# Bead Shop Bundles

2nd Grade Math Project · Crafts & Art

**Grade 2 · Remedial**

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: Order Cards
5. Check your work and share your bead order cards.

Look for the yellow Hint boxes. They show a first step.

## Part 1: Bags and Boxes

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

**1.** How many beads are in one box?

Hint: 10 tens = 1 hundred.

**2.** How many bags make 300 beads?

Hint: Each box is 10 bags.

## Part 2: Packing Orders

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

| Order | Boxes (100) | Bags (10) | Single beads (1) |
|---|---|---|---|
| 245 | | | |
| 130 | | | |

**3.** Order: 245 beads. How many boxes, bags, and single beads?

Hint: Hundreds, tens, ones.

**4.** Order: 130 beads. How many boxes, bags, and single beads?

Hint: Hundreds, tens, ones.

## Part 3: Writing Orders

Write each order three ways.

**5.** Write 245 in expanded form.

Hint: Write the value of each digit.

**6.** Write 130 in expanded form.

Hint: Write the value of each digit.

## Part 4: Order Cards

Make an order card for a number of beads you choose from 100 to 999.

**7.** Write the number in digits, in words, and in expanded form, and draw the boxes, bags and beads.

Hint: Frame: “__ boxes, __ bags, __ beads is __.”

## 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 |