Fractions in Photos

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A Teaching and Learning Bulletin Board

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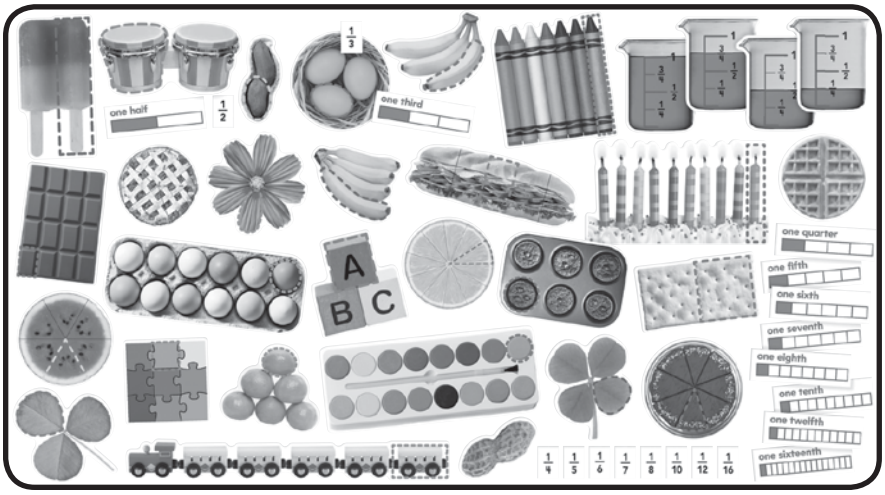

Connections to the Common Core State Standards

The activities in this teaching guide align with the following Common Core State Standards for Mathematics. For more information, visit www.corestandards.org.

Geometry

1.G.2	2.G.2	3.G.2
1.G.3	2.G.3	

Number and Operations—Fractions

3.NF.1

Halves and Halve Nots

Explain that when something is divided into two equal parts, each part is called a half. Put the "one-half" label at the top of your bulletin board. Invite children up to the board to pick up one of the images that show one half and place it under the label. Do the same for 1/3, 1/4, 1/5, etc. Next, put all of the display pictures up on the bulletin board. As you point to each picture in turn, students say "half" or "not half" depending on whether the picture indicates a half or not. To make it more interesting, have all of the children stand in a line. Pick the first two children and point to a picture. The child who says "half/not half" (correctly) first stays standing. The other child sits down. Continue like this until one child is left standing at the end. The game can be extended by replacing *half* with *third*, *quarter*, etc. When children get more proficient at identifying fractions, the activity can be made more difficult. This time the child has to correctly identify the fraction you point at. The first one to do so stays standing.

Word Problems

Make up word problems for students to solve using the pictures from the display (e.g., display the pie and ask, "If I ate 1/5 of this pie, what fraction would I have left?") Have students write their own word problems. Invite them up to the board to read aloud their problems for the class to solve. Display pictures of food you might buy at the supermarket. You could use the pictures to give children money problems to solve based on unit price (e.g., *One banana costs 20¢ so how much for two bananas? How much for the bunch? I bought two cupcakes and was charged $1. How much was each cupcake?*)

Fraction Art

Copy and distribute the reproducible line art on page 2. Practice identifying fractions by having children color a fraction of each picture (e.g., *Color 1/3 of the eggs blue; Color 1/4 of the paints red*). Children can refer to the display pieces for help. When children get more proficient, the activity can be changed accordingly (e.g., *color 3/10 of the candles purple; color 5/8 of the pizza yellow*). Equivalent fractions can also be practiced using this activity (e.g., *color 1/3 of the six petals; color 1/4 of the eight pizza slices*).

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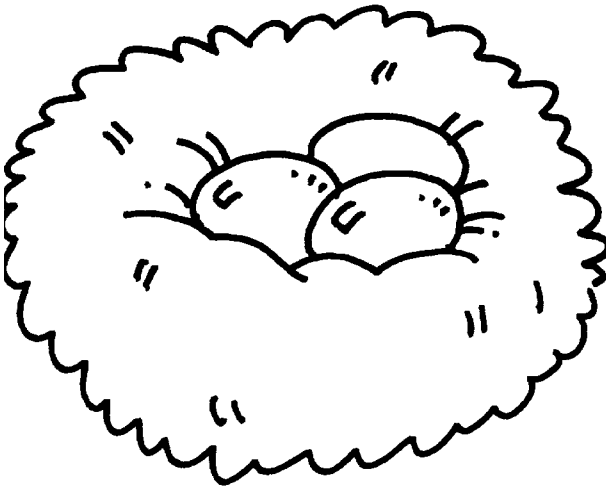

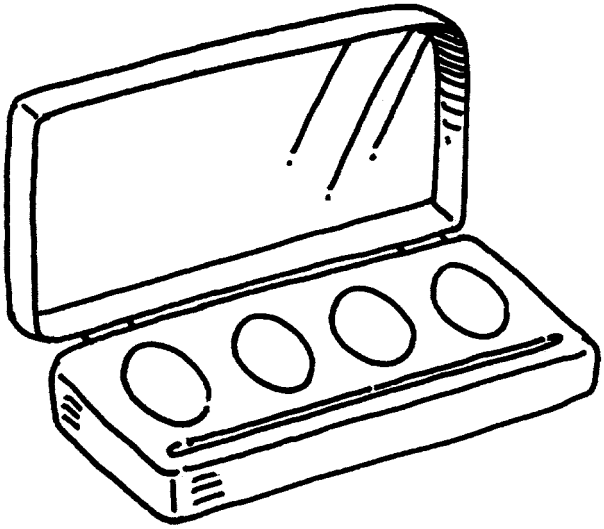

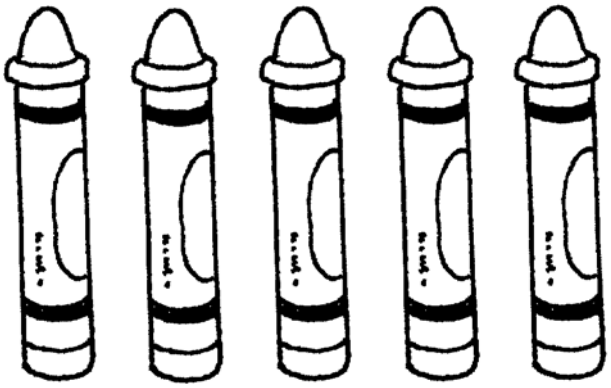

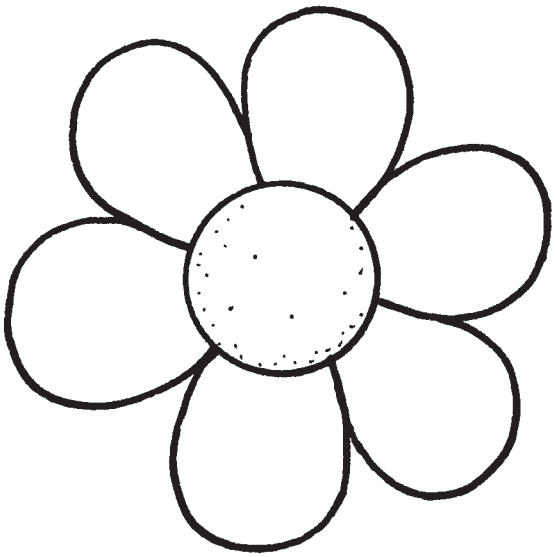

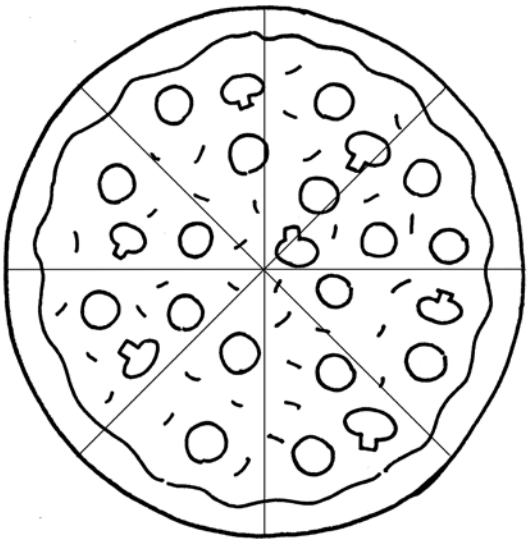

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