Slide 1:

→ Fantastic Fractions!   do?

★ Basic ideas
   + , ×   ÷   } Fractions, ratios, Word probs

X facts ←

Early word probs

Slide 2:

If I ate these two slices, how much of the pizza did I eat?

Slide 3:

Concept 1: Every fraction is a fraction of something

Show 3/4 of these shapes:

Slide 4:

Concept 1: Every fraction is a fraction of something

Show 3/4 of these shapes:

0   1

Slide 5:

Concept 1: Every fraction is a fraction of something

If this shape shows 1/3, what shape shows the whole?

Slide 6:

Concept 1: Every fraction is a fraction of something

If this shape shows 1/3, what shape shows the whole?

Common Core Standards fraction description

Understand a fraction 1/*b* as the quantity formed by 1 part when a whole is partitioned into *b* equal parts; understand a fraction *a*/*b* as the quantity formed by *a* parts of size 1/*b*.

Show 7/4

Common Core Standards fraction description

Understand a fraction 1/*b* as the quantity formed by 1 part when a whole is partitioned into *b* equal parts; understand a fraction *a*/*b* as the quantity formed by *a* parts of size 1/*b*.

Show 7/4

Fractions can have different names

Fractions can be equal, equivalent, the same

2/3 =

Fractions can have different names

Fractions can be equal, equivalent, the same

2/3 =   2/3 =   2/3 =

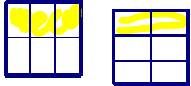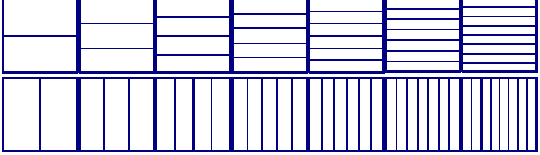2/3 =   2/3 =

Adding Fractions

$$\frac{1}{2} + \frac{1}{3}$$

> Find Common Denom
> Find Equivalent
      Fractions
> Add

Fractions can have different names

Fractions can be equal, equivalent, the same

2/3 = 4/6   2/3 = 8/12

2/3 = 12/18

5×2 / 5×3

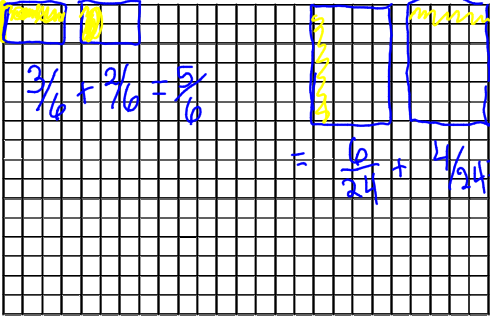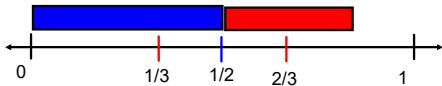$\frac{1}{2} + \frac{1}{3}$

$\frac{1}{2} + \frac{1}{3}$

$\frac{1}{4} + \frac{1}{6}$

$= \frac{3}{6} + \frac{2}{6} = \frac{5}{6}$

$= \frac{6}{24} + \frac{4}{24} = \frac{10}{24}$

$\frac{1}{2} + \frac{1}{3}$

0   1/3   1/2   2/3   1

$\frac{1}{2} \times \frac{1}{3}$ 3x4 means 3 taken 4 times
a group has 3 wholes in it, and I take 4 groups
1/2 x 1/3 must mean 1/2 taken 1/3 times
a group has 1/2 **of a whole** unit in it,
and I take 1/3 **of a group**

is $\frac{1}{2}$ of .

$\frac{1}{2} \times \frac{1}{3}$ is   which is $\frac{1}{3}$ of .