

# Representing Fractions

Learning Goals:

- Represent fractions using concrete materials, words
- Write out fractions in proper form

# Fraction notation

- > The fraction is part of a whole.
- > **Numerator** = number of parts being considered
- > **Denominator** = number of equal parts into which the whole is divided

Please copy!

5

In this fraction, 5 out of the total 8 are being used

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8

The whole is divided into 8 pieces

# Getting Ready for Today's Learning Goals...

Fraction Talk:

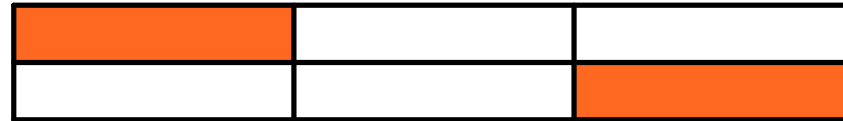
Examine the four images at your math group carefully.

Discuss with your groupmates:  
**which picture in each set does  
not belong?**

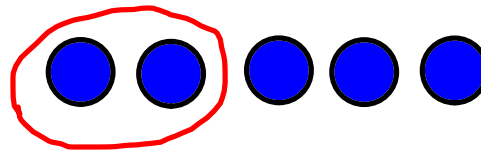
**Circle your choice and be ready  
to explain it to the class.**

**We can use different models to represent fractions as part of a whole.**

1. Using **area models** (this model represents  $2/6$ )



2. Using **set models** (a collection of objects represent a whole – in this case the circled counters represent  $2/5$ )

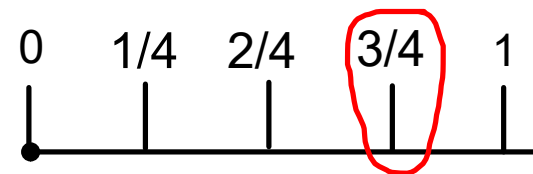


*3 fractions*

3. Using **linear models** ( $6/9$ )



4. Using a **number line** ( $3/4$ )



Group Problem for Today: Draw and answer on chart paper.

1. Choose three fractions, all with different denominators and numerators from each other.
2. Represent each of the fractions in two or more different ways. (examples: number line, area/linear model, set model, etc.).
3. How are the representations you made alike and different?

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How do the images below represent fractions? Write down what fractions you see.

(1)



(3)



(2)

