

Tab Top Program



RONALD McDONALD HOUSE®
PORTLAND, MAINE

Resource Guide for Educators

Did you know?

1. In only 60 days after they are recycled, aluminum cans can be turned into a new can a put back on the shelves.
2. Aluminum can be recycled over and over again.
3. The aluminum can is the most recycled consumer product in the U.S. today.
4. Each year, the aluminum industry pays over \$800 million for empty aluminum cans.
5. The aluminum can is 100% recyclable making it cheaper, faster and more energy efficient to recycle aluminum cans.
6. Last year Americans recycled over 62.6 billion aluminum cans. That many cans placed end to end could circle the earth at its equator 171 times.
7. We use over 80,000,000,000 aluminum cans every year.
8. The weight of 1,665 million pounds of aluminum cans recycled in 2001 was equal to the weight of 14 aircraft carriers.
9. America recycled enough aluminum cans last year to stretch to the moon and back 8 times.
10. Recycling one aluminum can saves enough energy to run a television for 3 hours.

Sources used – www.earth911.org & www.cancentral.com

Estimation Exercise

Topic : Estimation

Objective: To organize data

Materials: Tab tops, colored paper, markers/crayons, scissors, glue

Instructor: How many tab tops can you hold in your hand?

Students: Are told to trace their hand on a piece of paper and cut it out.

All the students are invited to make their own estimate and write it down in the space on their paper thumb.

Then, each student is allowed to scoop out from the jar and hold as many tab tops as they can in one hand. They are then paired off to count them.

Place the actual number of tab tops that fit in their hand on the opposite side of their paper hand. Add all of these numbers together to place on the tree collage, at the roots of the tree. This can indicate the point where they are starting from.

Place all of their hands together using glue to make a tree for a group collage. This tree can be a nice visual to put by the tab top box in the classroom- a welcome reminder to keep collecting tab tops.

(adapted from www.lessonsplanpage.com/math/estimation.htm)

Math Fun!

Project One:

Fill a jar with tab tops.

1. Have the students guess how many tab tops are in the jar.
2. Have the students compare several small containers: box, cylinder, bottle, etc. Which one can hold the most tab tops? Why?

Project Two:

Separate the students into learning groups, teams, or partners.

Give each a quantity of tab tops

1. How many tab tops measure one inch, one foot, one meter?
2. How many tab tops does it take to cover a piece of paper? ($8\frac{1}{2} \times 11$)
3. Using a scale, how many tab tops equal one ounce? One pound?

Some common measurement equivalents: (if tabs are laid end to end)

1 tab top = 1 inch = $2\frac{1}{2}$ centimeters

12 tab tops = 1 foot

40 tab tops = 1 meter

80 tab tops = 1 ounce

approximately 1,400 tab tops = 1 pound

approximately 40,000 tab tops = 1 kilometer

approximately 64,000 tab tops = 1 mile

Word Problems:

1. If Benjamin has 512 tab tops and Evan has 463 tab tops, how many tab tops will they have when their collections are combined? How many more does Benjamin have than Evan?
2. Madeline has collected 950 tab tops in her container. She knows that it takes 2,995 tab tops to fill the container. How many more tab tops will she need to fill the container?
3. Claudia's school collected 140,000 tab tops. The Ronald McDonald House will get 50 cents for every pound of tab tops she brings to recycle. How much money will the Ronald McDonald House receive for her delivery?

What Can We Recycle?

ALUMINUM

Tab tops
Soda cans
Soup cans
Pet food can
Aluminum foil

GLASS

Jelly jar
Soda bottle
Pickle jar

PAPER

Cardboard
Newspaper
Magazine
Envelope
Cereal box
Paper bag

PLASTIC

Soda bottle
Ketchup bottle
Shampoo bottle
Water bottle
Peanut butter jar
Milk jug

What is made from recycled products?

ALUMINUM

Tab Tops
Siding for a house
Roofing
Window frames
Car Parts
Foil

GLASS

Bottles
Tile
Reflective paint
Materials for road construction

PAPER

Tissues
Cardboard boxes
Paper towels
Folders
Cat litter
Pencils

PLASTIC

Flower pots
Lawn Furniture
Clothing
Pipes
Playground equipment

Recycling Collage

Materials needed:

- Old magazines
- Scissors
- Glue
- Construction paper or poster board

Themes for the collage:

- *Make a collage of items that you can recycle.*
(Aluminum, plastic, tin, paper, etc.)
- *Make a collage of ways you, your family and friends can get involved-Find pictures of people composting leaves, taking cans to the recycling center*

Hang the finished collages in your classroom to share with everyone, and then take them home to teach your family how to get more involved.

**What words begin with these letters that are related
to recycling?**

**R
O
N
A
L
D**

**R
E
C
Y
C
L
E**