

TEAR+NET=GROSS

Addition and subtraction with regrouping

Episode 213: Blossom and Snappy Redecorate, Part One
2nd Grade**Georgia Performance Standards**

- M2N2a Correctly add and subtract two whole numbers up to three digits each with regrouping
- M2N2b Understand and use the inverse relation between addition and subtraction to solve problems and check solutions

Objective

- The students will find the net weight of a grocery item by weighing it with the tear as well as weighing the tear alone.

Materials

- TV/VCR or Computer/LCD Projector
- Video *Count On It!* 213
- Set of Scales – one scale per group
- Cans of soup
- Cans of beans
- Jars of spaghetti sauce
- Boxes of dishwasher detergent
- Empty containers for to put the above items in when emptying the tear
- Documentation sheet (included)
- Pencils

Procedure*Before Hand*

- Have students each bring in one can of soup, one can of beans, one jar of spaghetti sauce, OR one box or dish detergent.

Opening

- View *Count On It!* 213 clip “Tear+Net=Gross” (VHS 4:42 – 6:21).
- Review the meanings of Gross (the weight of a product including the packaging), Tear (the packaging), and Net (the weight of the product without the packaging).
- Pass out the documentation sheet provided.

Work time

- Students work in groups (group size depends upon how many students brought in their products – each group should have the same number of people as they do products). Pose the question: “How much is the net weight of each of these products?”
- Empty containers should be provided so they can discard the product.

- Each group or pair will have a scale to use – note: some students may not know how to use a scale and will need assistance to start out.
- Without telling them, students should arrive at the conclusion that if they weigh the product in the packaging, then weigh the packaging alone and subtract that from the original weight, they'll have the net weight of the product.

Closing

- Choose a few groups to come up and share their results with the class using the overhead projector.

Assessment

- Documentation sheet may be taken up for a grade
- Teacher observation/documentation on student rubric used by your school/county during work time and closing (sample rubric can be found on our website)