

Instructions

Thank you for downloading this beginning graphing packet. These sheets are intended to help you get started making bar graphs, line graphs and pie charts. You may find as your children develop these skills, that they may want to draw their own graphs using graphing paper. For more information, visit our blog:

[Peanut Butter Fish Lessons](#)

Here is a quick summary of when you might want to use each type of graph:

Line Graphs:

Line graphs are good for comparing changes over time, especially small changes that may not show as well on other graphs. You can also have more than one group on a line graph and compare the groups to each other over time.

Bar Graphs:

A bar graph can be used to compare different variables or to compare large changes over time. They do not show small changes very well over time as line graphs do. They also are not the best for comparing multiple groups to each other over time.

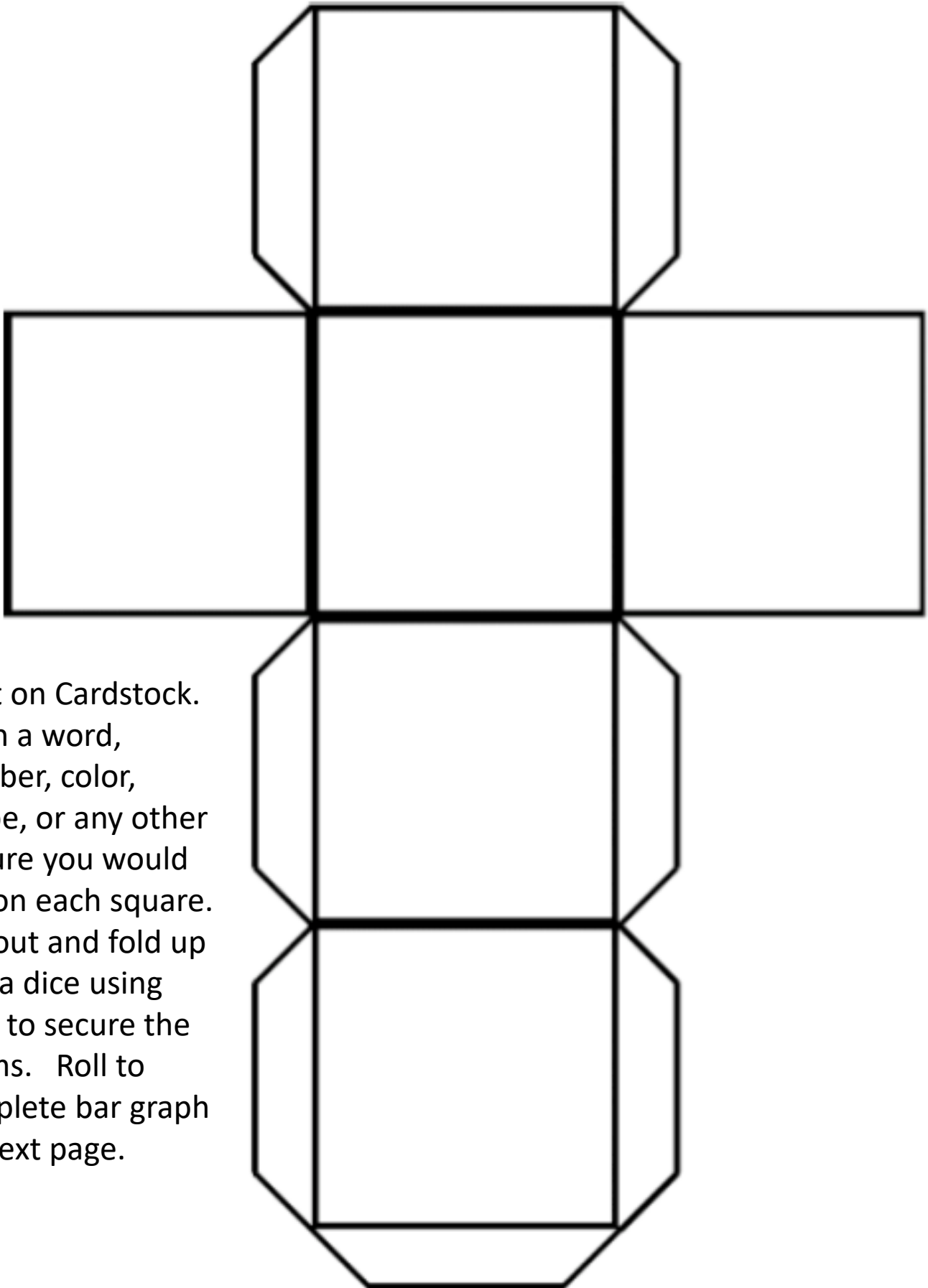
Pie Charts:

A pie chart shows parts of a whole, but does not show changes over time. It shows a snapshot of information at a fixed point in time. Each part may be labeled with category or it may be color-coded with a key to label each color.

Table of Contents

Page 2	Make Your Own Dice – use to make your own bar graph
Page 3	Simple Bar Graph
Page 4	Tally Sheet - to perform a survey
Page 5	Bar Graph – with more variables
Page 6	Line Graph
Pages 7-8	Pie Charts

Make Your Own Dice



Print on Cardstock.
Fill in a word,
number, color,
shape, or any other
picture you would
like on each square.
Cut out and fold up
into a dice using
tape to secure the
seams. Roll to
complete bar graph
on next page.

Bar Graph

Roll the dice and color the square immediately above the word or picture you rolled. Continue coloring in the next square for the picture rolled to complete the graph.

8						
7						
6						
5						
4						
3						
2						
1						

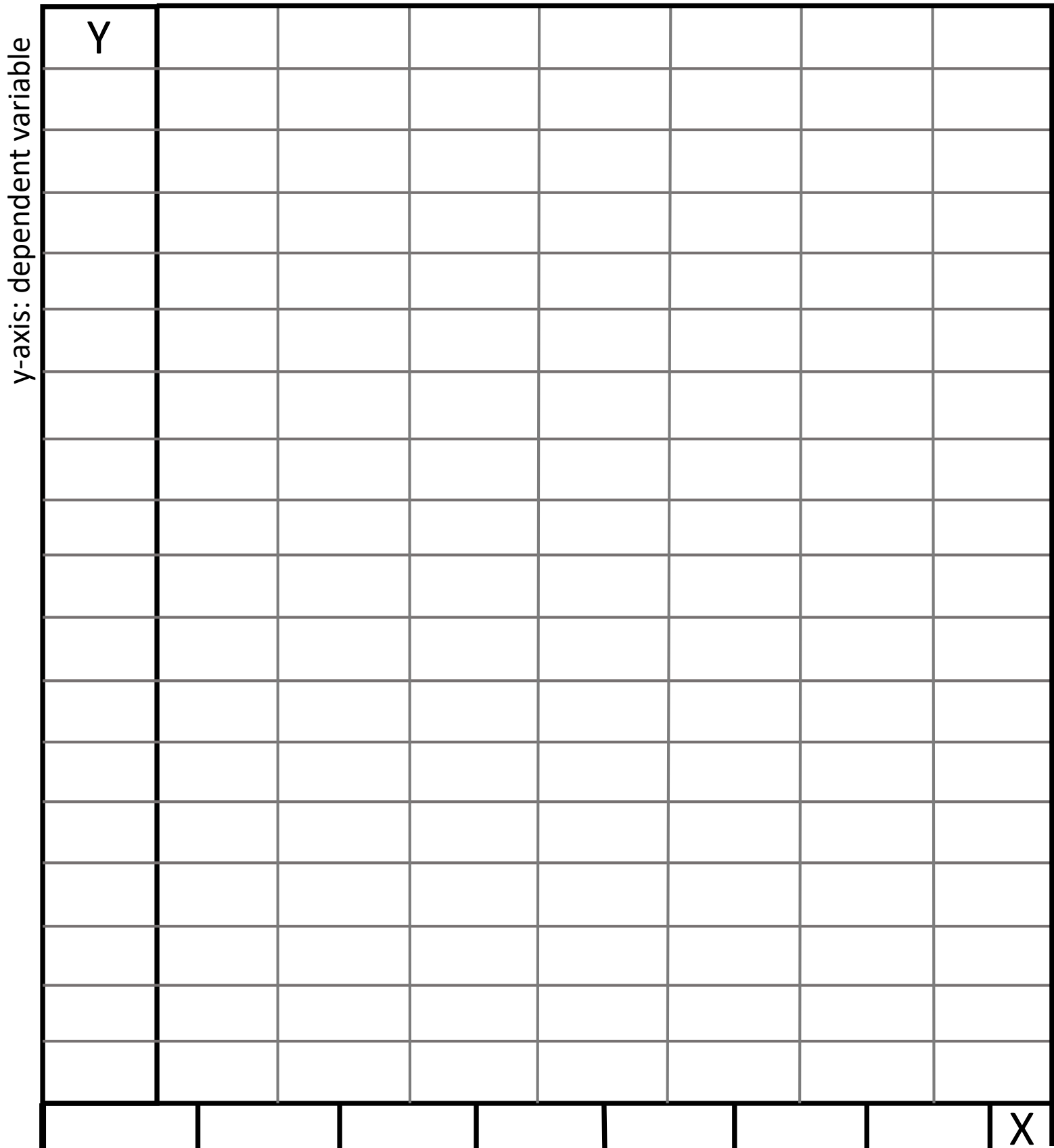
Survey Question: _____ ?

Fill in your survey choices across the bottom row. Use the information from your tally sheet to complete a bar graph. If you need more space, you may use a piece of graph paper and draw your own graph.

17							
16							
15							
14							
13							
12							
11							
10							
9							
8							
7							
6							
5							
4							
3							
2							
1							

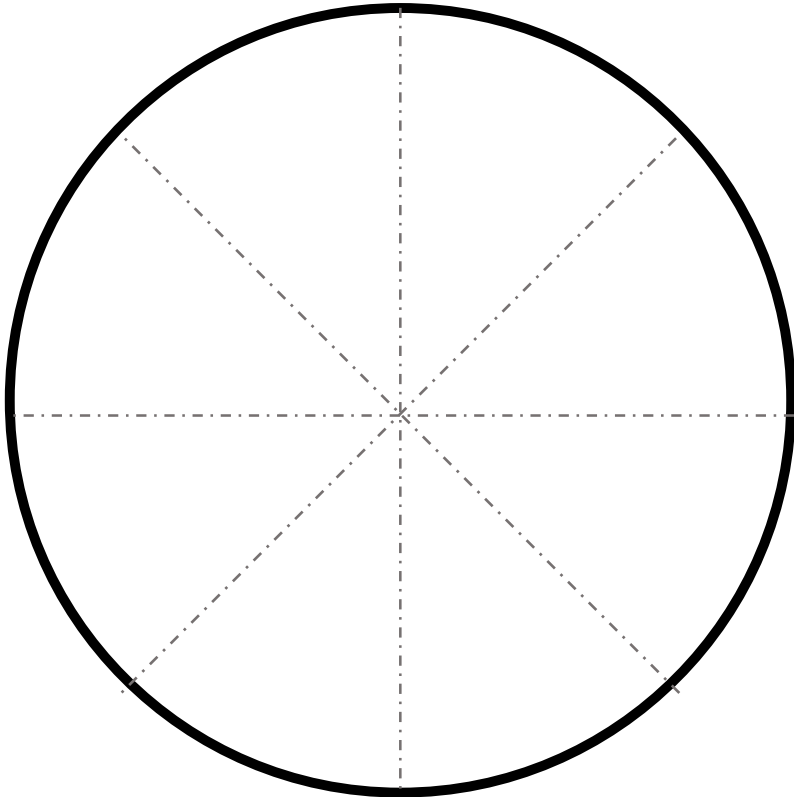
Line Graph

Enter the values for your dependent variables in the boxes in the left hand column. Enter your independent variables, such as time, in the boxes below each gray line. This graph holds up to six independent variables. If you would like more, you may use a piece of graph paper to create your own graph.



Pie Charts

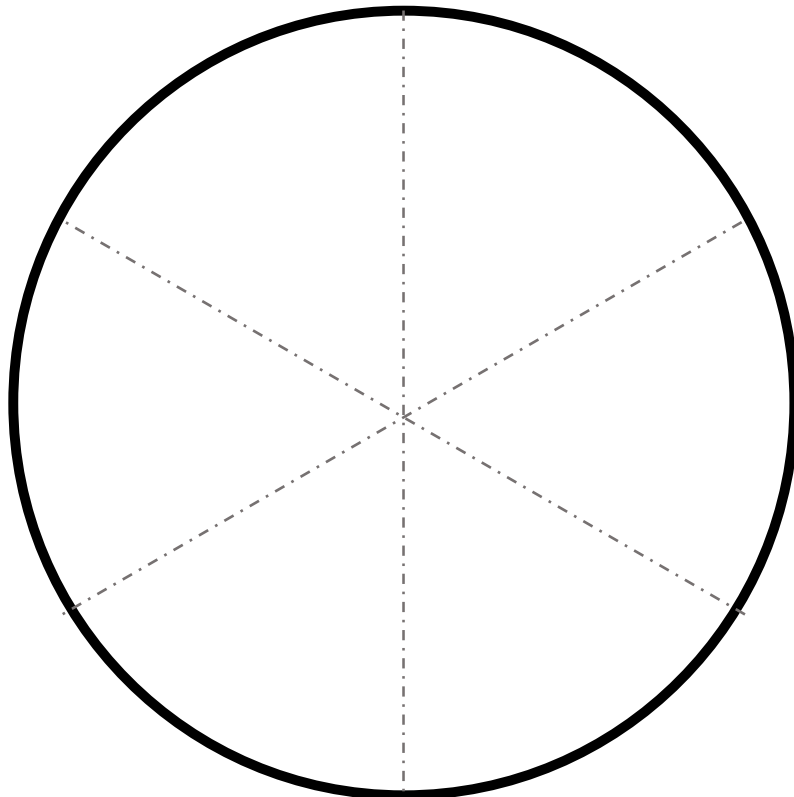
Complete the pie charts using the guidelines to help you fill them in or draw your own circle charts and divide them up. Don't forget to fill in the key or write your variables on the pie chart itself.



Key

<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____

©2018 Randi Smith www.peanutbutterfishlessons.com



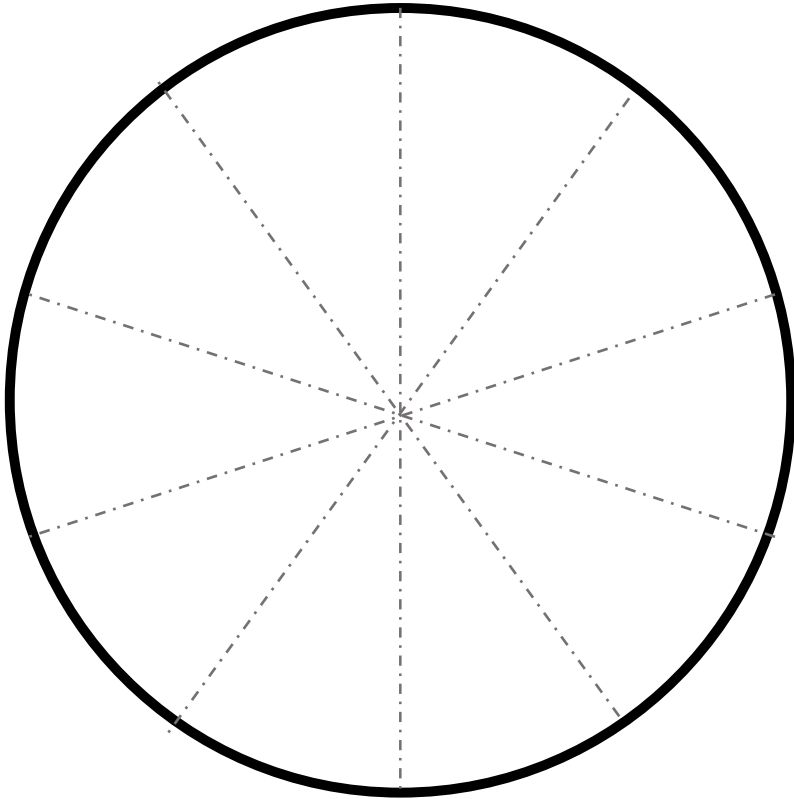
Key

<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____

©2018 Randi Smith www.peanutbutterfishlessons.com

Pie Charts

Use the pie charts with the guidelines to help you fill them in or draw your own circle charts and divide them up. Don't forget to fill in the key or write your variables on the pie chart itself.



Key

<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____

Terms of Use

Thank you for your purchase! By purchasing this resource, you are agreeing that the contents are the property of Randi Smith and licensed to you only for classroom/personal use as a single user. I retain the copyright, and reserve all rights to this product.

YOU MAY:

- * Use items (free and purchased) for your own classroom students, or your own personal use, including a home classroom.
- * Reference this product in blog posts, at seminars, professional development workshops, or other such venues PROVIDED there is both credit given to myself as the author and a link back to my TPT store included in your post/presentation.
- * Distribute and make copies of FREE ITEMS ONLY to other teachers PROVIDED there is credit given to Randi Smith and a link back to my TPT store.

YOU MAY NOT:

- * Claim this work as your own, alter the files in any way, or remove/attempt to remove the copyright/ watermarks.
- * Sell the files or combine them into another unit for sale/free.
- * Post this document for sale/free elsewhere on the internet (this includes Google Doc links on blogs).
- * Make copies of purchased items to share with others is strictly forbidden and is a violation of the Terms of Use, along with copyright law.
- * Obtain this product through any of the channels listed above.

Thank you for abiding by universally accepted codes of professional ethics while using this product.

If you encounter an issue with your file, notice an error, or are in any way experiencing a problem, please contact me and I will be more than happy to help sort it out!

Thank you, Randi Smith