# Back to Learning!

## Maths Activities

### Ages 5 - 7

**Graphs**

<table>
<thead>
<tr>
<th>Day</th>
<th>Topic</th>
<th>Pages</th>
</tr>
</thead>
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<tr>
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<td>Explore Real Object Graphs</td>
<td>2–3</td>
</tr>
<tr>
<td>Day 2</td>
<td>Use Real Object Graphs to Solve Problems</td>
<td>4–5</td>
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<td>Day 3</td>
<td>Explore Picture Graphs</td>
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<td>Use Picture Graphs to Solve Problems</td>
<td>8–9</td>
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<tr>
<td>Day 5</td>
<td>Collect and Sort Data and Create Graphs</td>
<td>10–11</td>
</tr>
</tbody>
</table>
Day 1

Ava is going shopping. She notices many different items in the store. Cut out the items that Ava sees in the shop and glue them into the graph.

<table>
<thead>
<tr>
<th>Number</th>
<th>Shoes</th>
<th>Shirts</th>
<th>Trousers</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Number of Shoes: 4
Number of Shirts: 2
Number of Trousers: 2
Day 1 (continued)

Tom is counting his toys. Cut out Tom's toys below and glue them into the graph.

<table>
<thead>
<tr>
<th>Number</th>
<th>Cars</th>
<th>Teddy Bears</th>
<th>Tops</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Number Cars Teddy Bears Tops
Day 2

Jack made a graph of all of the fruit in his kitchen. Read the graph and then answer the questions below.

<table>
<thead>
<tr>
<th>Number</th>
<th>Apples</th>
<th>Oranges</th>
<th>Bananas</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td></td>
<td><img src="image" alt="Orange" /></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td><img src="image" alt="Apple" /></td>
<td><img src="image" alt="Orange" /></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td><img src="image" alt="Apple" /></td>
<td><img src="image" alt="Orange" /></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td><img src="image" alt="Apple" /></td>
<td><img src="image" alt="Orange" /></td>
<td><img src="image" alt="Banana" /></td>
</tr>
<tr>
<td>2</td>
<td><img src="image" alt="Apple" /></td>
<td><img src="image" alt="Orange" /></td>
<td><img src="image" alt="Banana" /></td>
</tr>
<tr>
<td>1</td>
<td><img src="image" alt="Apple" /></td>
<td><img src="image" alt="Orange" /></td>
<td><img src="image" alt="Banana" /></td>
</tr>
</tbody>
</table>

1. Which fruit does Joe have the least of? ____________________________

2. Which fruit does Joe have the most of? ____________________________

3. How many total fruits are in Joe’s kitchen? ____________________________
Mrs. Piggins is counting items in her classroom before the summer. Read the graph and then answer the questions below.

<table>
<thead>
<tr>
<th>Number</th>
<th>Pencils</th>
<th>Crayons</th>
<th>Rulers</th>
<th>Scissors</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td><img src="image1" alt="Pencil" /></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td><img src="image2" alt="Pencil" /></td>
<td><img src="image3" alt="Ruler" /></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td><img src="image4" alt="Pencil" /></td>
<td><img src="image5" alt="Crayon" /></td>
<td><img src="image3" alt="Ruler" /></td>
<td><img src="image6" alt="Scissors" /></td>
</tr>
<tr>
<td>3</td>
<td><img src="image4" alt="Pencil" /></td>
<td><img src="image5" alt="Crayon" /></td>
<td><img src="image3" alt="Ruler" /></td>
<td><img src="image6" alt="Scissors" /></td>
</tr>
<tr>
<td>2</td>
<td><img src="image4" alt="Pencil" /></td>
<td><img src="image5" alt="Crayon" /></td>
<td><img src="image3" alt="Ruler" /></td>
<td><img src="image6" alt="Scissors" /></td>
</tr>
<tr>
<td>1</td>
<td><img src="image4" alt="Pencil" /></td>
<td><img src="image5" alt="Crayon" /></td>
<td><img src="image3" alt="Ruler" /></td>
<td><img src="image6" alt="Scissors" /></td>
</tr>
</tbody>
</table>

1. Which item does Mrs. Piggins have the least of?  
2. Which item does Mrs. Piggins have the most of?  
3. How many total pencils, crayons, rulers, and scissors are in Mrs. Piggins’s classroom?
Day 3

Read the picture graph. Then, make a tally chart that matches the picture graph.

1. How many cars were bought at the shop?

<table>
<thead>
<tr>
<th>Week 1</th>
<th>Week 2</th>
<th>Week 3</th>
<th>Week 4</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Cars" /></td>
<td><img src="image2" alt="Cars" /></td>
<td><img src="image3" alt="Cars" /></td>
<td><img src="image4" alt="Cars" /></td>
</tr>
</tbody>
</table>

= 1 car

2. How many fruits and vegetables did Martha grow?

<table>
<thead>
<tr>
<th>Carrots</th>
<th>Tomatoes</th>
<th>Beetroot</th>
<th>Blueberries</th>
<th>Raspberries</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image5" alt="Carrots" /></td>
<td><img src="image6" alt="Tomatoes" /></td>
<td><img src="image7" alt="Beetroot" /></td>
<td><img src="image8" alt="Blueberries" /></td>
<td><img src="image9" alt="Raspberries" /></td>
</tr>
</tbody>
</table>

= 1 piece
Day 3 (continued)

Read the tally chart. Then, make the picture graph that matches the tally chart.

1. How many runs were scored each week?

<table>
<thead>
<tr>
<th>Week</th>
<th>Tally</th>
<th>Picture Graph</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

= 1 Run Scored

2. How many days of sunshine were there in each month?

<table>
<thead>
<tr>
<th>Month</th>
<th>Tally</th>
<th>Picture Graph</th>
</tr>
</thead>
<tbody>
<tr>
<td>April</td>
<td></td>
<td></td>
</tr>
<tr>
<td>May</td>
<td></td>
<td></td>
</tr>
<tr>
<td>June</td>
<td></td>
<td></td>
</tr>
<tr>
<td>July</td>
<td></td>
<td></td>
</tr>
<tr>
<td>August</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

= 1 day

3. How many kids rode the bus every day last week?

<table>
<thead>
<tr>
<th>Day</th>
<th>Tally</th>
<th>Picture Graph</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tuesday</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wednesday</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thursday</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Friday</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

= 1 kid
Mr. Ruffman is counting the total number of books that each of his students read over the summer. The data is given below. Plot a picture graph based on this data. Then, answer the questions below. The first row is filled out as an example.

- Alex read 5 books.
- Sam read 3 books.
- Tom read 6 books.

<table>
<thead>
<tr>
<th>Alex</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sam</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tom</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

= 1 book

1. Who read the most books? __________________________

2. Who read the least books? _________________________

3. How many total books were read? ___________________
Theo takes a poll of his friends to see what their favourite sport is. The data is given below. Plot a picture graph based on this data. Then, answer the questions below.

- 5 people say their favourite sport is baseball
- 2 people say their favourite sport is football
- 3 people say their favourite sport is tennis

<table>
<thead>
<tr>
<th>Baseball</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Football</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tennis</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

= 1 vote

1. What is the sport with the most votes? ____________________________

2. What is the sport with the least votes? ____________________________

3. How many total people did Theo ask? ____________________________
Day 5

Ethan is making his lunches for the week. First, he counts the food. Can you help Ethan fill out the table below with tally marks? Then, go to the next page.

<table>
<thead>
<tr>
<th>Food</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bread</td>
<td></td>
</tr>
<tr>
<td>Bananas</td>
<td></td>
</tr>
<tr>
<td>Apples</td>
<td></td>
</tr>
<tr>
<td>Chips</td>
<td></td>
</tr>
</tbody>
</table>
Fill in the picture graph for Ethan's Food.

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bread</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bananas</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Apples</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chips</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

= 1 piece of food

1. Which food does Ethan have the most of?

2. Which food does Ethan have the fewest of?

3. How many bananas does Ethan have?

4. How many chips does Ethan have?

5. How many total pieces of food does Ethan have?