

## Mobile Phones: Let's Take a Poll

*An activity of "No more smartphones for some schoolkids".*

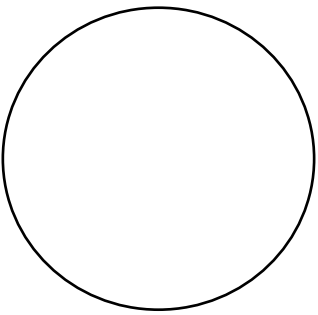
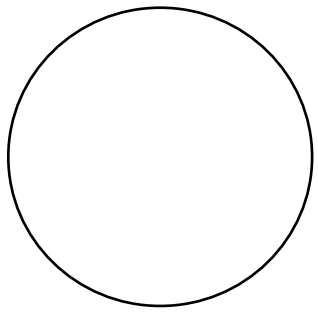
Read "No more smartphones for some schoolkids" (page 11, *What's Up* January 2024). Then, follow these steps to gather and analyse data about how your friends use their mobile phones.

- A. Conduct a poll.** Work in groups of three or four members each. Every group member should poll five students at your school. No student should be polled by more than one of you. Introduce the topic first. Then, ask the following eight questions. Record their answers below.

### Topic: How Our Phones Affect Us

	Questions to ask the students	1 <sup>st</sup> student said	2 <sup>nd</sup> student said	3 <sup>rd</sup> student said	4 <sup>th</sup> student said	5 <sup>th</sup> student said
1	Do you own a mobile phone? (If no, skip to 7)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
2	On average, how many hours a day do you spend on your mobile phone?	<input type="checkbox"/> < 1 hr <input type="checkbox"/> 1-2 hrs <input type="checkbox"/> 2-4 hrs <input type="checkbox"/> > 4 hrs	<input type="checkbox"/> < 1 hr <input type="checkbox"/> 1-2 hrs <input type="checkbox"/> 2-4 hrs <input type="checkbox"/> > 4 hrs	<input type="checkbox"/> < 1 hr <input type="checkbox"/> 1-2 hrs <input type="checkbox"/> 2-4 hrs <input type="checkbox"/> > 4 hrs	<input type="checkbox"/> < 1 hr <input type="checkbox"/> 1-2 hrs <input type="checkbox"/> 2-4 hrs <input type="checkbox"/> > 4 hrs	<input type="checkbox"/> < 1 hr <input type="checkbox"/> 1-2 hrs <input type="checkbox"/> 2-4 hrs <input type="checkbox"/> > 4 hrs
3	Do you use your phone during meals or gatherings with family and friends?	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often
4	After school hours, how often do you do activities without screen time?	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often
5	Do you find it hard to fall asleep at bedtime after using your phone?	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often
6	Have you felt stressed when you can't use your phone?	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often
7	Do you ever wish you could have the latest phone model?	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often
8	Do you think using mobile phones can affect kids' moods? If so, how?	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often	<input type="checkbox"/> rarely <input type="checkbox"/> sometimes <input type="checkbox"/> frequently <input type="checkbox"/> very often

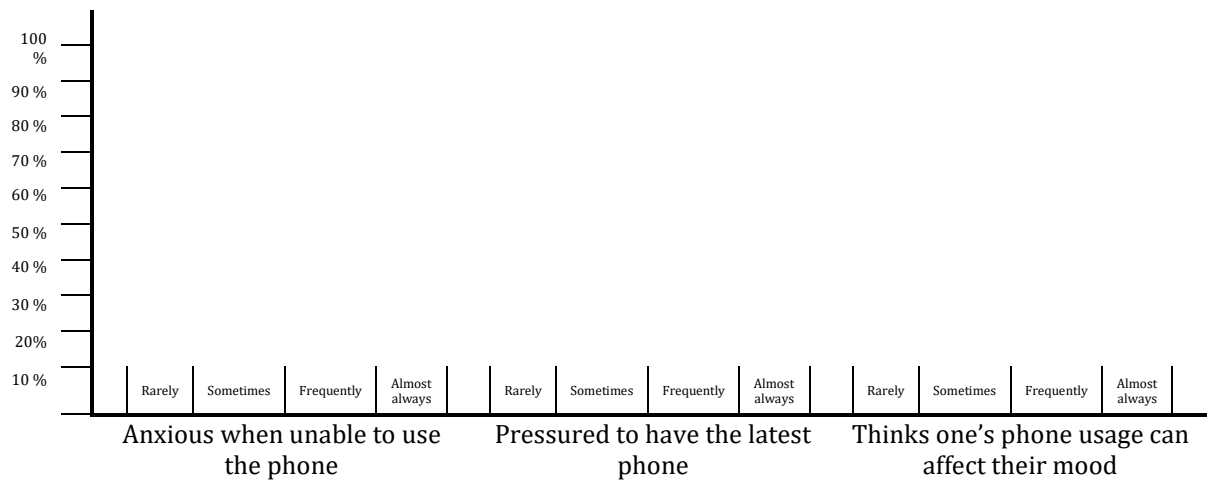
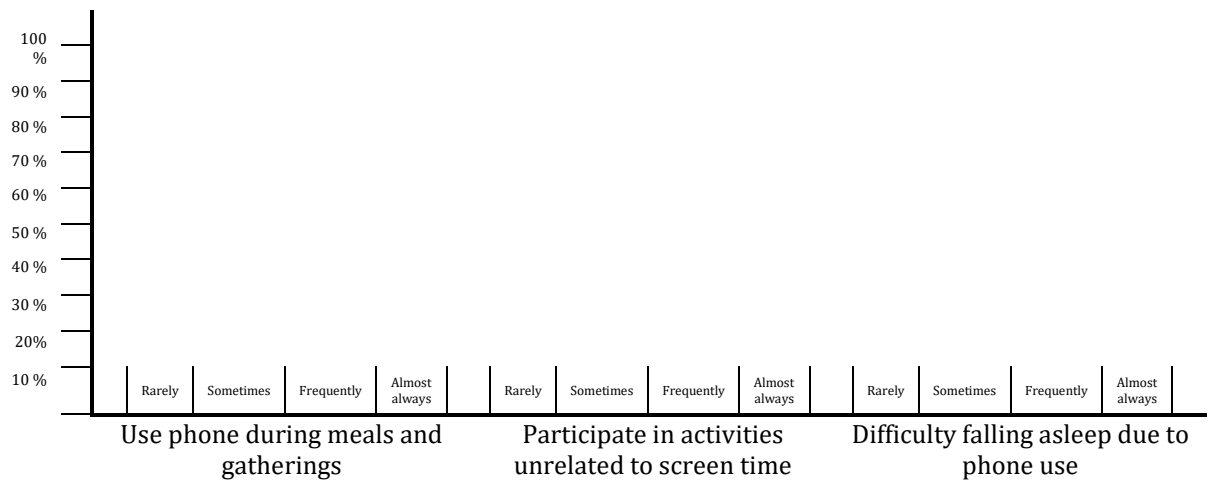
**B. Construct pie charts for Questions 1 and 2.** When all of you have done the polling, collate members' data for Questions 1-2 below. Calculate the percentages and represent the data in a pie chart. (i.e. slice the pie charts into their corresponding percentages and draw lines to label each slice.)

<p><b>Total number of students surveyed:</b> _____ = 100%</p> <p><b>Students who own a phone (YES):</b> _____ = _____%</p> <p><b>Students who don't own a phone (NO):</b> _____ = _____%</p>	<p><b>Of those who own phones</b></p> <p>Students spending &lt; 1 hour: _____ = _____%</p> <p>Students spending 1-2hrs: _____ = _____%</p> <p>Students spending 2-4hrs: _____ = _____%</p> <p>Students spending &gt; 4hrs: _____ = _____%</p>
<p><b>YES</b></p>  <p><b>NO</b></p>	<p><b>&lt; 1hour</b></p>  <p><b>1-2hrs</b></p> <p><b>&gt; 4hrs</b></p> <p><b>2-4hrs</b></p>

**C. Pool your group's data for Questions 3 to 8.** Collate data for Questions 3-8 below. Calculate the percentages. (Note: Questions 7-8 includes students who do not own phones)

Responses to our poll questions	Said, "Rarely."	Said, "Sometimes."	Said, "Frequently."	Said, "Very often."	Total polled
Q3. Do you use your phone during meals or gatherings with family and friends?	_____ = _____%	_____ = _____%	_____ = _____%	_____ = _____%	_____ = 100%
Q4. After school hours, how often do you do activities without screen time?	_____ = _____%	_____ = _____%	_____ = _____%	_____ = _____%	_____ = 100%
Q5. Do you find it hard to fall asleep at bedtime after using your phone?	_____ = _____%	_____ = _____%	_____ = _____%	_____ = _____%	_____ = 100%
Q6. Have you felt stressed when you can't use your phone?	_____ = _____%	_____ = _____%	_____ = _____%	_____ = _____%	_____ = 100%
Q7. Do you ever wish you could have the latest phone model?	_____ = _____%	_____ = _____%	_____ = _____%	_____ = _____%	_____ = 100%
Q8. Do you think using mobile phones can affect kids' moods?	_____ = _____%	_____ = _____%	_____ = _____%	_____ = _____%	_____ = 100%

D: **Construct bar charts.** Use the template below. The bars have been started for you. Based on the percentages your group calculated for each question, extend that response's bar to the correct height. Colour the bars.



Summary of comments students gave:

E. **Share your results.** Present your group's charts and comments to your class. Reflect on what these findings say to you about your friends' mobile phone usage.