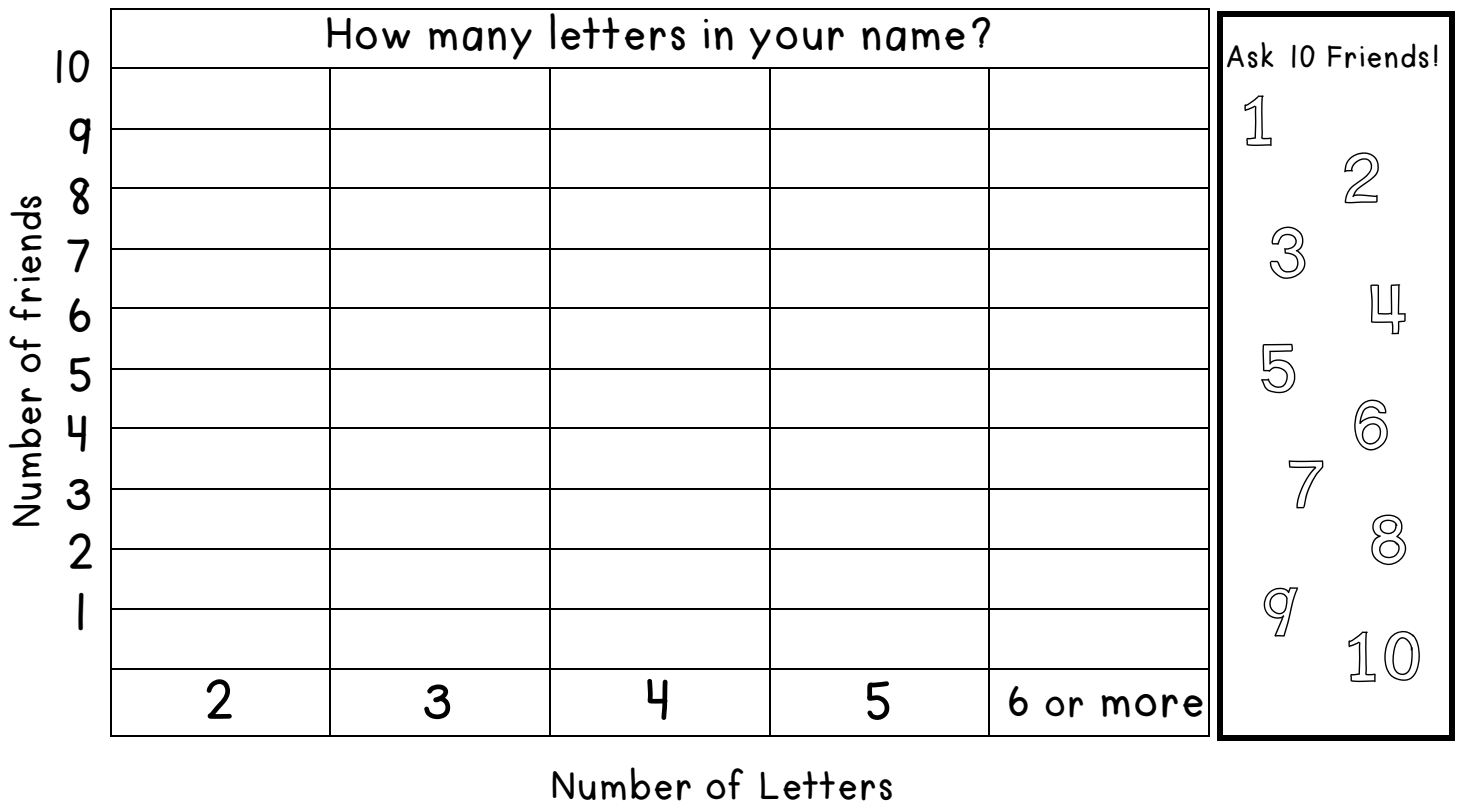
Chn survey children and fill in graph.

chn cross out #  
after they survey  
friend.

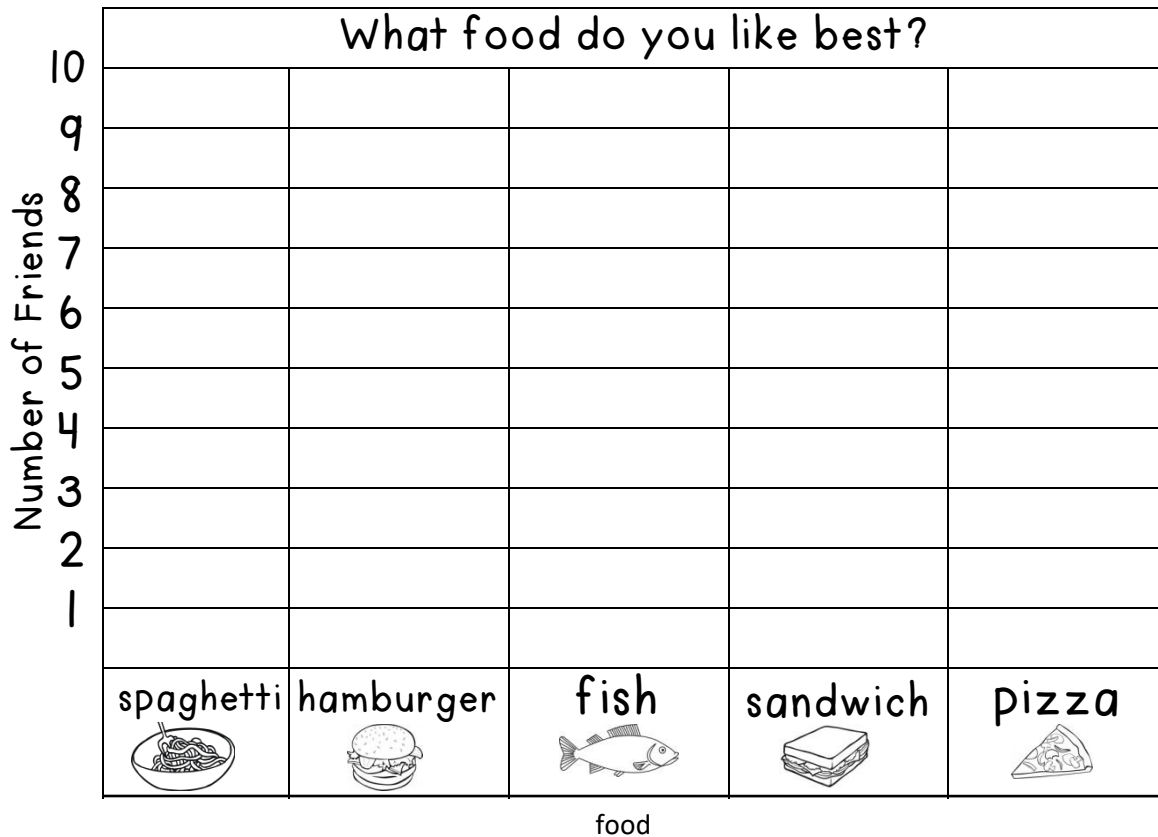




What was the most? \_\_\_ letters    What was the least? \_\_\_ letters



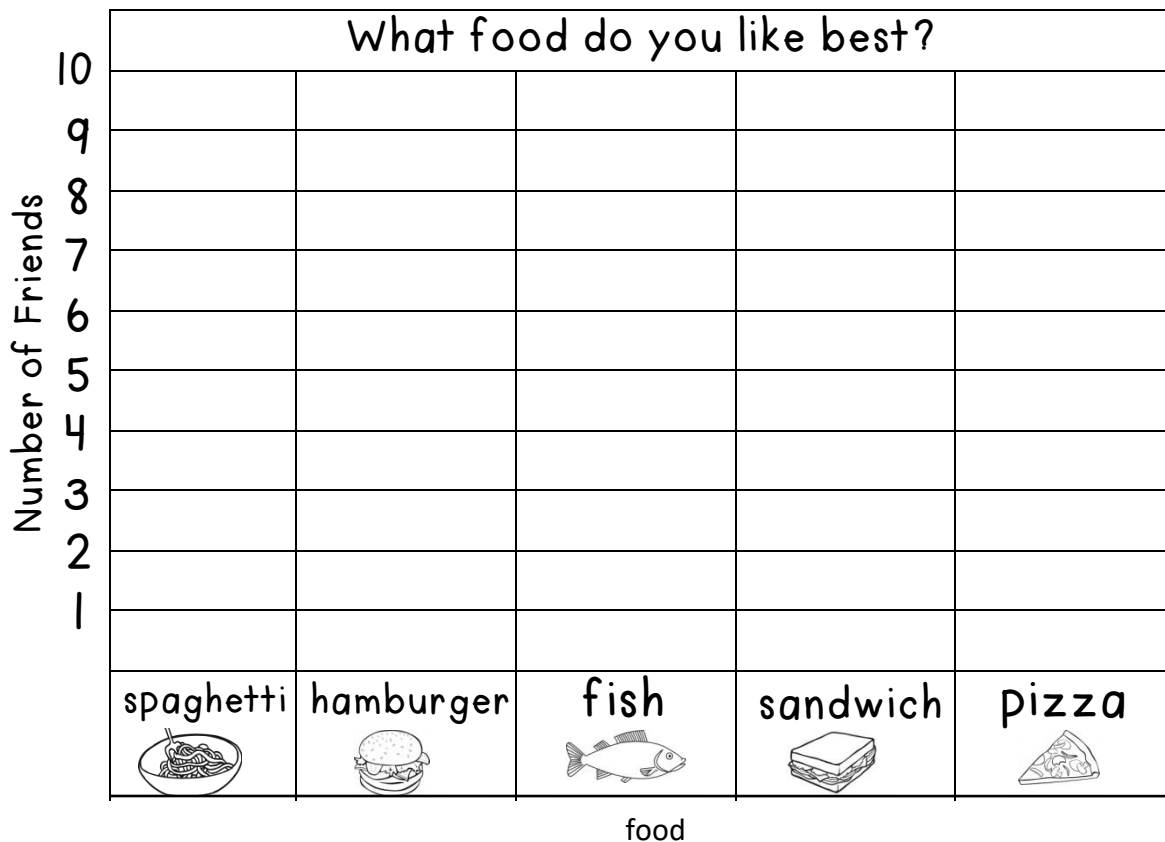
What was the most? \_\_\_ letters    What was the least? \_\_\_ letters



Ask 10 Friends!

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Were any the same (equal)? yes/no Which ones?



Ask 10 Friends!

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Were any the same (equal)? yes/no Which ones?



-- DATA and GRAPHS --

Which table shows the right number?



How many are there?

-- DATA and GRAPHS --

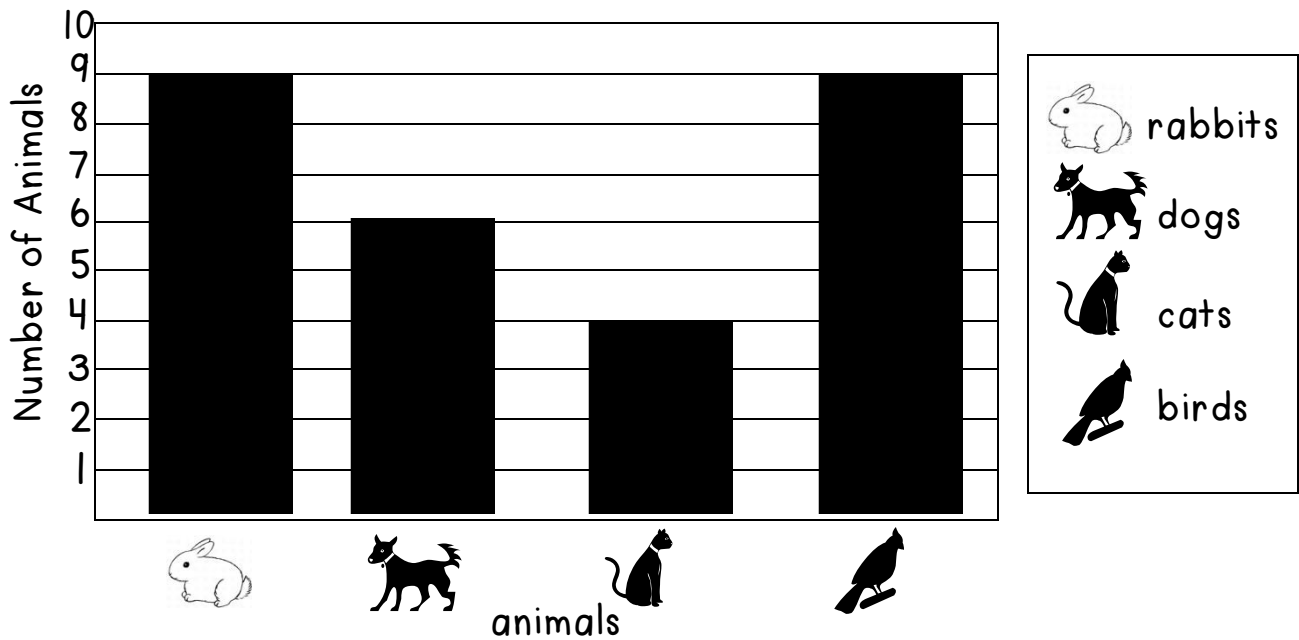
Which table shows the right number?



How many are there?

-- I Can Interpret Bar Graphs --

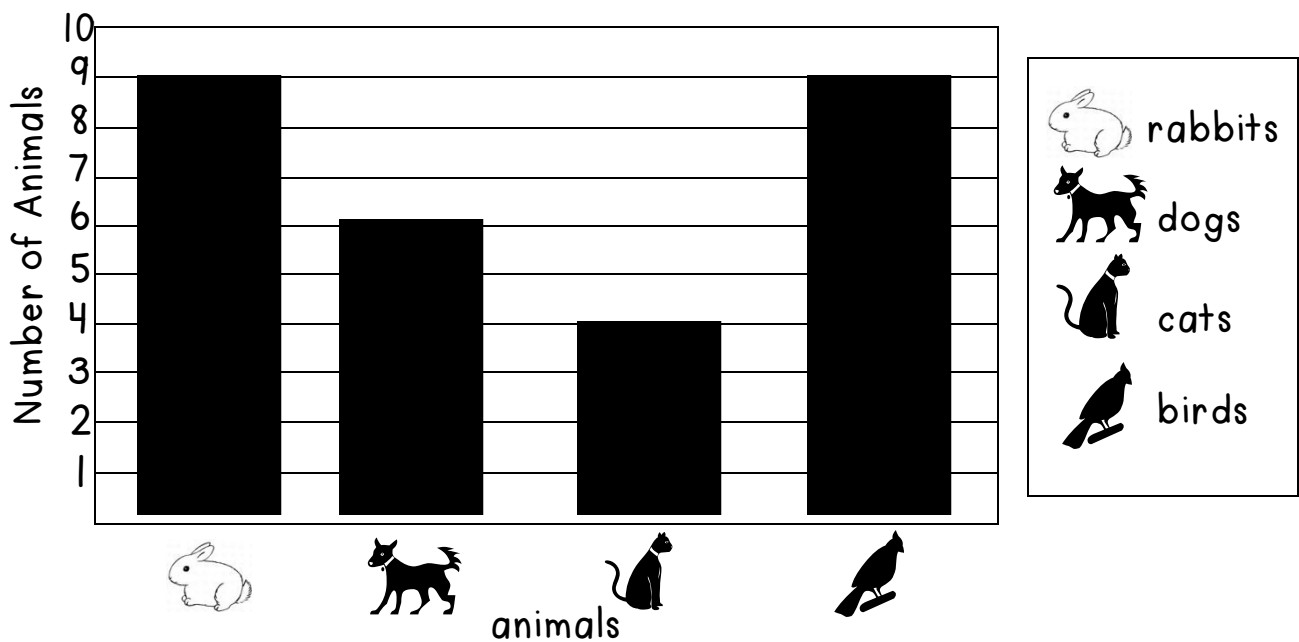
On Saturday, Jay saw many animals. He saw birds, dogs, cats and rabbits. Here is a bar graph of the animals.



How many more rabbits than cats did he see?

-- I Can Interpret Bar Graphs --

On Saturday, Jay saw many animals. He saw birds, dogs, cats and rabbits. Here is a bar graph of the animals.

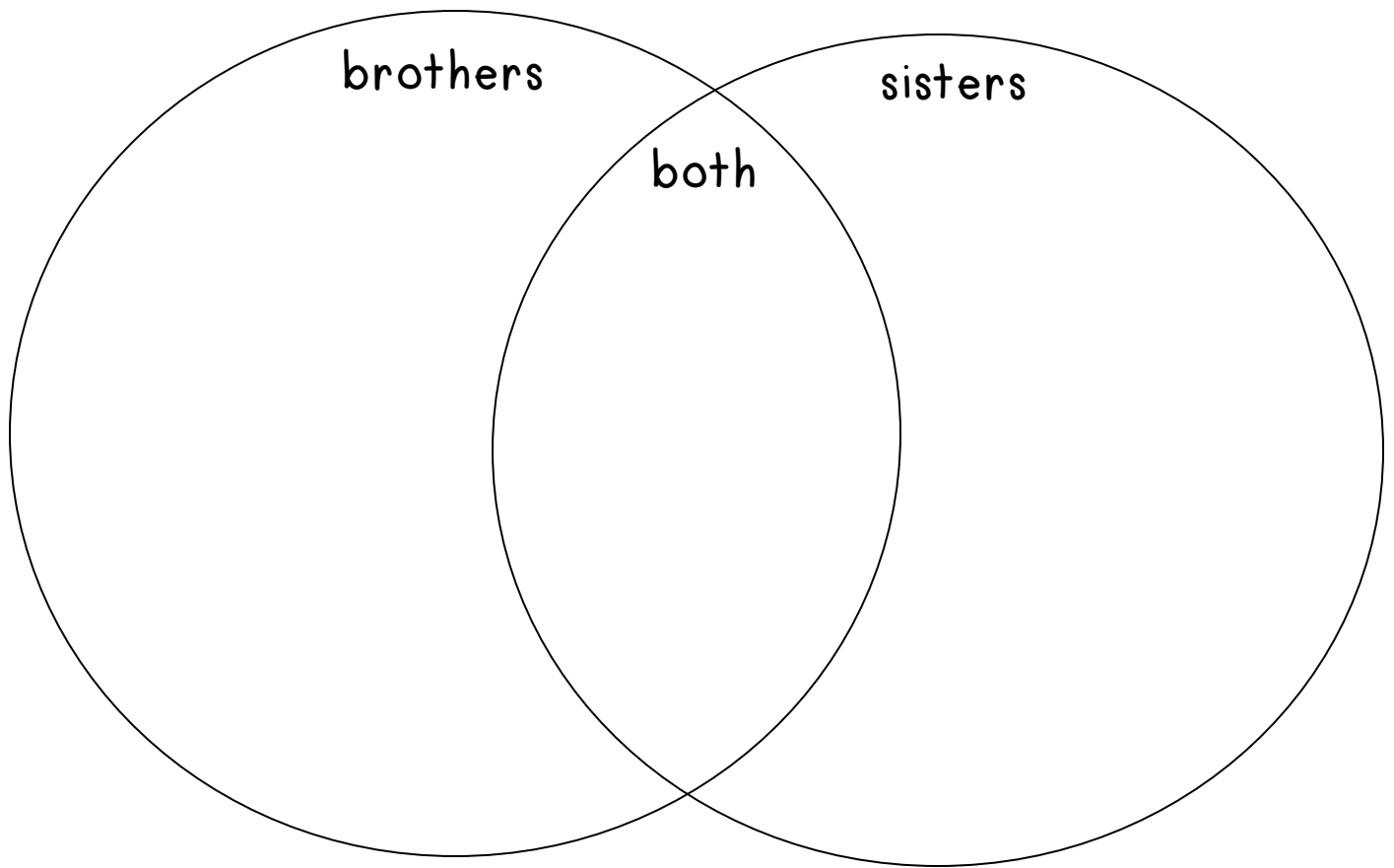



How many more rabbits than cats did he see?

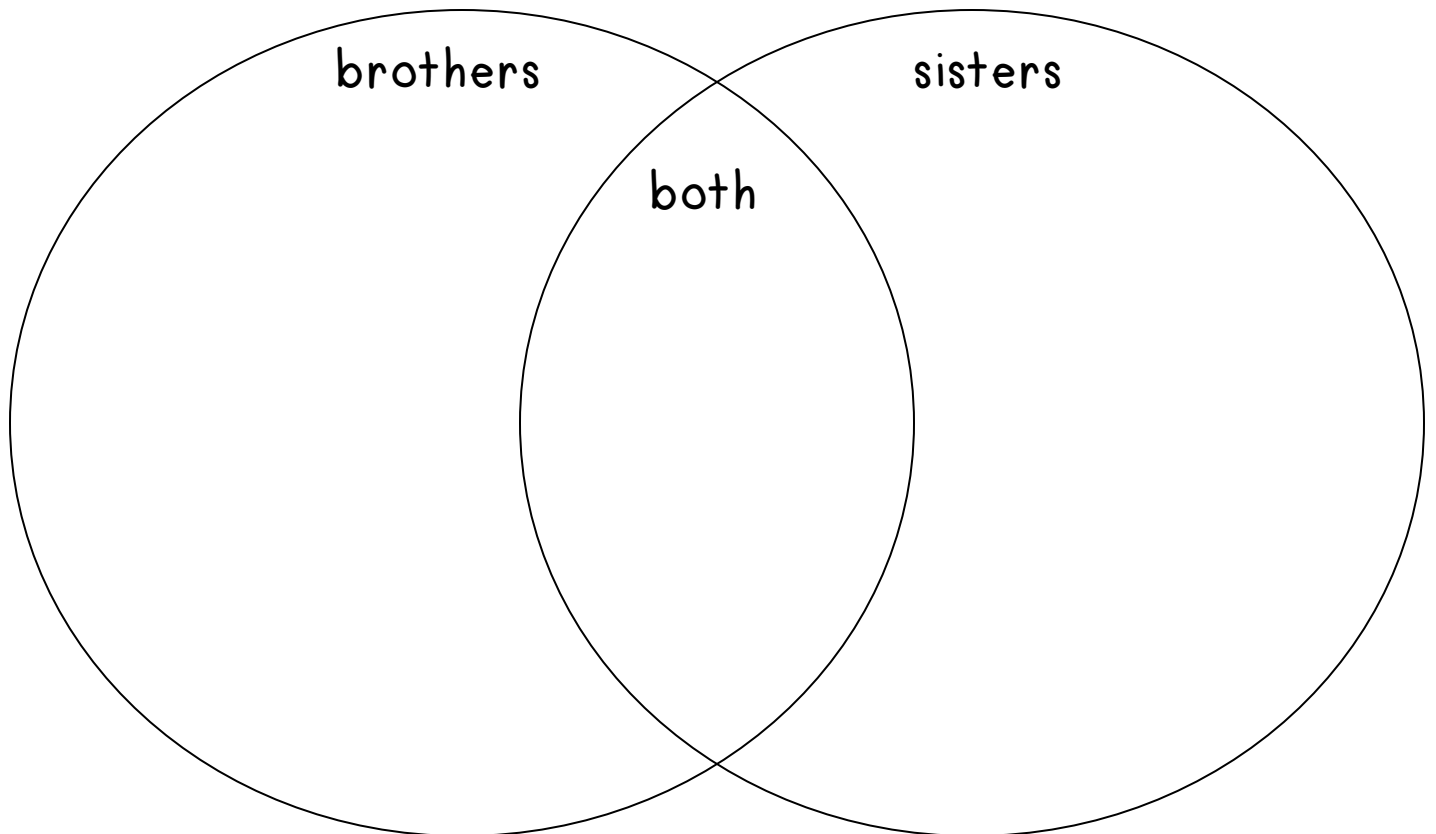
## Venn Diagram:


Have students record (a few) friends that have a brother, sister, or both. They can record what they learned into their journal (not enough room on half page of paper).

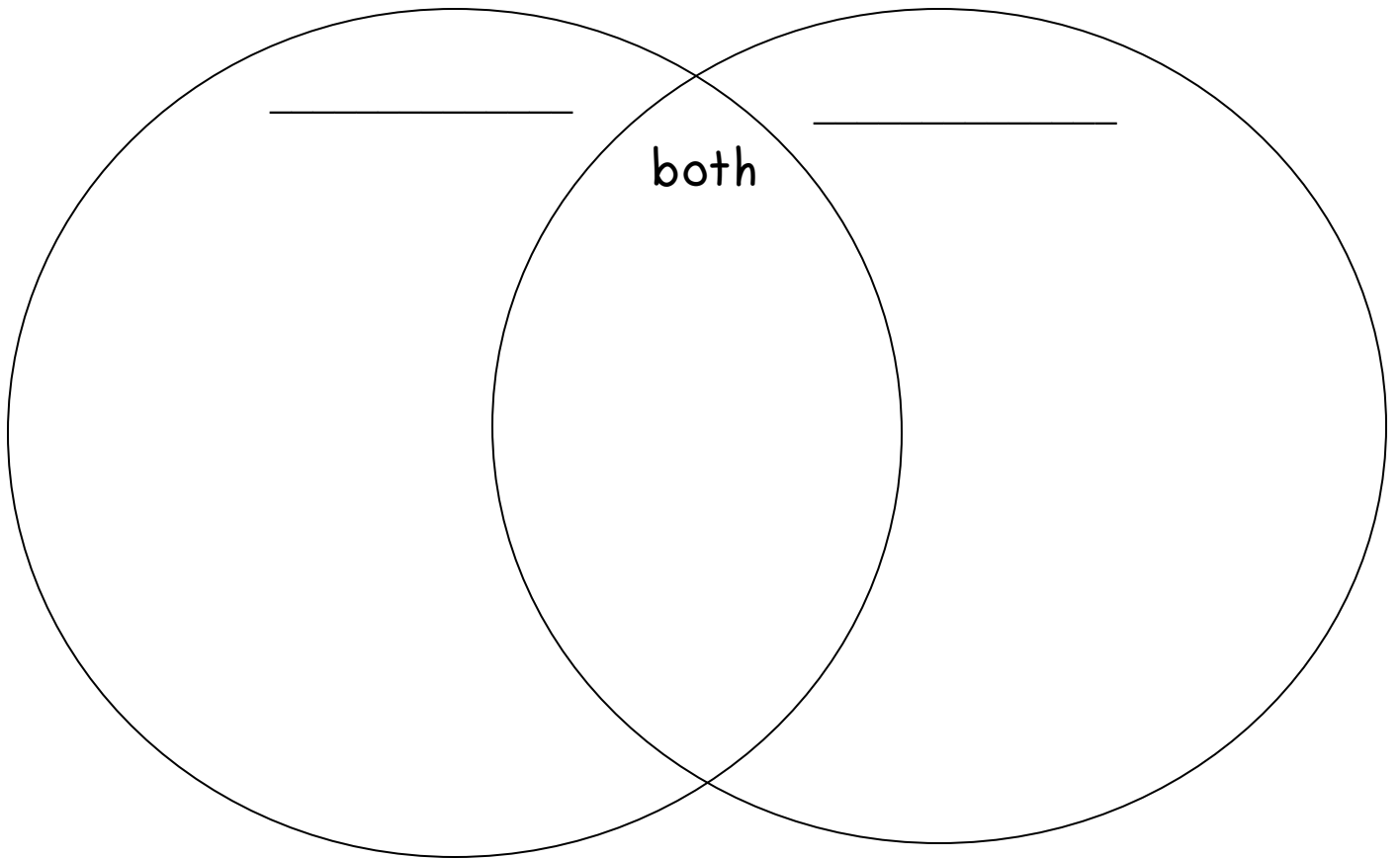
I also added a blank one-hope you can use it!




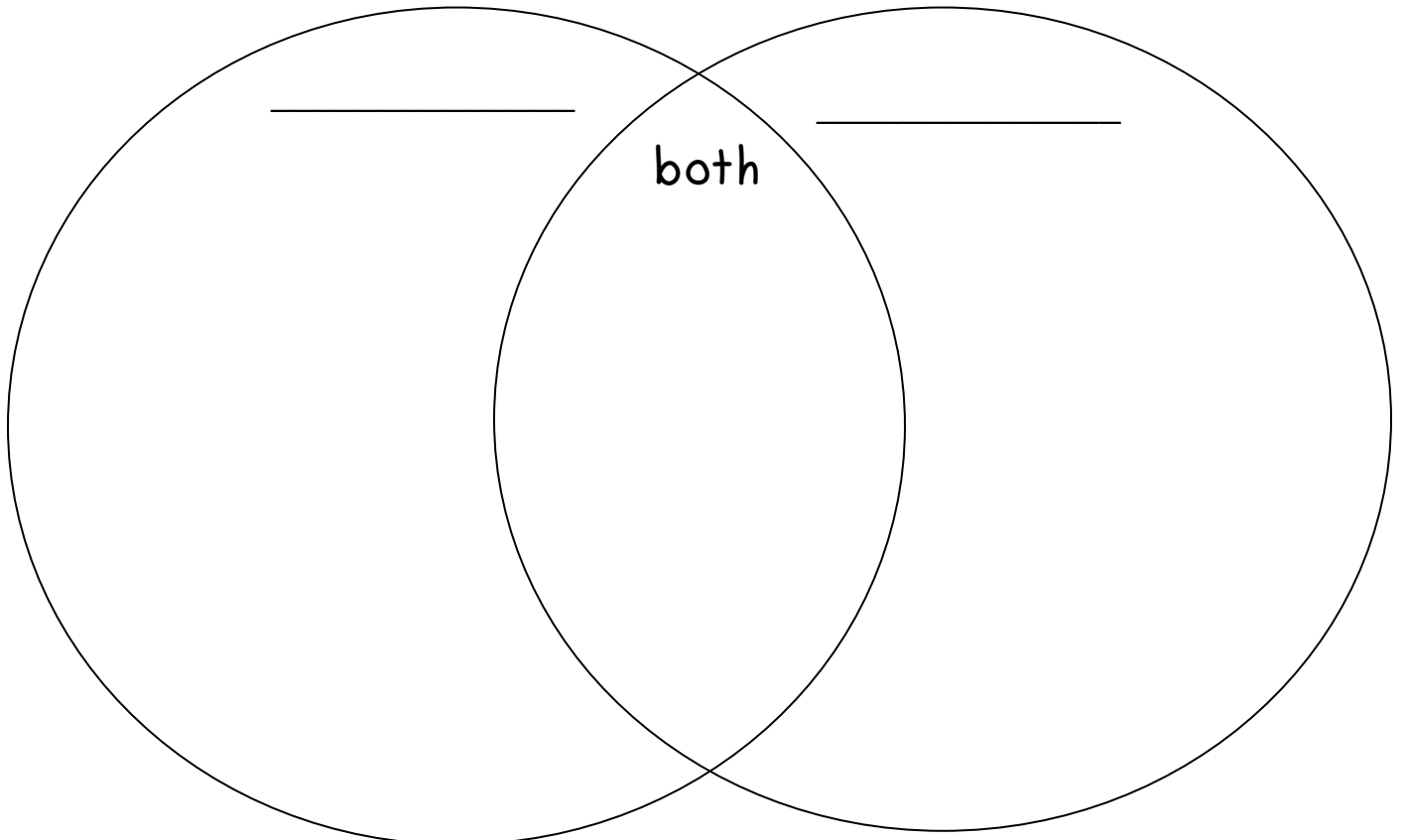
What did you learn?  ↓




What did you learn?  ↓



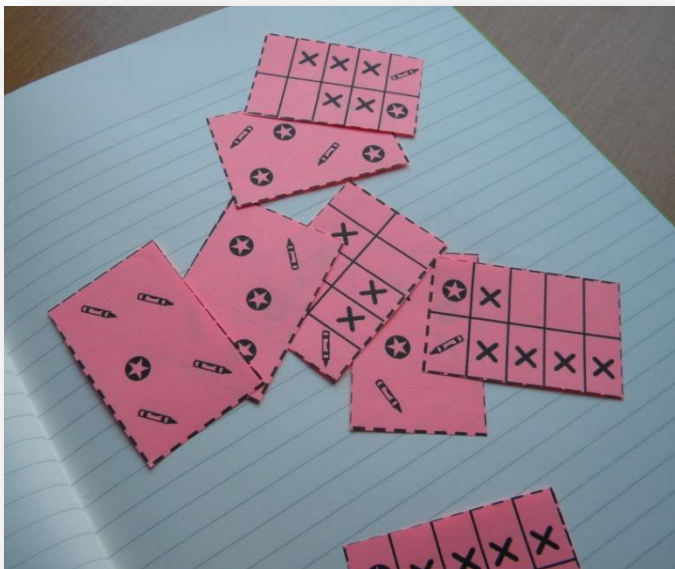
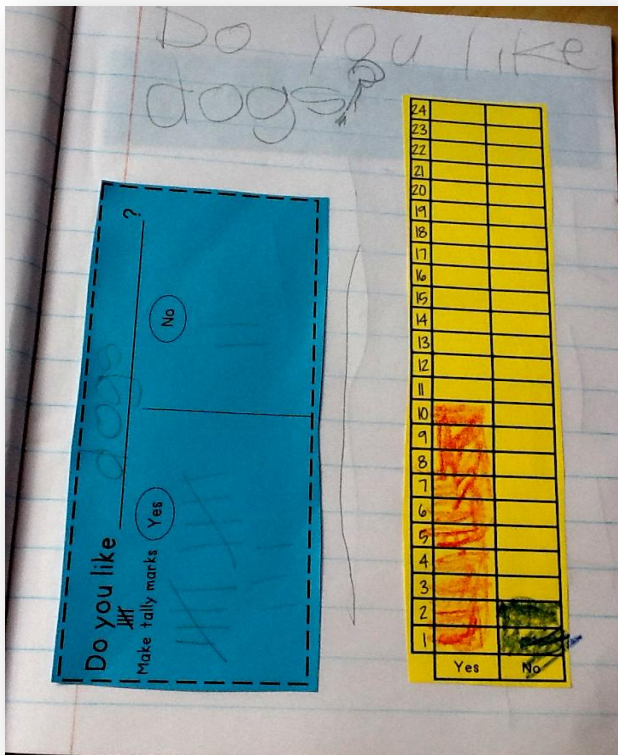
What did you learn?  ↓



What did you learn?  ↓





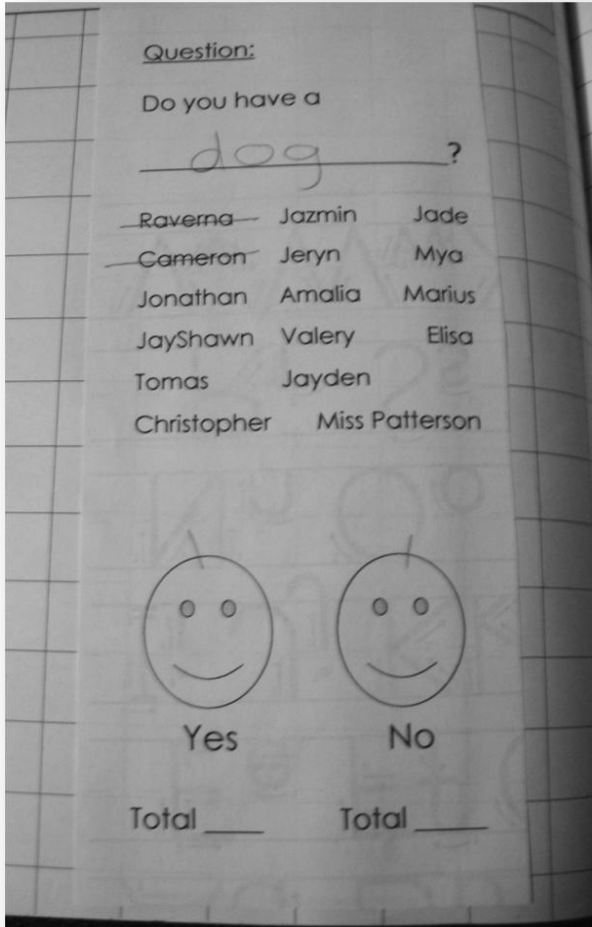


Mix and match a few times first before gluing in.



## Additional Ideas:

saw this on a class wall...comparing letters in names...would probably add numbers at the end of each name?



My kinders loved this! This helped them so they could keep track of who they asked!



# - Credit -

