Dear Parents,
We want to make sure that you have an understanding of the mathematics your child will be learning in this unit: Fractions using models and on a number line. Please let your teacher know if you have any questions.
Thank you,
3rd Grade Teachers

What is a Fraction?

Part of a whole

A number that expresses equal parts of a whole object or set of objects.

$\frac{2}{3}$ $\frac{1}{2}$ $\frac{3}{4}$ $\frac{4}{7}$

$$\frac{\text{part}}{\text{whole}}$$

Parts of a fraction:

$\frac{1}{2}$
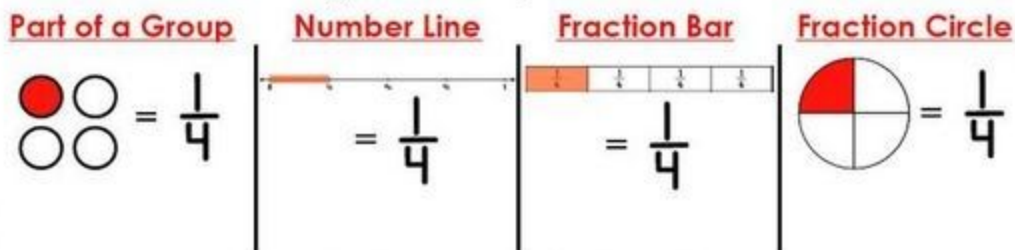
← **numerator** = how many fraction pieces you have

← **denominator** = how many fraction pieces your whole is broken into
*d = down

fraction bar
*represents division

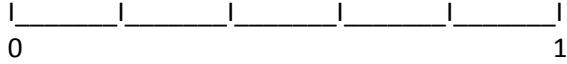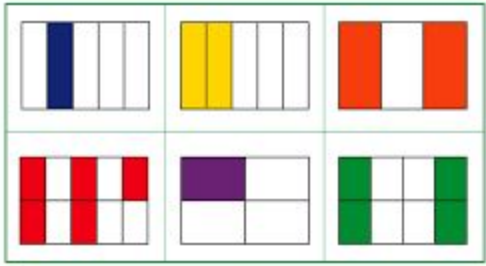**KEY WORDS:** halves, thirds, fourths, fifths, sixths, sevenths, eighths, etc.

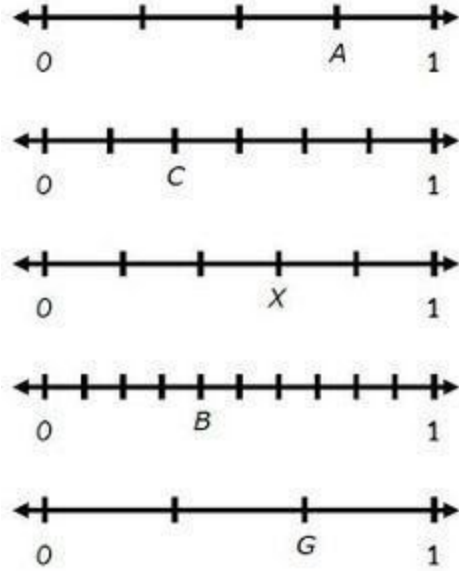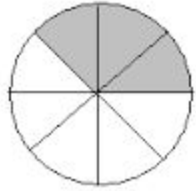## Different Ways to Represent a Fraction

Part of a Group   **Number Line**   **Fraction Bar**   **Fraction Circle**

$= \frac{1}{4}$ $= \frac{1}{4}$ $= \frac{1}{4}$ $= \frac{1}{4}$

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Use these word problems to practice drawing a model and explaining your thinking about fractions.

Mathew has a pizza cut into 10 pieces. Five of them were eaten for dinner. Write the fraction for how many pieces of pizza were eaten. Write the fraction for how many pieces are left.	Write the fractions on the number line in the correct place. 1/5 4/5 3/5 2/5 5/5 I_____I_____I_____I_____I_____I 0 1
There are 7 cookies in the cookie jar. Three cookies are sugar cookies, two cookies are chocolate chip, and two cookies are peanut butter. What fraction of the cookies are sugar cookies? What fraction are chocolate chip? What fraction are peanut butter?	Match the fraction to the model. <center>What is the fraction?</center> Can you match the picture to the correct fraction? 2/3 4/8 ¼ 1/5 5/10 2/5
What is the missing fraction on the number lines? How do you know? 	The model shows what fraction of a pie was eaten at lunch. Then, at dinner 2/8 more were eaten. At midnight, 1/8 more was eaten. * Shade in the model to show how much was eaten in all. * Write the fraction for how much of the pie was eaten. _____

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Extra Practice:
IXL - 3rd grade - Understand Fractions (W.1 - W.20)
Study Island - 3rd grade Math - Fractions (4a, 4b)
Google Classroom Resources

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