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LER 0911 Magnetic 3-D Fraction Shapes

LER 5060 Pizza Fraction Fun™



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Magnetic Apple Fractions

*An great way to
introduce fractions!*



WARNING:

MAGNETS—This product contains small magnets. Swallowed magnets can stick together across intestines causing serious infections and death. Seek immediate medical attention if magnets are swallowed or inhaled.

Magnetic Apple Fractions is a great hands-on tool for introducing fractions to young students. The shape of the apple is familiar to students, and the assorted colors help them distinguish the different fraction pieces. The four apples indicate the fraction values of 1 (dark red), $\frac{1}{2}$ (light red), $\frac{1}{3}$ (yellow), and $\frac{1}{4}$ (green).

Apples by Color

Hand out an apple piece to 10 students. Students should find other students that have the same color pieces. Each group should then discuss their apple and how many parts make up the whole. Each group should compare their apple to the student who has the whole red apple. This is a great time to introduce the numeric representations of fractions.

Apple Fraction Action

Hand out the apple slices to four groups of students. Call out a fraction and have the students represent that fraction with the apple slices. Example: $\frac{2}{3}$ is called out. The yellow-apple team should hold up two slices.

An Apple a Day

Call on a student to come to the front of the room.

Ask the student if it is possible to split the dark red whole apple into pieces. Discuss how this is one whole apple.

Do the same with the other apples by calling a different student to the front of the room. Discuss how each apple is split and how many slices there are in each apple. Explore writing fractions based on the number of slices.

Adding Awesome Apples

Explain that a fraction is a part of a whole.

Start with the light red apple. The apple slices together make one whole apple. When this whole is cut in half there are two slices. One slice of this apple represents $\frac{1}{2}$.

Now take the green apple. There are four slices, each representing $\frac{1}{4}$. One section alone is one-quarter, but putting all 4 slices together makes one whole apple.

Therefore, $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = 1$

Comparing Apples to Apples

Use the light red apple and green apple to show $\frac{3}{4}$ equals $\frac{1}{2}$. Explain to the students that these fractions are equivalent.

