Bead Shop Bundles

2nd Grade Math Project · Crafts & Art

Grade 2 · Advanced

Name: _____ Date: _____ Class: _____

The Challenge

Welcome to the bead shop! Beads come one at a time, in bags of ten, and in boxes of one hundred. Fill the orders!

You will make: Bead Order Cards

I can…

- I can explain that 100 is ten tens.
- I can tell how many hundreds, tens, and ones are in a number.
- I can write numbers with digits, words, and expanded form.

Materials

- Pencil
- Base-ten blocks
- Index cards

Steps

1. Part 1: Bags and Boxes
2. Part 2: Packing Orders
3. Part 3: Writing Orders
4. Part 4: Packing Puzzle
5. Check your work and share your bead order cards.

Part 1: Bags and Boxes

A bag holds 10 beads. A box holds 10 bags.

1. How many beads are in one box?

2. How many bags make 800 beads?

Part 2: Packing Orders

Pack each order with boxes, bags, and single beads.

Order	Boxes (100)	Bags (10)	Single beads (1)
705			
590			

3. Order: 705 beads. How many boxes, bags, and single beads?

4. Order: 590 beads. How many boxes, bags, and single beads?

Part 3: Writing Orders

Write each order three ways.

5. Write 705 in expanded form.

6. Write 590 in expanded form.

Part 4: Packing Puzzle

The shop is out of boxes, so it packs with bags and single beads only.

7. How many bags and single beads make 705?

8. Leo packed 3 boxes and 14 bags. Ana packed 4 boxes and 4 bags. Who packed more beads? Explain.

9. Uma wrote seven hundred five as 7005. Explain the mistake.

Extension Challenge

An order is 9 boxes, 9 bags and 9 beads. One more bead is added. What is the new number?

How your project will be scored

Learning target	4 Exceeds	3 Meets	2 Approaching	1 Beginning
I can explain that 100 is ten tens.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can tell how many hundreds, tens, and ones are in a number.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can write numbers with digits, words, and expanded form.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can explain my thinking with pictures, numbers and words.	Clear for every part	Clear for most parts	Some explanation	Little explanation
My bead order cards is complete and matches my math.	Complete, neat, accurate	Complete	Partly complete	Not complete