

Sept 27 notes and announcements:

Schedule:

Sept 27: equivalent fractions--Zoom

Sept 29: common denominators--Zoom

Oct 1: Assignment due, review integers, review information for test—Back Face to Face

Oct 4: Review fractions (assignment passed back)

Oct 6: Exam 1: Integers and fractions

Equivalent Fractions:

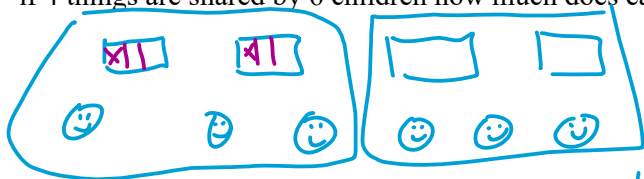
$$\frac{4}{6}$$

<p>4 sixths Split a whole into 6 parts Take 4 parts that size</p>	<p>The amount each child gets if 4 things are shared by 6 children. Thumbs up—thought of it as division: 4 / 6: 4 things divided into 6 categories.</p>
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$4/6 < 1$, each child gets less than 1 candy bar. More children than things.

if 4 things are shared by 6 children how much does each child get?



$$4 \div 2 = 2$$

$$6 \div 2 = 3$$

Split things & kids into 2 equal groups

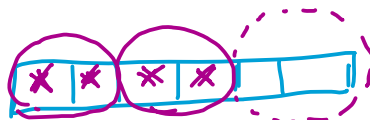
2 things shared by 3 children: same size shares

$$\frac{4}{6} = \frac{2}{3}$$

4 sixths

Split a whole into 6 parts →

Take 4 parts that size



make 4 parts of size $\frac{1}{6}$

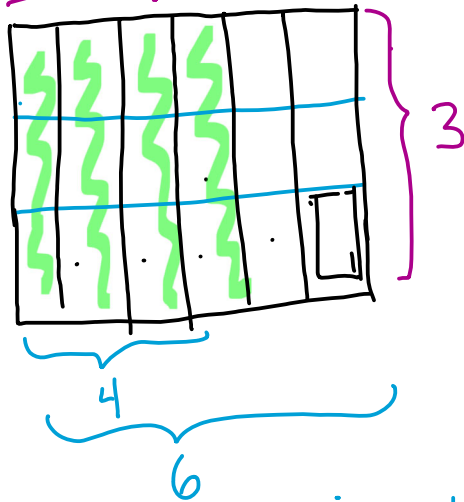
$$\frac{4 \div 2}{6 \div 2} = \frac{2}{3}$$

2 groups of size $\frac{1}{3}$

number of groups in whole

$$\frac{4}{6}$$

splitting



4x3 parts
of size
 $\frac{1}{3 \times 6}$
↑
pieces in whole

4 parts of size $\frac{1}{6}$

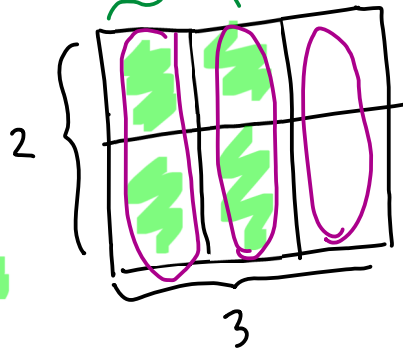


$$\frac{4}{6} = \frac{4 \times 3}{6 \times 3}$$

$$\frac{4}{6} = \frac{2 \times 2}{3 \times 2}$$

2 groups
3 groups to
make 1
whole

2 2x2 parts in my
fraction



← grouping
make groups of
 $\frac{2}{6}$

2x3 parts in a whole

Equivalent fractions

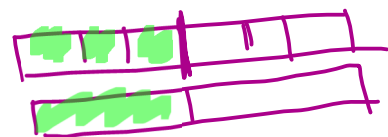
Experiment with

Experiment with

$$\frac{2}{4}$$



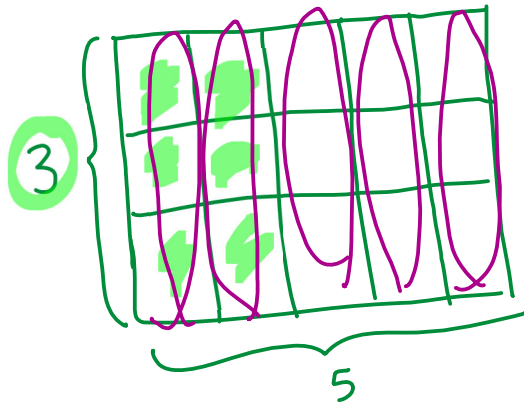
$$\frac{1}{2}$$



$$\frac{3}{6} = \frac{1}{2}$$

$$\frac{6}{15}$$

$$= \frac{3 \times 2}{3 \times 5}$$



$$3 \frac{3 \times 2}{\cancel{3} \times 5} = \frac{2}{5}$$

$$\frac{6 \div 3}{15 \div 3} = \frac{2}{5}$$