Vocabulary

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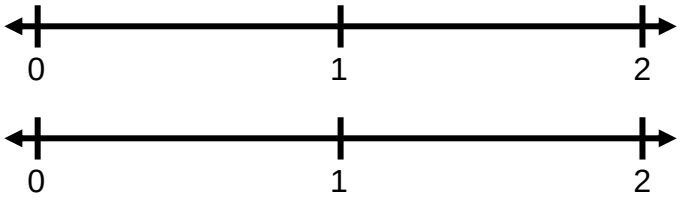
In this activity, you will compare two fractions that come from different wholes.

1. Suppose you have two different sizes of the same candy bar; the giant and the regular size. Consider the giant bar to be twice the size of the regular size bar. Use the two number lines to represent the candy bars. If you had one of each bar, how much candy would you have in terms of the giant bar? In terms of the smaller bar?



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2. Find sizes for regular and giant bars that could be divided equally among six people.

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3. On the number lines in the activity, set one bar to half the size of the other. Which is greater in total length: $\frac{2}{3}$ of the smaller or $\frac{1}{2}$ of the larger? Explain your reasoning.

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4. Jenna drew two number lines, each with a bar above it. She set one bar to one third the size of the other. Which is greater in total length, $\frac{1}{3}$ of the smaller bar or $\frac{1}{9}$ of the larger bar? Explain your reasoning.

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