TEACHER GUIDE

Trash Talk!

TO: Teachers

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The holiday season is almost here! Since this is a time of year when many of your students are thinking about what they *want*, we have focused this issue on comparing wants to needs and filling needs in ways that reduce more of our "waste" and reuse more of the things that we already have.

Inside this Teacher Guide, you'll find an extension activity, as well as journal and reuse ideas that can be quickly implemented as daily work supplements to the proficiencies that you teach every day. You'll also find Teacher Keys for the activities inside *Trash Talk!*

Activity	Subject Areas	Skills Addressed
"And Your Point Is?"	*Language Arts*	Using textual clues to determine the author's main purpose
"Your Choice"	*Math*	Selecting correct number sentences based on word problems Solving real-world problems involving currency
	Social Studies	Understanding how purchasing decisions affect saving and spending
"Misreading or Misleading?"	*Science*	Demonstrate how graphic representations of numbers may make it possible to accurately depict patterns or overstate patterns
	Math	Understanding and reading a graphic representation of data Evaluating the form in which data is displayed
"A Message from the Roman Ruins"	*Math* *Art*	Reading and manipulating Roman numerals Visual discrimination
"Better in Bulk?"	*Math*	Using number sense Checking the reasonableness of results

Trash Talk! is produced locally to meet our needs in educating students about waste reduction and recycling. Please contact us with your suggestions or questions.

Reuse Ideas

Math

- Find the solution for each number sentence in "Your Choice."
- If there are 32 empty, aluminum cans in a pound. How much does each can weigh?
- Write the decimal number equivalent of 30%. Write 30% as a fraction with a denominator of 100. Write 30% as a fraction in the lowest terms.

Language Arts

- Write your own secret message with the Roman numeral code. Give your coded message to a classmate to figure out.
- Highlight a phone number, a street address, and a website address.
- Choose the best word (**and**, **but**, **yet**, or **so**) to join these two sentences:
    Yummy-O's Family Cereal contains 20 servings.
    A box of Yummy-O's Cereal for One contains only 1 serving.
- Write these words in **ABC** (alphabetical) order:
    super   scary   stories   store   spend

Analogies

- III : 3 :: _____ : Arabic numeral
- aluminum : cans :: _____ : milk jugs

Social Studies

- A plan for earning, spending, and saving money is called a _____.
- Boxes are one type of _____.

Journal Writing Prompts

- Have you ever heard anyone say "You can't take it with you"? What do you think that person meant? What does it mean to you?

- What would you do if you received a birthday or holiday present that you didn't like?

- If your family lost your belongings ("stuff") in a natural disaster, what would you miss most? Why?

- What items in your home can be replaced? What items cannot?

- What items does your family "need"?

Give me five!

Copy the blackline master on the next page for each student. (Remember to copy them onto the back of reused paper, if possible.) Have your students work in pairs to complete the activity. Then ask the pairs to read their lists to the class. How do the lists compare? How do they differ? What other categories did students choose?

Give me five!

Work together with a classmate to complete this activity. Choose one of the categories listed. Write the name of that category in the first column of the chart below. Then choose a second category from this group or make up your own category. Now, for each category you and your partner have chosen, list five items that belong in this category. The items you list might be common, unusual, or funny. However, all of them should "belong" in the category.

After your lists are complete, share them with your classmates.

Reduce	Reuse	Recycle	Buy Recycled
List five things that you could give up that would reduce the amount of waste you create.	List five them that you can reuse. (Be creative!)	List five items that you can recycle at home.	List five products that are made from recycled materials.

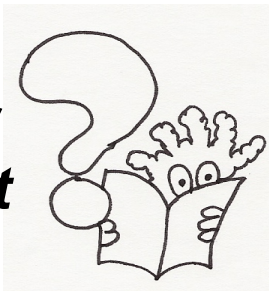| Category:	Category:
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.

Teacher Keys

A Message from the Roman Ruins

B	U	Y		O	N	L	Y
VI	MM	IX		XC	D	CD	IX

W	H	A	T		Y	O	U
XV	CI	L	CM		IX	XC	MM

R	E	A	L	L	Y
I	MCM	L	CD	CD	IX

N	E	E	D
D	MCM	MCM	X

VI + MM + IX = MMXV or 2,015
XC + D + CD + IX = CMXCIX or 999
XV + CI + L + CM = MLXVI or 1,066
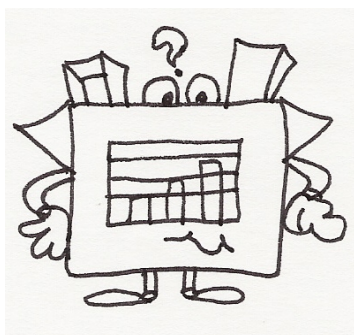Sum of the coded sentence = 13,249

And Your Point Is?

The author's purpose is to *inform*.

Your Choice

$7.99 - $2.49 = $5.50
$2.49 x 3 = $7.47
$20.00-$7.47 = $12.53

Misreading or Misleading?

1. 4 times
2. November - 207 boxes
   September - 204 boxes
3. Yes, because even though only three more boxes were used in November the graph makes it look like 4 times more boxes were used in September.
4. Answers will vary.

Better in Bulk?

The *Yummy-O's Family Cereal* containers twenty **1.1** ounce servings. The box contains **22** ounces of cereal. A box of Yummy-O's Family Cereal sells for **$5**. Each serving costs <u>about</u> **25** cents. *Yummy-O's Cereal for You* contains **1** serving. The box contains **1.1** ounces of cereal. Each box costs **$1.50**. A serving costs **$1.50**.

Yummy-O's Family Cereal is a better buy!