

The Ribbon Shop

3rd Grade Math Project · Shopping & Crafts

Grade 3 · Remedial

Name: _____ Date: _____ Class: _____

The Challenge

Welcome to the Ribbon Shop! Every roll is 1 yard long, and customers order ribbon in fractions of a yard.

You will make: Ribbon Order Chart

I can…

- I can show and explain equivalent fractions with models.
- I can write whole numbers as fractions.
- I can compare fractions with the same numerator or the same denominator and justify my answer.

Materials

- Pencil
- Fraction strips
- Scissors and tape

Steps

1. Part 1: Matching Orders
2. Part 2: Whole Yards
3. Part 3: Who Gets More?
4. Part 4: Order Chart
5. Check your work and share your ribbon order chart.

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

Part 1: Matching Orders

Two customers get the same amount of ribbon when their fractions are equivalent.

1. Order $\frac{1}{2}$ yard. Which order in fourths is the same length?

Hint: Line up the $\frac{1}{2}$ strip with the strip cut in fourths.

2. Order $\frac{1}{4}$ yard. Which order in eighths is the same length?

Hint: Line up the $\frac{1}{4}$ strip with the strip cut in eighths.

Part 2: Whole Yards

Some customers buy whole yards.

3. Write 2 yards as a fraction with denominator 1.

Hint: 2 wholes, each with 1 part.

4. Write 1 yard in fourths.

Hint: All 4 fourths make 1 whole.

5. Write 3 yards in halves.

Hint: Each yard has 2 halves: 3 × 2.

Part 3: Who Gets More?

Compare the orders. Write >, < or = and explain.

6. $\frac{3}{8}$ yard ___ $\frac{5}{8}$ yard

Hint: Same denominator: compare the numerators.

7. $\frac{1}{3}$ yard ___ $\frac{1}{6}$ yard

Hint: Same numerator: the bigger pieces win.

Part 4: Order Chart

Make a chart of 4 orders: two equivalent pairs and one comparison.

8. Your chart.

Hint: Use strips of the same length for every order.

Extension Challenge

Find three fractions equal to $\frac{1}{2}$ using halves, fourths, sixths or eighths.

How your project will be scored

Learning target	4 Exceeds	3 Meets	2 Approaching	1 Beginning
I can show and explain equivalent fractions with models.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can write whole numbers as fractions.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can compare fractions with the same numerator or the same denominator and justify my answer.	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 ribbon order chart is complete and matches my math.	Complete, neat, accurate	Complete	Partly complete	Not complete