

Create Your Own App

*A Middle School
Interdisciplinary Project*

Lisa Lassen and Kristin Yeakel

Overview

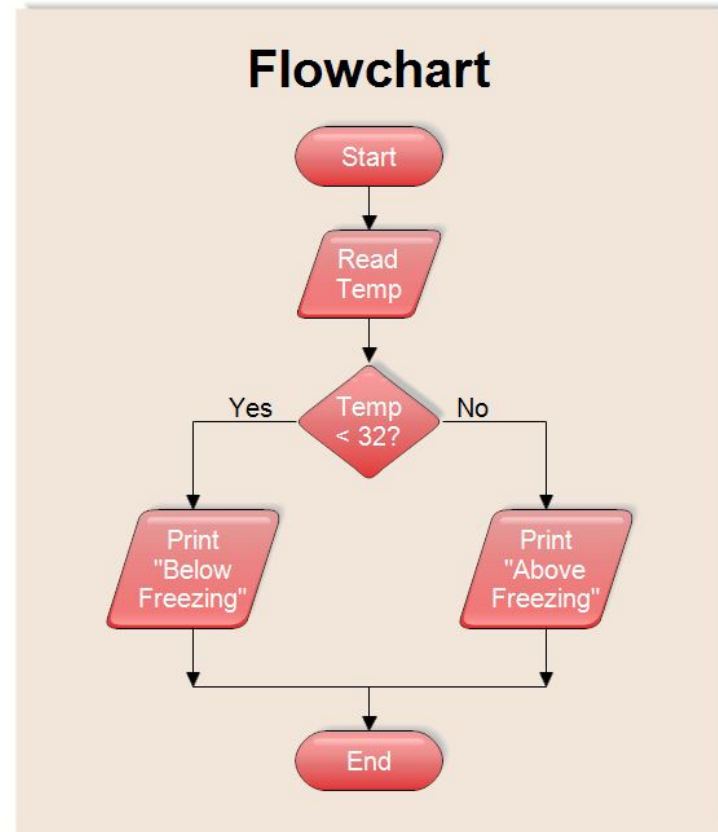
- Purpose
- Standards
- Expectations
- Outcomes

The screenshot shows the Google Play Store listing for the 'Fractions' app. The app is developed by The Math Learning Center, offered by Clarity Innovations, Inc. It has a 4.5-star rating from 7 reviews and is used by 166,457 users. The interface includes tabs for Overview, Reviews, Support, and Related. The main content area displays the title 'Fractions = to $\frac{1}{4}$ ' in orange handwriting. Below the title are six circular fraction models: a circle with 4 equal parts (1 part shaded orange), a circle with 6 equal parts (1 part shaded yellow), a circle with 12 equal parts (3 parts shaded blue), a circle with 4 equal parts (1 part shaded green), a circle with 6 equal parts (1 part shaded purple), and a circle with 12 equal parts (3 parts shaded red). A vertical toolbar on the right contains icons for erasing, drawing, and selecting. On the right side of the app preview, there are features listed: 'Runs Offline' and 'Compatible with your device'. Below these is a description: 'Visualize and explore fraction models. Fractions lets students use a bar or circle to represent, compare, and perform operations with fractions with denominators from 1 to 100. Choose the fraction model and number of equal parts. Use a color to select specific parts to show a fraction of the whole. Reveal or hide numeric labels as needed. Superimpose fractions upon each other to compare fractions or see equal parts.' A 'FEATURES' section is also visible at the bottom right.

<https://www.mathlearningcenter.org/resources/apps/fractions>

CS and Math

- Preplanning
- Pricing
- Flowchart



http://www.rff.com/flowchart_samples.htm

ELA

- Research
- Reviews (Argumentative)
- Abstract (Informational)



<https://www.flickr.com/photos/46097950@N02/6262296086>

Creativity & Collaboration



<http://maxpixel.freegreatpicture.com/Creativity-Attention-Devotion-Liberation-Attunement-2019460>

Reflections & Resources

- [App Project Overview](#)
- [App Review Handout](#)
- [Writing an Abstract Handout](#)
- [Flowchart Handout](#)
- [Description and Standards](#)
- [Group/Topic Sign-up Form](#)
- [Rubric](#)
- [MIT App Inventor](#)
- [Samples](#)



<https://www.pexels.com/search/reflection/>

Gallery Walk



<http://sf.funcheap.com/nightlife-california-academy-of-sciences-36/>