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LESSON 10-5

Number Line: Fractions Less Than 1

 [MA.3.FR.2.1](#), [MA.3.FR.1.2](#), [MA.3.FR.1.3](#), [MTR.2.1](#), [MTR.6.1](#)

For more help with this lesson, view the [Visual Learning Animation](#) or the [Another Look Video](#).

MATH HELP AT HOME

Sample Additional Practice Exercise 1

Divide the number line into 3 equal lengths. Then mark and label $\frac{2}{3}$.



Find the point halfway between 0 and 1. This is $\frac{1}{2}$, which divides the number line into 2 equal lengths. To divide the number line into 3 equal lengths, mark one point to the left of $\frac{1}{2}$ and one point to the right of $\frac{1}{2}$. The first point is $\frac{1}{3}$, and the second point is $\frac{2}{3}$.

HOME ACTIVITY

Fold the Fractions

M Processing math: 100%

Scissors, Paper, Pencil

ACTIVITY

Cut 3 strips of paper, each about 2 inches by 8.5 inches. On each strip, have your child write 0 on the left edge and 1 on the right edge (so that 0 and 1 are about 8.5 inches apart). Your child will fold each strip as described here, dividing it into equal lengths and writing fractions.

Strip 1: Fold a strip in half, so that 1 is on top of 0. Unfold the strip and write $\frac{1}{2}$ on the fold line.

Strip 2: Fold a strip in half, then fold in half again in the same direction. Unfold the strip and write $\frac{1}{4}$, $\frac{2}{4}$, and $\frac{3}{4}$ on the 3 fold lines.

Strip 3: Fold a strip in half, fold in half again, and fold in half again. Unfold the strip and write $\frac{1}{8}$, $\frac{2}{8}$, $\frac{3}{8}$, $\frac{4}{8}$, $\frac{5}{8}$, $\frac{6}{8}$, and $\frac{7}{8}$ on the 7 fold lines.