

# GRAPHING BUNDLE

Special Ed

How many customers are in each restaurant?

Record the totals

McDonalds		
KFC		
Taco Bell		
Pizza Hut		

Circle the one with the most.

4	10	9	6
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Which fruit was everyone's favorite?

Record the totals

apple		
banana		
strawberry		
watermelon		

On the table, circle the one with the most.

15	35	25	40
----	----	----	----

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Favorite Class

Record the totals

math		
music		
art		
science		

Circle the one with the most.

4	8	6	7
---	---	---	---

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Average number of visitors per hour

Record the totals

8:00 AM		4:00 PM	
10:00 AM		6:00 PM	
12:00 PM		8:00 PM	
2:00 PM			

12	10	8	16	10	2	6
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ALSO INCLUDES GOOGLE SLIDES



For students who:

- *are emerging or non-readers*
- *take alternate assessments*
- *are in special education*
- *short-attention span*
- *lack pre-requisite skills*
- *benefit from the use of pictures for support*

## Why you need this bundle:

- If you teach multiple grade levels, you have all you need in one place.
- Having the same layout for each unit reduces students' anxiety and allows them to focus on the content.
- Aligned with extended learning standards.
- Saves you money
- Saves you time.



***Includes:***

- ***20 pictograph worksheets***

- ***Bar Graph unit***

- ***Line Graph unit***

- ***Pie Chart unit***

**All units have  
printable AND  
digital  
versions**

## ***Each unit has:***

- ***lesson plan (5 days)***
- ***Book***
- ***Labeling parts of the graph***
- ***Reading graphs***
- ***Drawing graphs***

**All units have  
printable AND  
digital  
versions**

- ***All units include differentiated versions of the activities.***

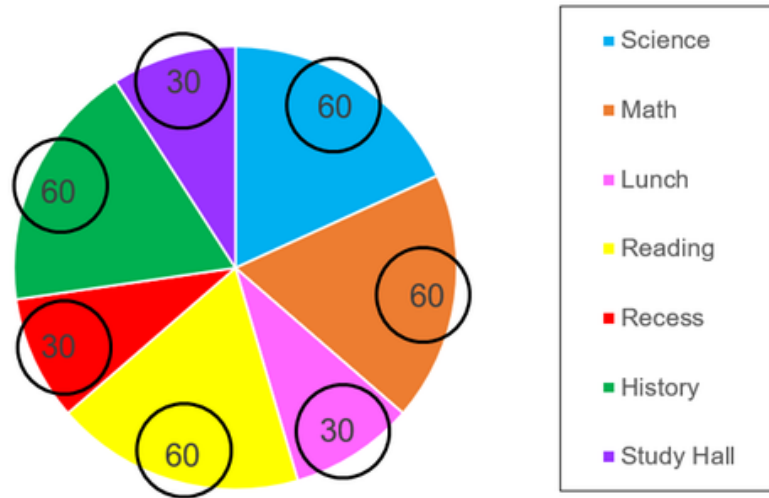
***NOTE: The pictographs are just worksheets and not a complete unit.***

## Day 2

Activity	Notes	Materials
Read or listen to Book 1: <b>Pie Charts</b> (10 minutes)	<ul style="list-style-type: none"><li>• Read through the story, asking lots of questions</li><li>• Continue to make connections between book and vocabulary board</li></ul>	<ul style="list-style-type: none"><li>• Book</li><li>• Vocabulary board</li></ul>
Group activity: Creating Pie Charts (10 minutes)	<ul style="list-style-type: none"><li>• See activity for directions and suggestion for use</li></ul>	<ul style="list-style-type: none"><li>• Pie chart templates</li><li>• Manipulatives</li><li>• Dry erase markers</li></ul>
Labeling a pie chart review (5 minutes)	<ul style="list-style-type: none"><li>• Review the worksheet completed yesterday</li></ul>	<ul style="list-style-type: none"><li>• Worksheet completed yesterday</li></ul>
Reading Pie Charts (10 minutes)	<ul style="list-style-type: none"><li>• Students will answer questions about a pie chart (there are 10 different pie charts for practice)<ul style="list-style-type: none"><li>◦ Students can write in answers or use the numbers provided and cut and paste them into the chart</li><li>◦ There is a differentiated version that has the colors/patterns added to the data table for more support.</li></ul></li><li>• Make connections to the book as necessary</li></ul>	<ul style="list-style-type: none"><li>• Pie Chart worksheet</li><li>• Scissors</li><li>• Glue</li></ul>
Sharing (10 minutes)	<ul style="list-style-type: none"><li>• Each student shares their finished worksheet with the group using the communication method of their choice</li></ul>	<ul style="list-style-type: none"><li>• Completed worksheets</li><li>• Communication devices</li></ul>

Every unit has a detailed lesson plan with suggestions, a quick look, and a daily step-by-step guide.

Minutes for each class on Monday



The numbers on each section of pie chart tells us **how many** minutes was spent in that class.

©ChristaJoy, SNSK

Every unit has a book with simple text and engaging photos or illustrations. It comes as:

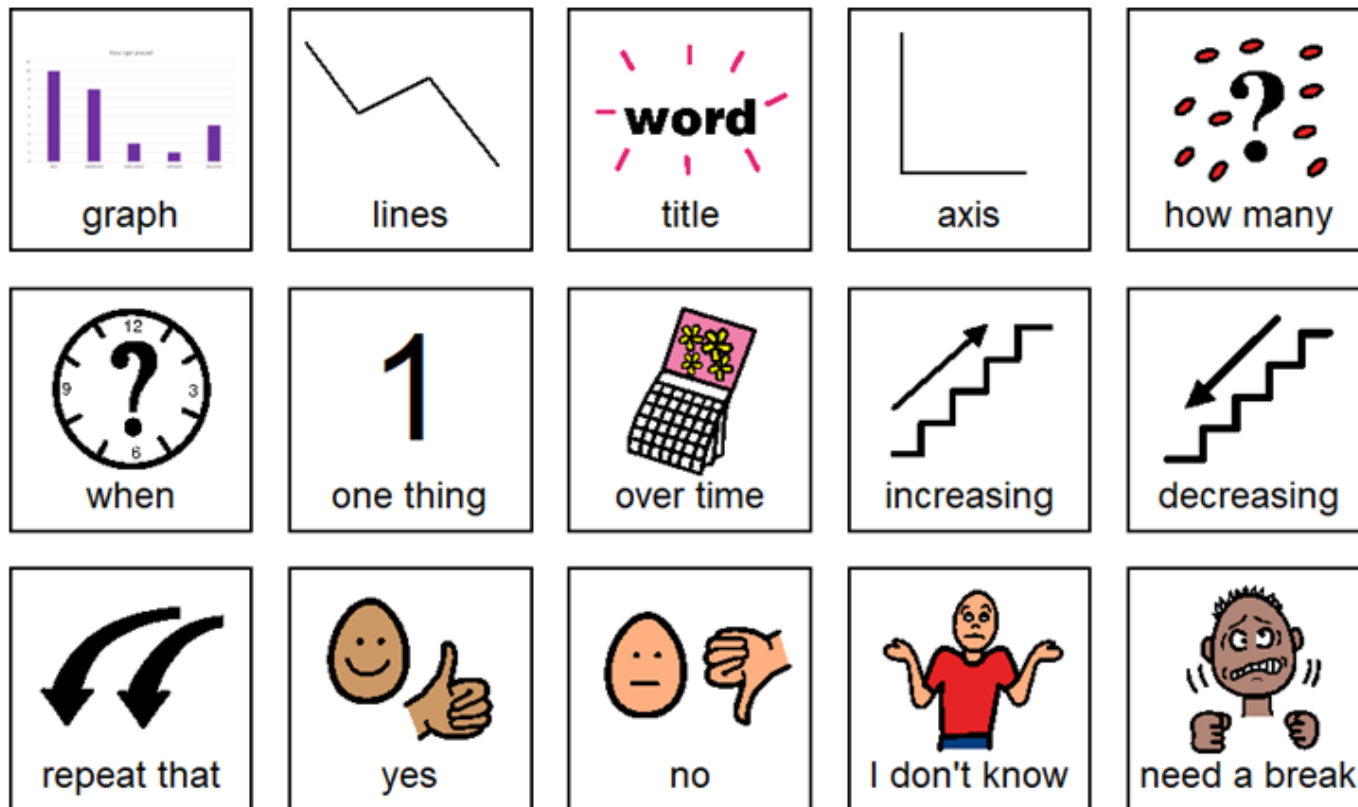
- PowerPoint
- mp4 file

Number of visitors each week



Here is one more. The title tells you this graph is measuring **how many** visitors come to the museum each week. The numbers on the side tell you **how many** visitors come. And, on the bottom, it tells you **when**, or which week the visitors were there.

©ChristaJoy, SNSK



Every unit has a vocabulary board to use while working through the unit. Suggestions for use are included.

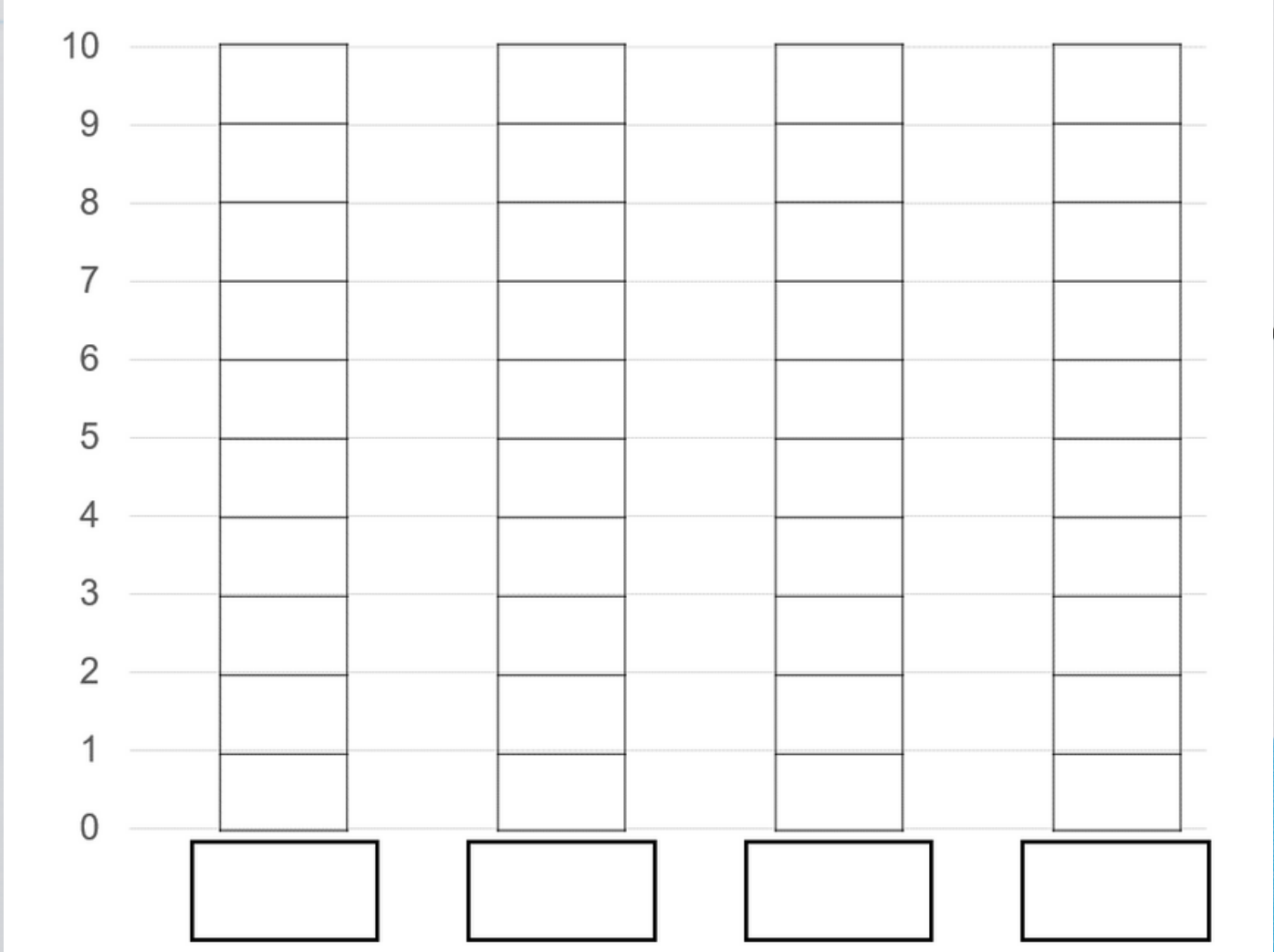




Each unit comes with a group activity.

### Creating bar graphs: Group activity

- Print templates on cardstock and laminate
- Give each student a graph template and 4 sets of manipulatives.
- Suggestions:
  - Small bear counters
  - Snap cubes
  - One cubes from a base ten set
  - Flat counters
  - Small wooden blocks
  - Novelty erasers
- Option 1:
  - Write in a quantity in each empty square below each column
  - Students place the correct number of counters, creating a bar graph
- Option 2
  - Teacher places manipulative on bar graph and students write number in the blank boxes below each column.
- Questions to ask:
  - Which bar/column has the most?
  - Which bar/column has the least?
  - How many more or less is one bar/column than another?
  - Which bar/column shows a value of X?



# Reading Bar graphs

- 10 worksheets
- 10 differentiated worksheets
- color and black and white

Differentiated with boxes to count.

**Favorite Holiday**

Christmas	Halloween	Thanksgiving	July 4th
8	6	4	10

Record the totals

Christmas		
Halloween		
Thanksgiving		
July 4th		

Circle the one with the most.

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**Favorite Holiday**

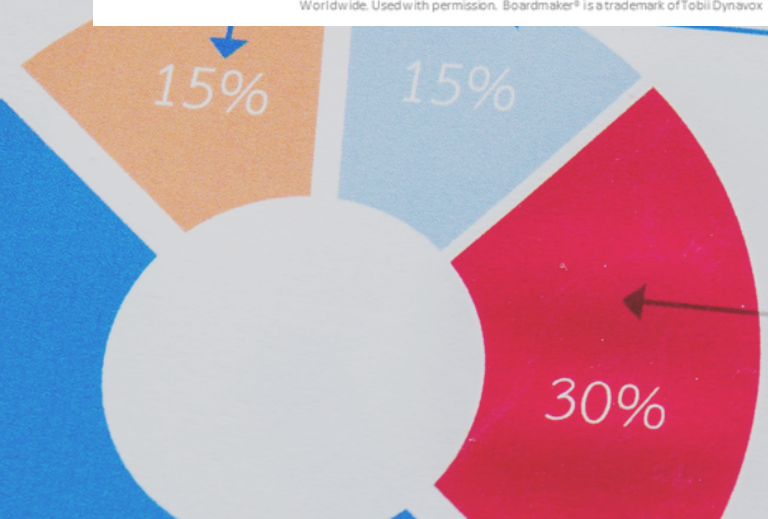
Christmas	Halloween	Thanksgiving	July 4th
8	6	4	10

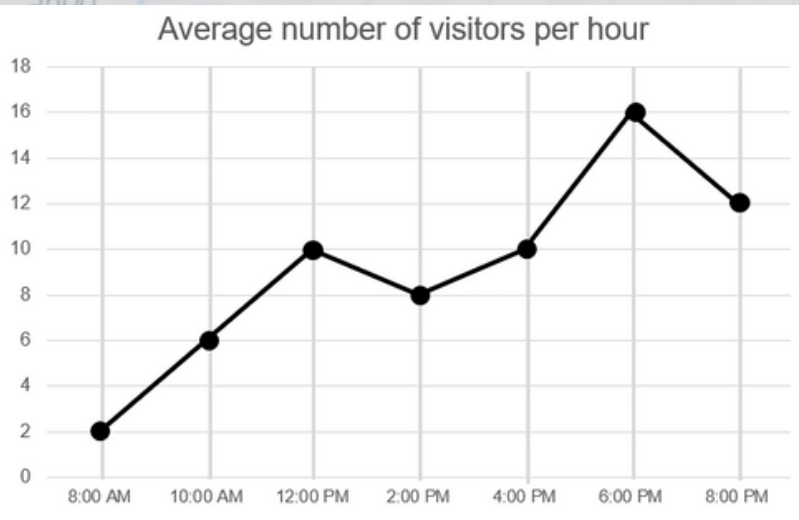
Record the totals

Christmas		
Halloween		
Thanksgiving		
July 4th		

Circle the one with the most.

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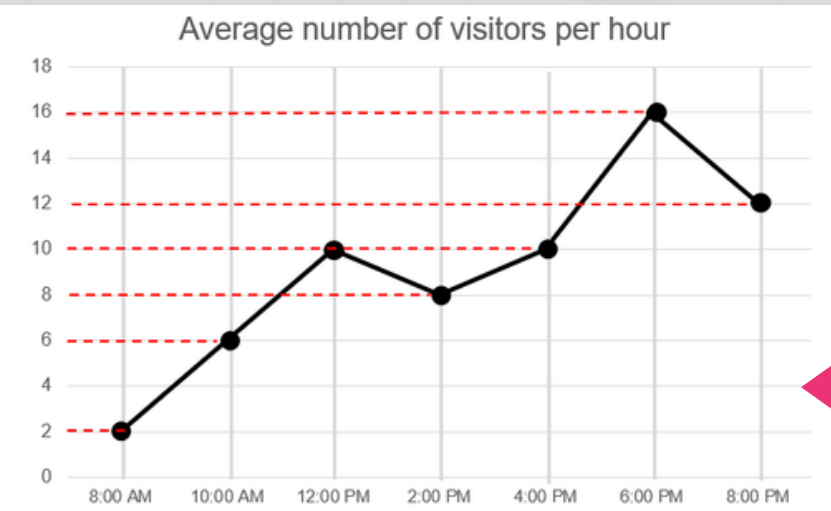


Record the totals

8:00 AM		4:00 PM	
10:00 AM		6:00 PM	
12:00 PM		8:00 PM	
2:00 PM			

12	10	8	16	10	2	6
----	----	---	----	----	---	---

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Record the totals

8:00 AM		4:00 PM	
10:00 AM		6:00 PM	
12:00 PM		8:00 PM	
2:00 PM			

12	10	8	16	10	2	6
----	----	---	----	----	---	---

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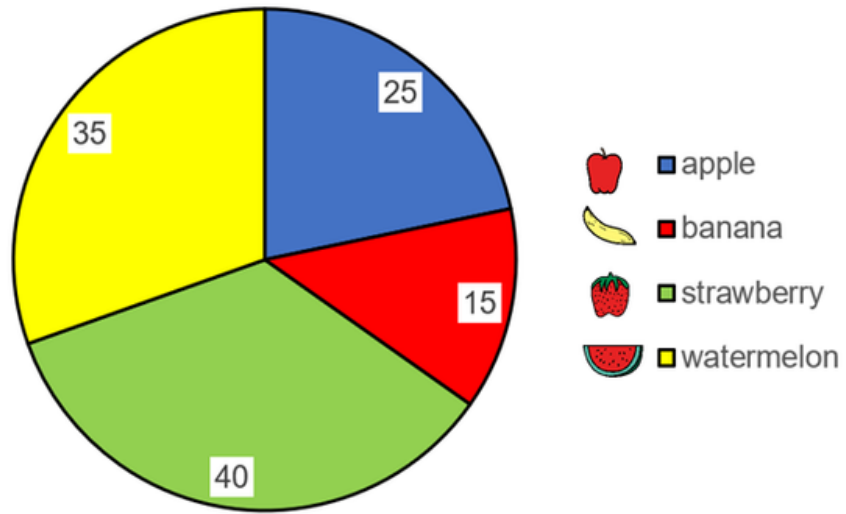
# Reading Line graphs

- 10 worksheets
- 10 differentiated worksheets
- color and black and white

Differentiated with dashed lines.



### Which fruit was everyone's favorite?



#### Record the totals

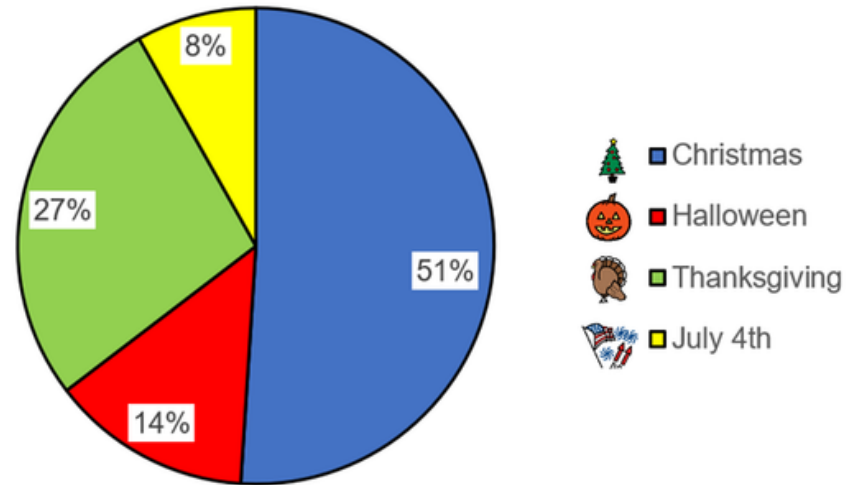
apple		
banana		
strawberry		
watermelon		

On the table, circle the one with the most.

15	35	25	40
----	----	----	----

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### Which holiday is everyone's favorite?



#### Record the totals

Christmas		
Halloween		
Thanksgiving		
July 4 <sup>th</sup>		

On the table, circle the one with the most.

27%	8%	51%	14%
-----	----	-----	-----

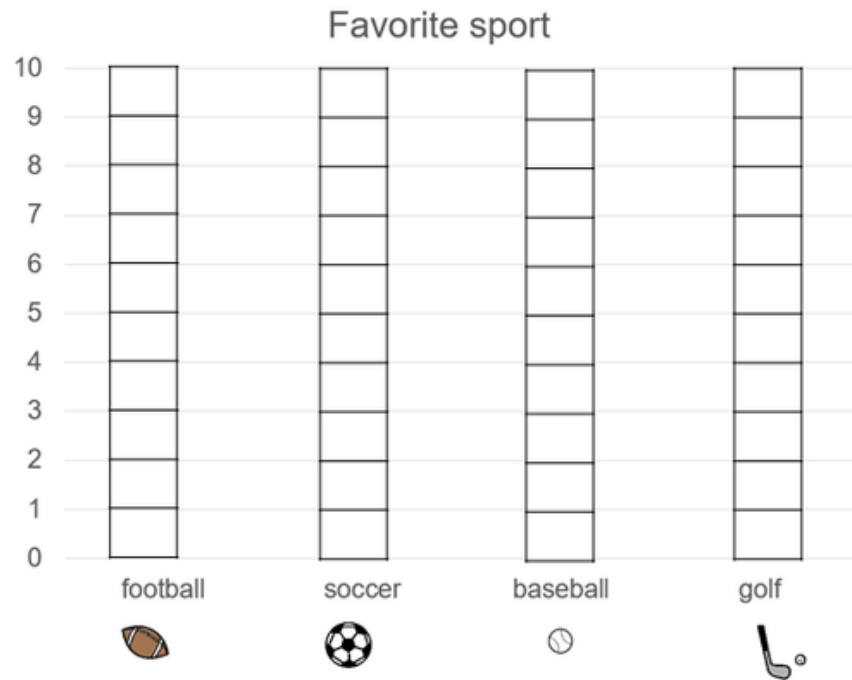
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## Reading Pie Charts





- 10 worksheets
- 10 differentiated worksheets
- color and black and white

Differentiated with colors in data table.

Color in the correct number of boxes using the data in the table.



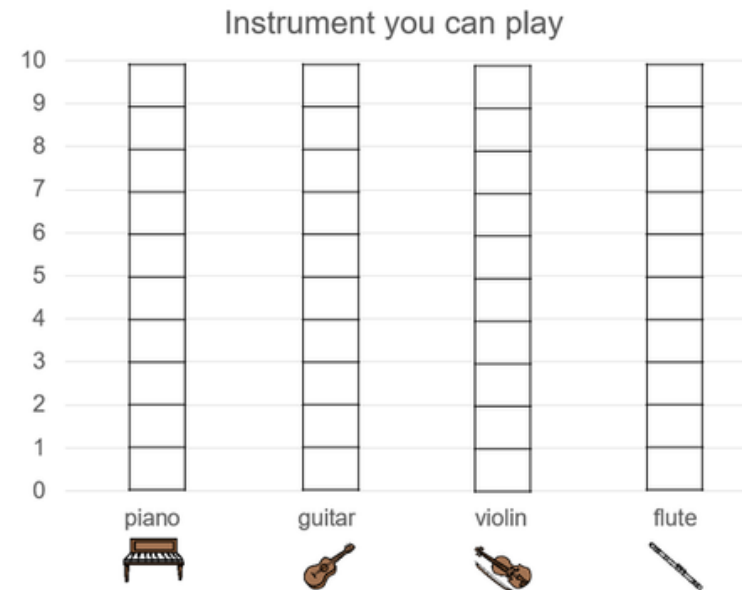
Record the totals

football		8
soccer		9
baseball		6
golf		3





Circle the one with the most.

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Color in the correct number of boxes using the data in the table.



Record the totals

piano		4
guitar		3
violin		2
flute		6

Circle the one with the most.

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# Drawing Bar Graphs

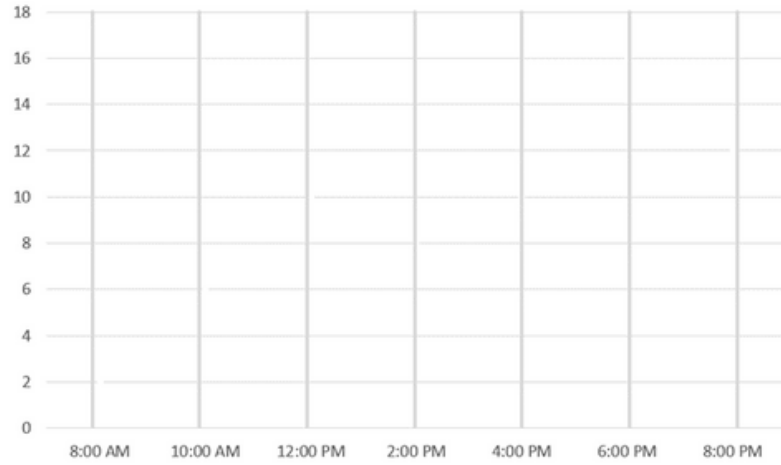
- 10 worksheets
- color and black and white



30%

1. Draw the dots on the graph using the data in the table.
2. Connect the dots with lines using a ruler.

Average number of cars per hour



8:00 AM	18	4:00 PM	16
10:00 AM	6	6:00 PM	18
12:00 PM	12	8:00 PM	14
2:00 PM	8		

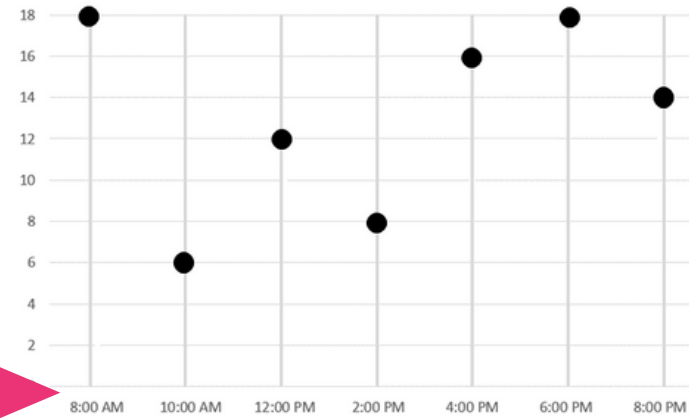
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# Drawing Line Graphs

- 10 worksheets
- 10 differentiated worksheets
- color and black and white

1. Connect the dots with lines using a ruler.

Average number of cars per hour

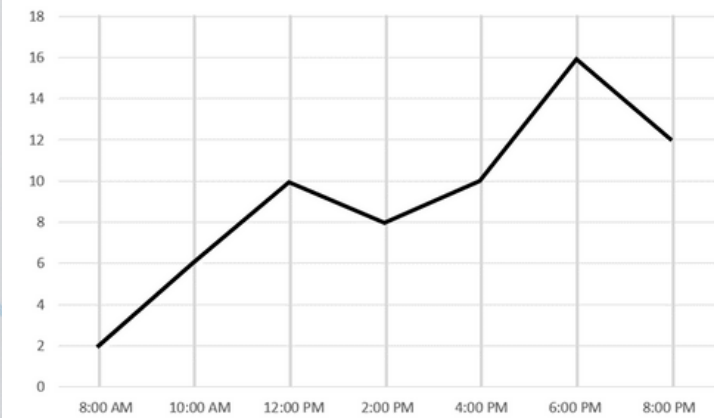


8:00 AM	18	4:00 PM	16
10:00 AM	6	6:00 PM	18
12:00 PM	12	8:00 PM	14
2:00 PM	8		

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1. Draw in the dots on the graph.

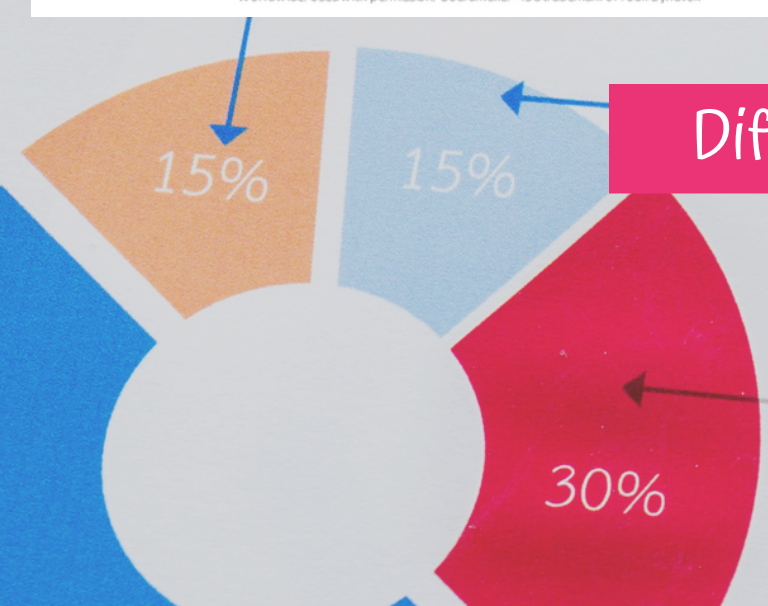
Average number of visitors per hour



8:00 AM	2	4:00 PM	10
10:00 AM	6	6:00 PM	16
12:00 PM	10	8:00 PM	12
2:00 PM	8		

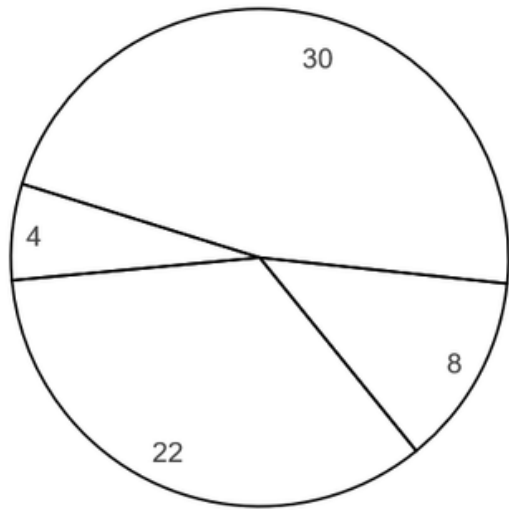
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Differentiated



1. Color in the key.
2. Color in the sections of the pie chart the correct color.

Which breakfast did most customers order?

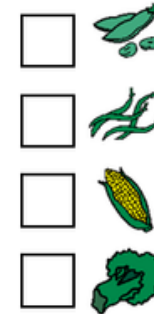
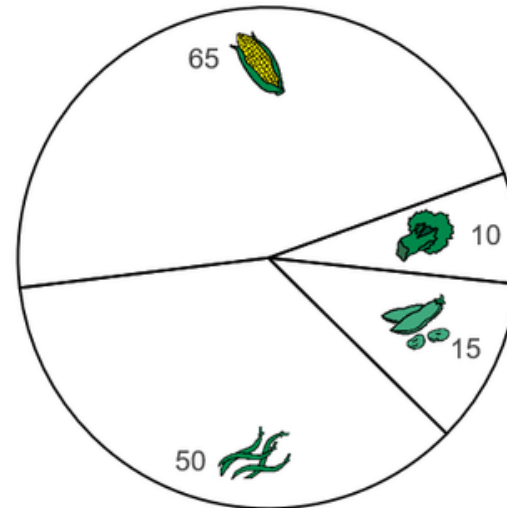


cereal		8
pancakes		22
eggs		4
waffles		30

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1. Color in the key.
2. Color in the sections of the pie chart the correct color.

Which crop does each farmer plant?



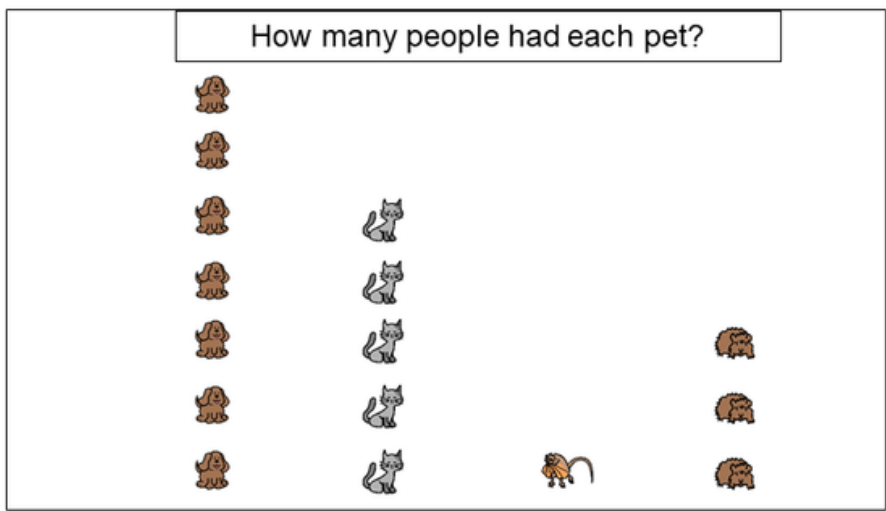
Peas		15
beans		50
corn		65
broccoli		10

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## Drawing Pie Charts

- 10 worksheets
- 10 differentiated worksheets
- color and black and white

Differentiated with extra images in pie chart



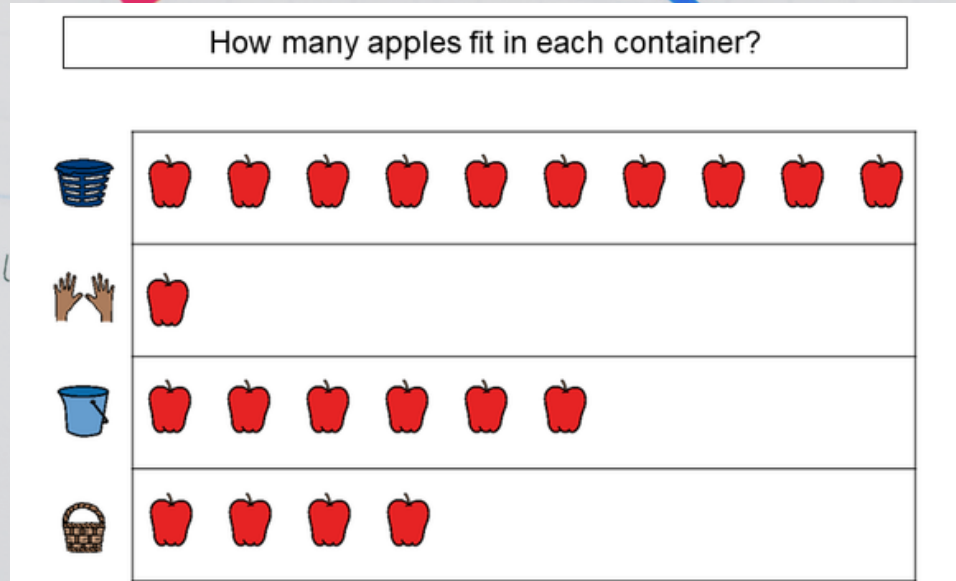
Record the totals

puppy		
cat		
lizard		
guinea pig		

Circle the one with the **most**.

1	7	5	3
---	---	---	---

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Record the totals

laundry basket		
hands		
bucket		
basket		

Circle the one with the **most**.

6	1	10	4
---	---	----	---

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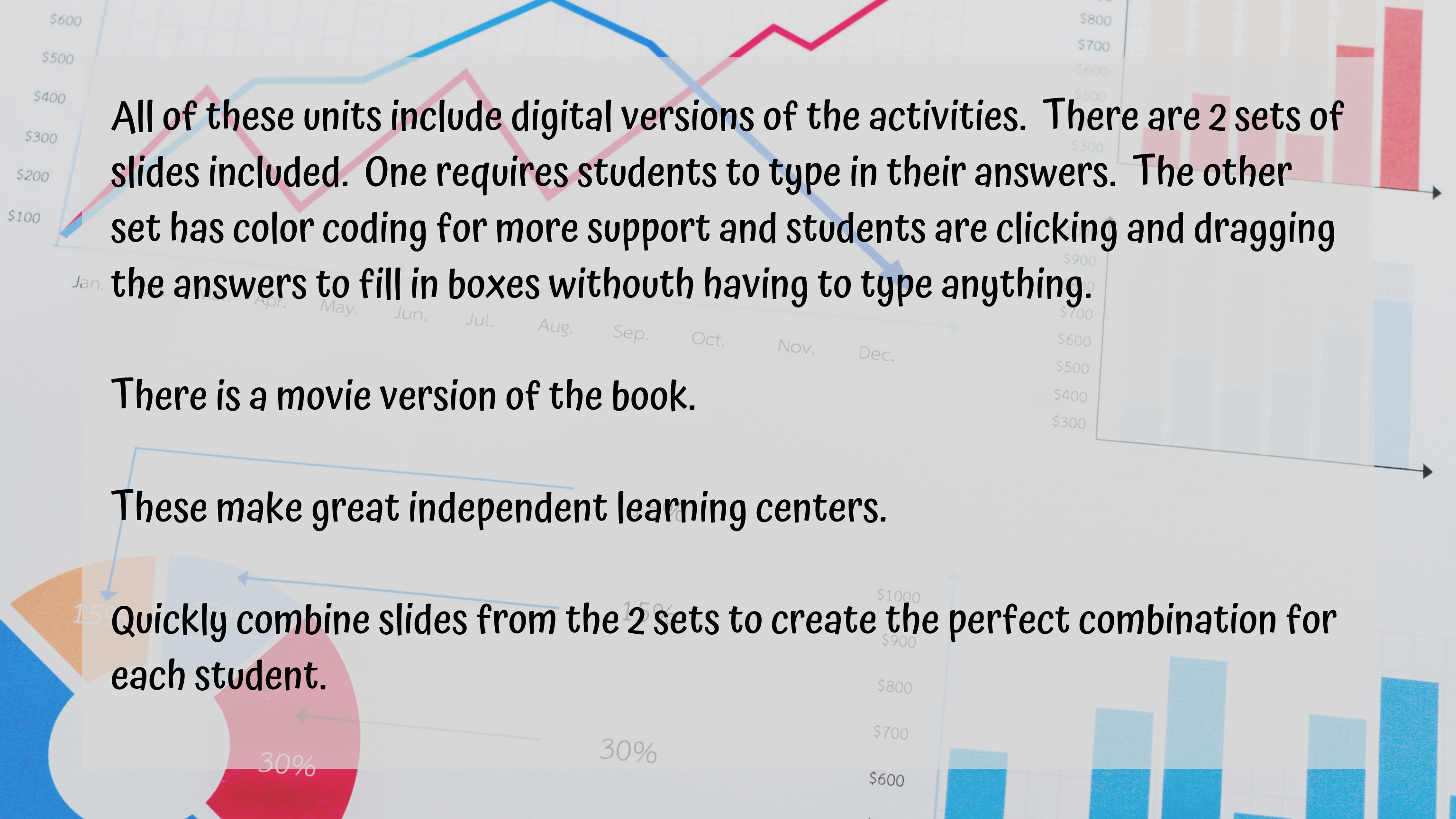
# Pictographs

- 20 worksheets
- color and black and white

Use for students who are unable to do higher level graphs, but in the same class as those working on bar, line, and pie charts.







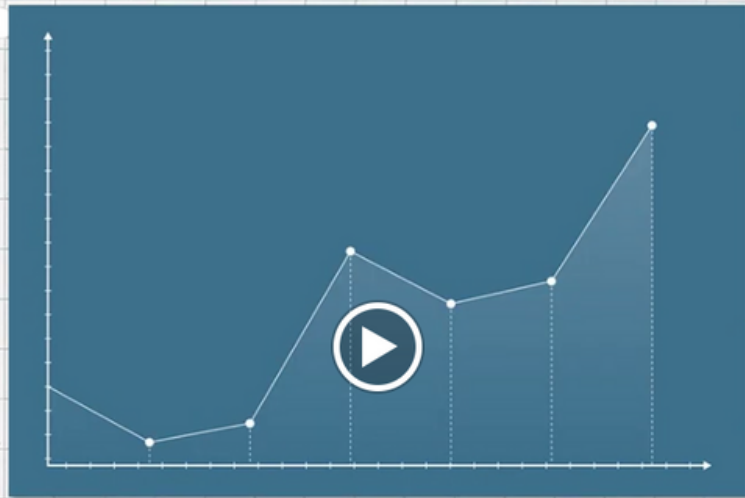
All of these units include digital versions of the activities. There are 2 sets of slides included. One requires students to type in their answers. The other set has color coding for more support and students are clicking and dragging the answers to fill in boxes without having to type anything.

There is a movie version of the book.

These make great independent learning centers.



Quickly combine slides from the 2 sets to create the perfect combination for each student.

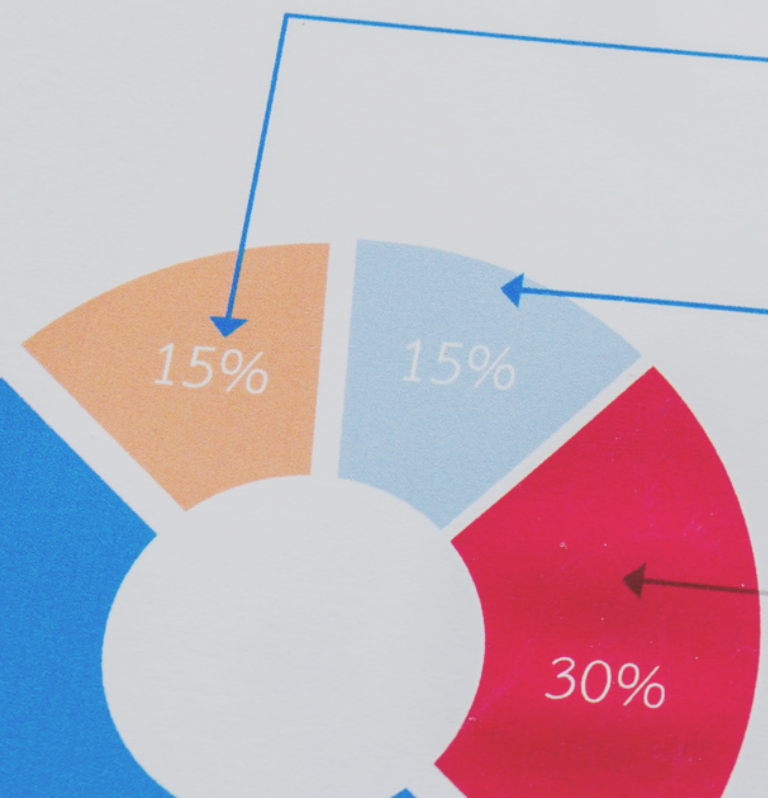


## Line Graphs

By  
Christa Joy



The movie version of the book from the unit is narrated and animated. It walks through solving the equations step by step.

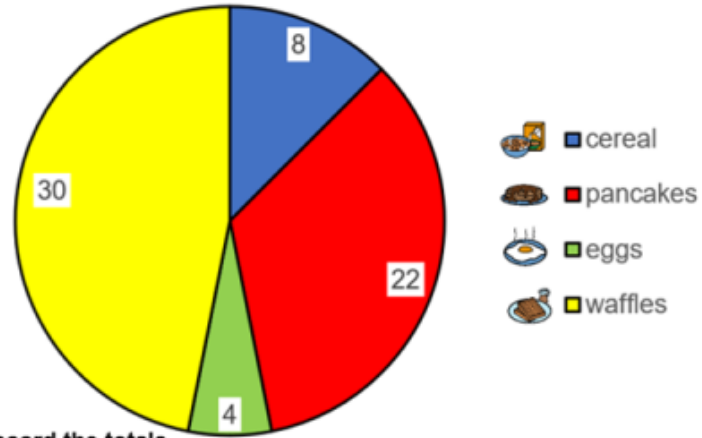


## Pie Charts

By  
Christa Joy



Which breakfast did most customers order?



Record the totals

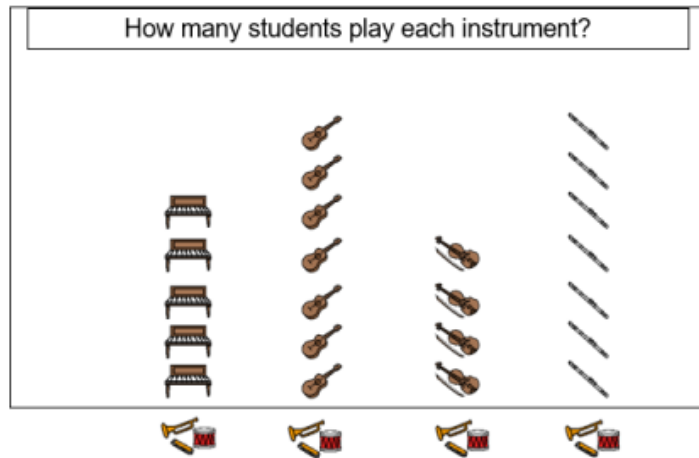
cereal		<input type="text"/>
pancakes		<input type="text"/>
eggs		<input type="text"/>
waffles		<input type="text"/>

On the table, circle the one with the most.

1. Place the numbers below into the correct location in the chart.
2. On the table, circle the one with the most.



How many students play each instrument?



Record the totals

piano		<input type="text"/>
guitar		<input type="text"/>
violin		<input type="text"/>
flute		<input type="text"/>

1. Type the amount of each item in the data table.
2. Circle the one with most on the graph.

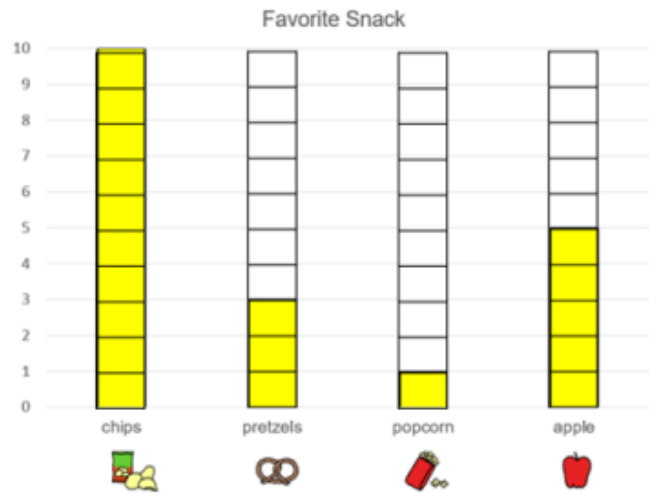


One set of slides requires students to type in their answers.

15%

15%

30%



Record the totals

chips		
pretzels		
popcorn		
apple		

Circle the one with the most.

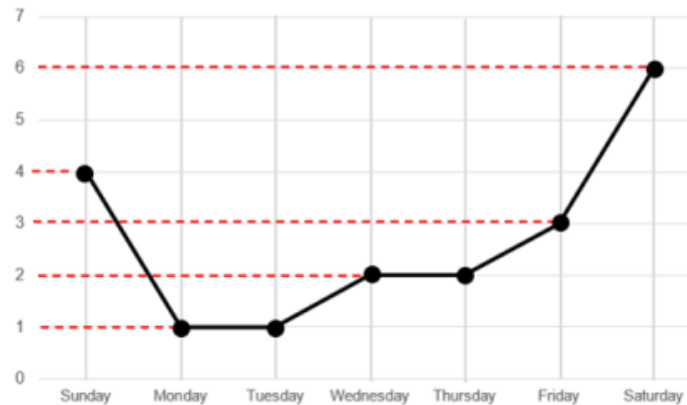
- Place the numbers below into the correct location in the chart.
- Circle the one with most on the graph.

1  
3  
5  
10



One set of slides is has students click and drag their answers.

Hours of TV watched per day



Record the totals

Sunday		Thursday	
Monday		Friday	
Tuesday		Saturday	
Wednesday			

Place the total for each time in the chart.

6  
2  
4  
1  
3  
1  
3