

The Ribbon Shop

3rd Grade Math Project · Shopping & Crafts

Grade 3 · Advanced

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: Customer Claims
5. Check your work and share your ribbon order chart.

Part 1: Matching Orders

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

1. Order $\frac{2}{3}$ yard. Which order in sixths is the same length?

2. Order $\frac{3}{4}$ yard. Which order in eighths is the same length?

3. Order $\frac{3}{2}$ yard. Which order in fourths is the same length?

Part 2: Whole Yards

Some customers buy whole yards.

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

5. Write 1 yard in fourths.

6. Write 3 yards in halves.

Part 3: Who Gets More?

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

7. $\frac{7}{8}$ yard ___ $\frac{5}{8}$ yard

8. $\frac{3}{6}$ yard ___ $\frac{3}{4}$ yard

Part 4: Customer Claims

Decide if each claim is true. Explain with a model.

9. "$\frac{1}{8}$ yard is more than $\frac{1}{4}$ yard because 8 > 4."

10. "$\frac{1}{2}$ of my small ribbon roll is the same as $\frac{1}{2}$ of the big roll."

11. "$\frac{4}{4} = \frac{8}{8} = 1$ yard."

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