Unit 4 Module 3 Session 2

Problems & Investigations-Comparing & Ordering Unit Fractions

Getting Ready-

- Several sheets of 9" × 12" yellow construction paper (see Preparation)
- several pieces of 4" × 6" white copy paper for demonstration purposes
- students' folded and labeled paper rectangles from the previous session
- scissors, class set

Getting Ready Con't.

- six 1" × 12" strips of red construction paper
- masking tape or magnets
- glue sticks (optional)
- 12" × 18" construction paper, any color (optional, class set)

Vocabulary

Common fractions

Compare

Denominator

Fraction

Greatest

Least

Less than

More than

Numerator

Order

Unit fraction

- Demonstrate an understanding of a unit fraction
- Represent fractions with denominators of 2, 3, 4, 6, and 8 as parts of a whole
- Demonstrate an understanding of a fraction as equal parts of a whole
- Explain why one fraction must be greater than or less than another fraction
- Order fractions that have denominators of 2, 3, 4, 6, and 8

What does fair share mean?

What does 1/4 mean?

What does 1/8 mean?

Numerator- the number on the top of a fraction (how many parts we have)

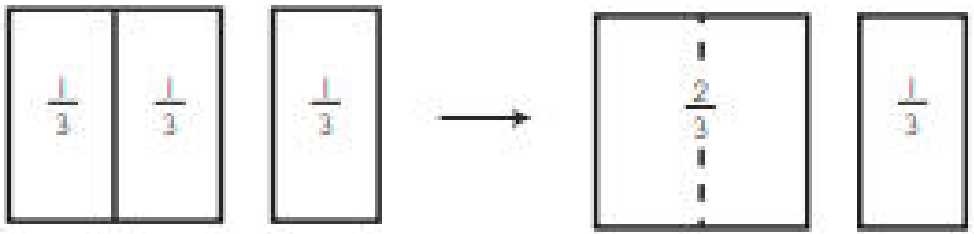
Denominator-the number on the bottom of the fraction. (How many equal parts the item is divided into.)

Get out your paper folded in 3 equal parts.

Cut off 1 equal part

Label the 2 parts that are left ⅔

On the back of the ⅔ write ⅓ + ⅓ =2/3

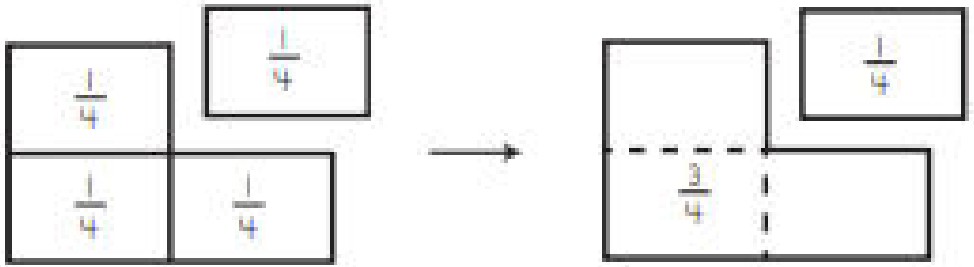


Get out your paper folded in 4 equal parts.

Cut off 1 equal part

Label the 3 parts that are left ¾

On the back of the 3/4 write ¼ + ¼ +¼ =3/4

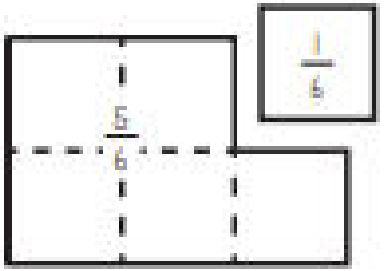


Get out your paper folded in 6 equal parts.

Cut off 1 equal part

Label the 5 parts that are left 5/6

On the back of the 5/6 write ⅙ + ⅙ + ⅙ + ⅙ + ⅙ =5/6

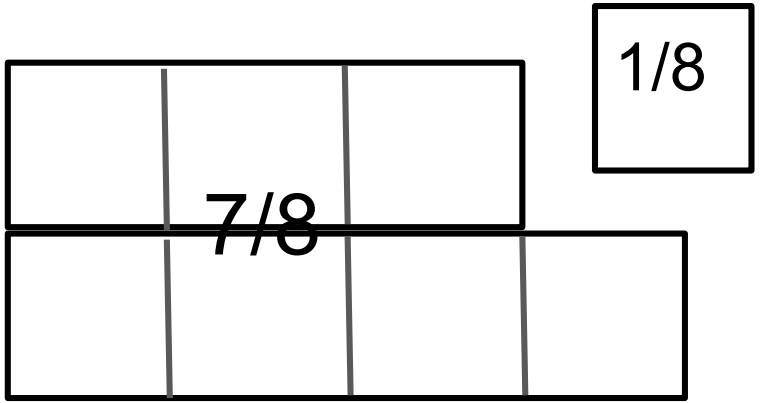


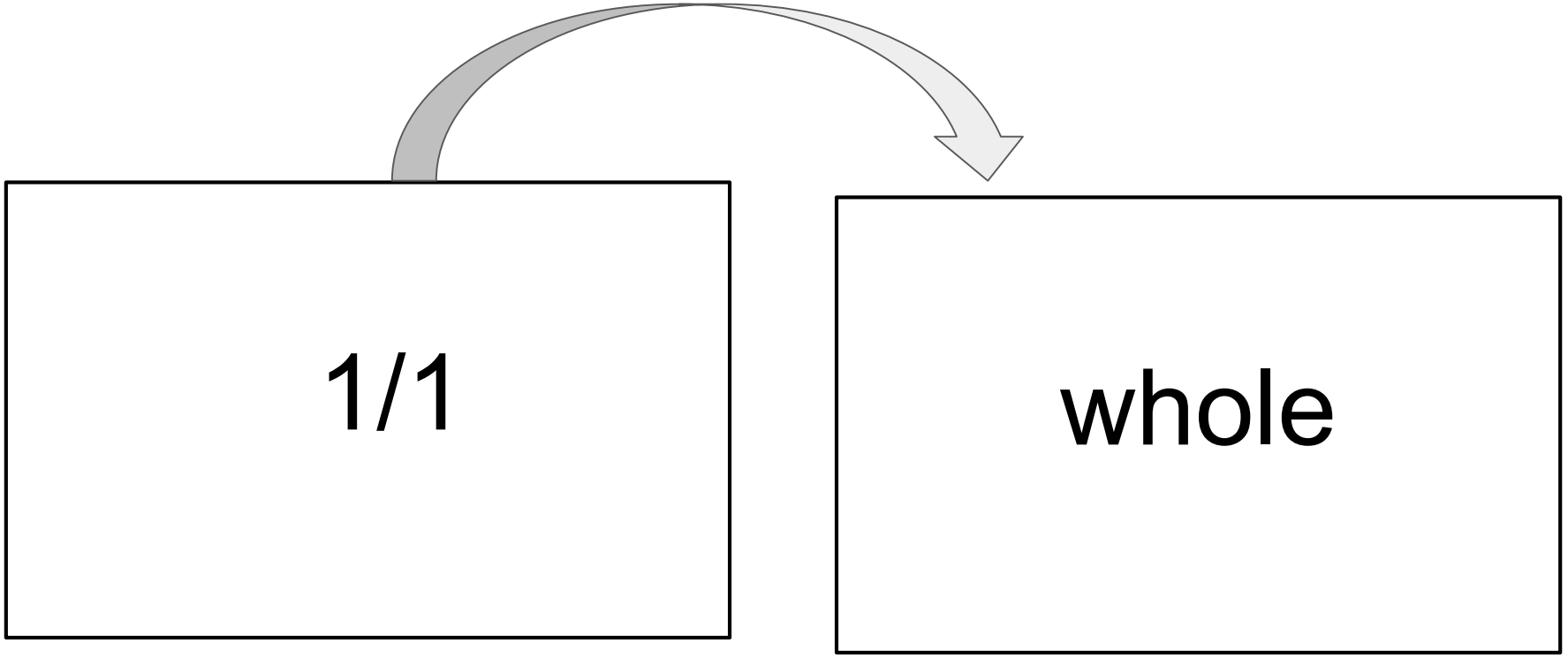
Get out your paper folded in 8 equal parts.

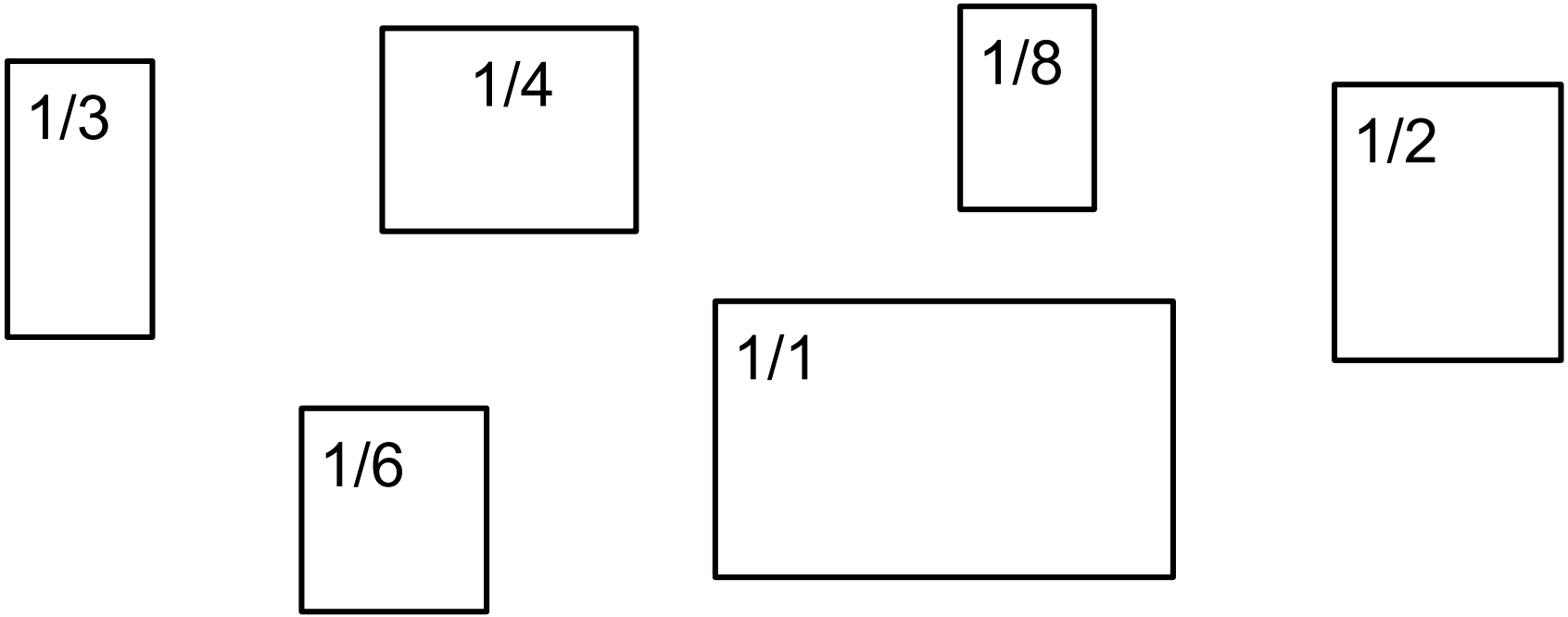
Cut off 1 equal part

Label the 7 parts that are left 7/8

On the back of the 7/8 write 1/7 + 1/7 + 1/7 + 1/7 + 1/7 + 1/7 + 1/7 =7/8



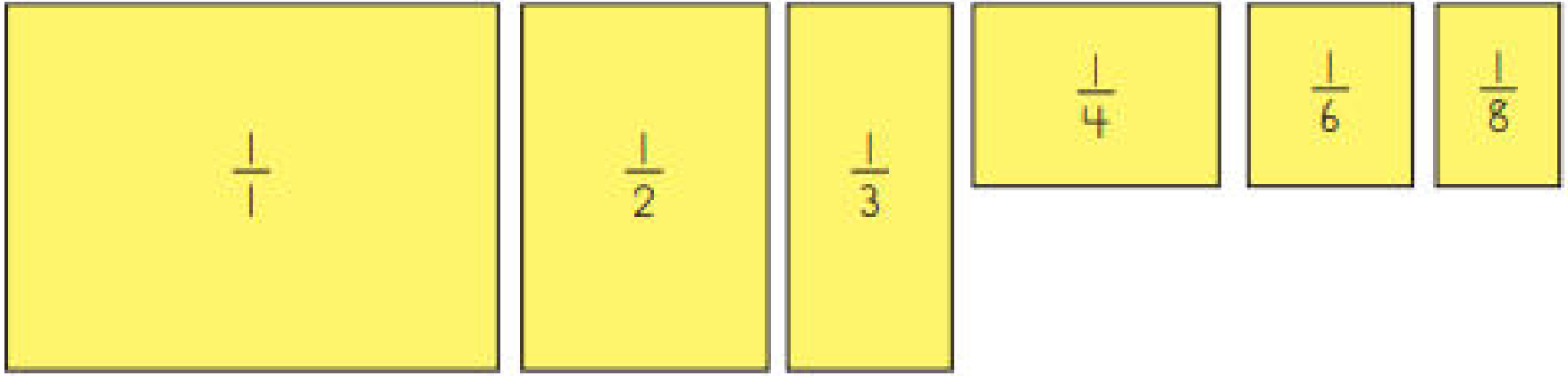

1/1
whole



Take each or your unit fraction pieces, including the whole, and line them up from greatest to least.

HOW DID YOU DO?

$\frac{1}{1}$	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{6}$	$\frac{1}{8}$



OBSERVATIONS?

Use the word bank in your observations.

Greatest	Denominator
Fraction	Unit fraction
Least	Order
Less than	Numerator
More than	

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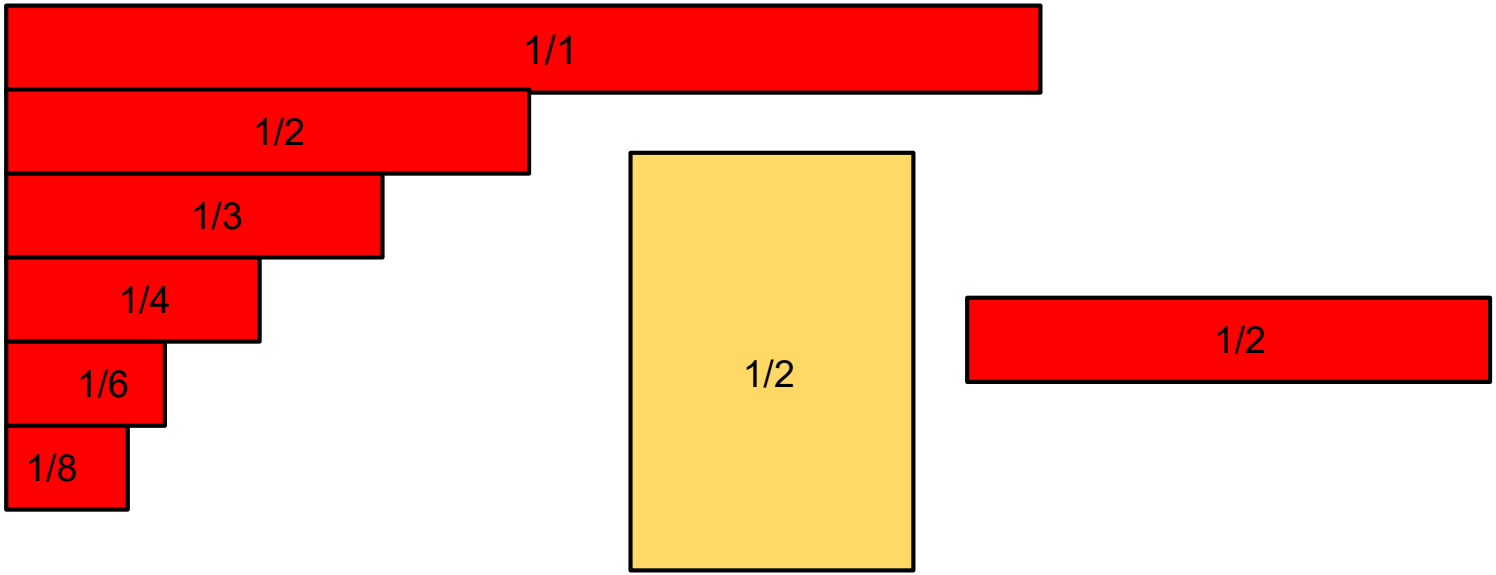

- Are these both one-half? How can that be?
- Which half would you rather have? Why?
- Which half is bigger? How do you know?
- Does the size of the whole matter? Why?


Put all your fraction pieces in your envelope.

Work Places

3B Add & Round Tens

3C Round Ball Hundreds

3D Round & Add Hundreds

4A Tic-Tac-Tock

4B Measurement Scavenger Hunt

4C Target One Thousand

Daily Practice

SB 129 Comparing Unit Fractions