Math at Home
Fraction and Decimal Activities for Grades 2-5

Below are math activities to do at home related to fractions and decimals. They provide an opportunity for you to engage in problem-solving with your child, using familiar contexts and materials found at home. Suggested grade levels are indicated for each activity, but students vary widely in what they find engaging and challenging. Many of these activities can be modified to be appropriate for both younger and older children.

While you work with your child, show curiosity about their ideas. Let them take the lead. Ask questions like “What do you notice?”, “Why do you think that?”, “How did you figure that out?”, and “What do you think we should do next?” Encourage your child to come up with new questions to ask in order to extend the activity.

Grade 2 Activities

Flags and Fractions Many nations’ flags and nautical flags are divided into fractional parts, such as halves, thirds, or fourths. You and your child might like to hunt for flags in books, online and around your neighborhood. You can find pictures of flags in an encyclopedia, an atlas, or on a website pertaining to flags. Find flags that are clearly divided into fractional parts, and then ask questions such as these: “How much of this flag is blue?”, “What color is half of that flag?”, and “Is that flag partitioned into halves or thirds?” Your child might draw the flags on graph paper, color them, and label fractional parts.

Finding Fair Shares Your child can practice partitioning objects into equal shares. Ask your child, “Let’s cut your sandwich into halves. How many different ways can we cut your sandwich so it becomes two equal pieces?” and “Can we cut this pan of cornbread into thirds? ... What about fourths?”