



MATEMÁTICAS HOY



Grado 2, Módulo 8, Tópico C

Matemáticas de 2do. Grado

Módulo 8: Hora, Figuras y Fracciones como Partes de la Figura

Carta sobre Matemáticas para Padres

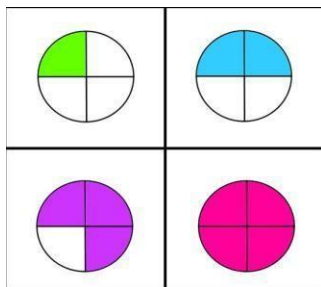
Este documento se crea para dar a padres y estudiantes una mejor comprensión de los conceptos matemáticos encontrados en Engage New York que se enseña en clase. El Módulo 8 de Engage New York abarca figuras y fracciones como partes iguales de figuras. Este boletín abordará el Módulo 8, Tópico C.

Tópico C: Mitades, Tercios y Cuartos de Círculos y Rectángulos

Palabras a conocer:

Congruente: mismo tamaño y misma forma

Fracción: parte de un entero



Actividades de Conexión del Hogar y la Escuela:

Fraccionar círculos y rectángulos en partes iguales, y describir esas partes como mitades, tercios o cuartos.

Describir un entero por la cantidad de partes iguales, incluidas 2 mitades, 3 cuartos.

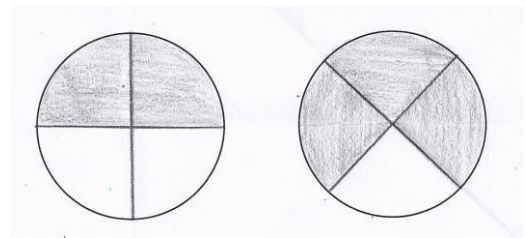
Esfera de Atención – Tópico C

Mitades, Tercios y Cuartos de Círculos y Rectángulos

El tópico C se centra en fraccionar círculos y rectángulos en partes fraccionarias iguales. A los estudiantes se les muestran imágenes de figuras fraccionadas y deben determinar si la porción sombreada (o no sombreada) representa la mitad de la figura. También aprenden a descomponer un entero en tres partes iguales para crear tercios. Dada una variedad de figuras fraccionadas, los estudiantes deben determinar cuántos tercios o cuartos están representados por las porciones sombreadas (o no sombreadas). Por último, los estudiantes sintetizan lo aprendido sobre mitades, tercios y cuartos al fraccionar una pizza y un pastel rectangular, en base a su parte de la pizza o del pastel.

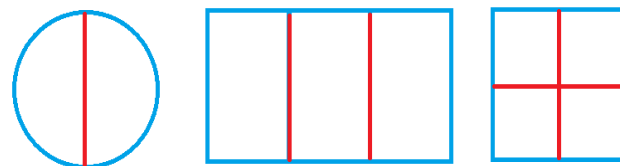


Fracciones Simples



2 cuartos

3 cuartos



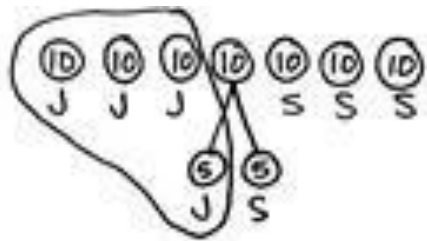
2 mitades

3 tercios

4 cuartos

Problema de ejemplo:

Jacob había coleccionado 70 cartas de béisbol. Le dio la mitad a su hermano Sammy. ¿Cuántas cartas de béisbol le quedan a Jacob?



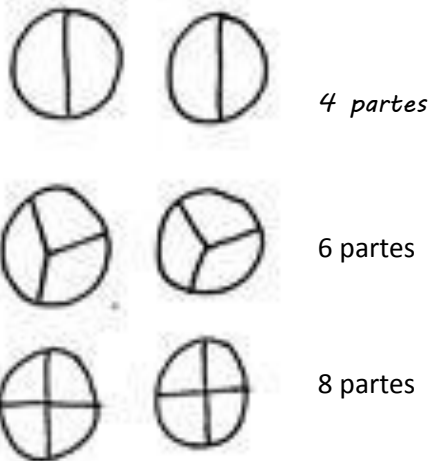
$$\begin{aligned} 10 + 10 + 10 + 5 &= 35 \\ 10 + 10 + 10 + 5 &= 35 \\ 35 + 35 &= 70 \end{aligned}$$

Jacob todavía tiene 35 cartas de béisbol



Problema de ejemplo:

Tugu hizo dos pizzas para él y sus 5 amigos. Quiere que todos reciban una parte igual de la pizza. ¿Debe cortar la pizza en mitades, tercios o cuartos?



Tugu debería cortar sus pizzas en tercios.



MATH TODAY



Grade 2 Module 8 Topic C

2nd Grade Math

Module 8: Time, Shapes, and Fractions as Equal Parts of Shapes

Math Parent Letter

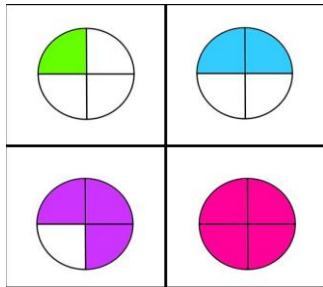
This document is created to give parents and students a better understanding of the math concepts found in the Engage New York material which is taught in the classroom. Module 8 of Engage New York covers time, shapes and fractions as equal parts of shapes. This newsletter will discuss Module 8, Topic C.

Topic C: *Halves, Thirds, and Fourths of Circles and Rectangles*

Words to Know:

Congruent: same size and same shape

Fraction: part of a whole



Home and School Connection Activities:

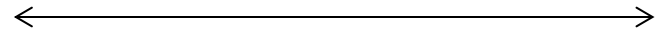
Partition circles and rectangles into equal parts, and describe those parts as halves, thirds, or fourths.

Describe a whole by the number of equal parts including 2 halves, 3 thirds, and 4 fourths.

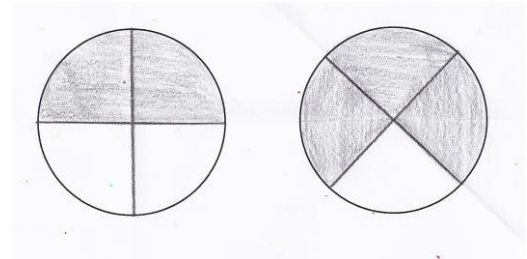
Focus Area– Topic C

Halves, Thirds, and Fourths of Circles and Rectangles

Topic C focuses on partitioning circles and rectangles into equal fractional parts. As students are shown pictures of partitioned shapes, they are asked to determine whether the shaded (or unshaded) portion represents half of the figure. They also learn to decompose a whole into three equal parts to create thirds. Given a variety of partitioned shapes, students are asked to determine how many thirds or fourths are represented by the shaded (or unshaded) portion. Finally, students synthesizing their understanding of halves, thirds, and fourths by partitioning a pizza and a rectangular sheet cake, making decisions based on their share of the pie or cake.

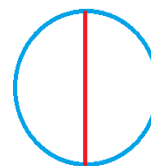


Fractions Samples

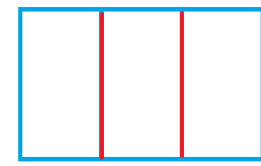


2 fourths

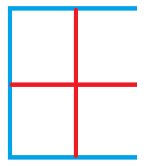
3 fourths



2 halves



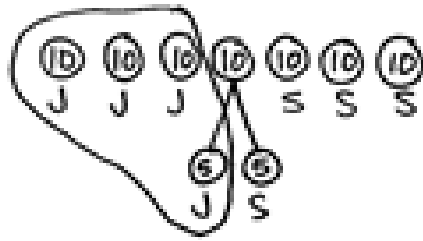
3 thirds



4 fourths

Sample Problem:

Jacob had collected 70 baseball cards. He gave half of them to his brother Sammy. How many baseball cards does Jacob have left?



$$10 + 10 + 10 + 5 = 35$$

$$10 + 10 + 10 + 5 = 35$$

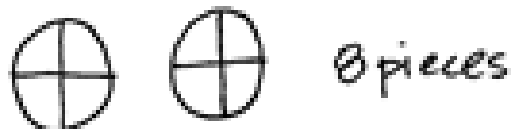
$$35 + 35 = 70$$

Jacob still has 35 baseball cards.



Sample Problem:

Tugu made two pizzas for himself and his 5 friends. He wants everyone to have an equal share of the pizza. Should he cut the pizza into halves, thirds, or fourths?



Tugu should cut his pizzas into thirds.