6 Review Fractions

September 20, 2020   3:54 PM

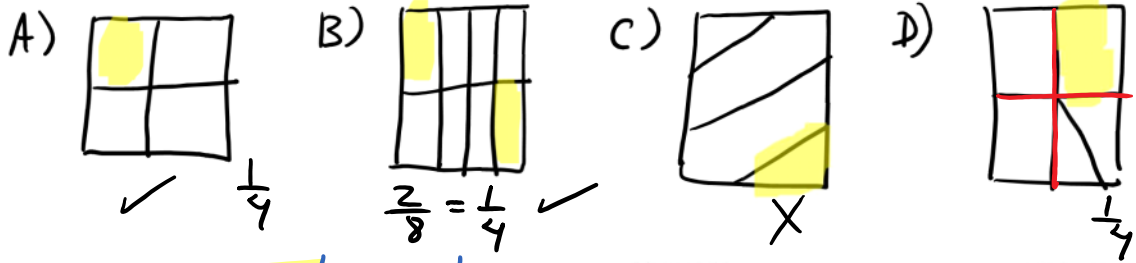**Math 9**   Name: _____

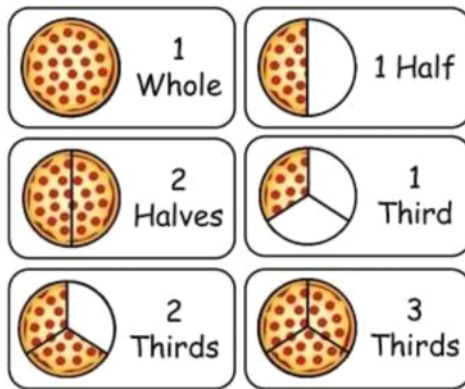**Ch 3 Day 6: Review of Fractions**   Page 1 of 4

Fractions

Which of the following diagrams is *one-fourth* of the area shaded?

A) ✓ $\frac{1}{4}$

B) $\frac{2}{8} = \frac{1}{4}$ ✓

C) ✗

D) $\frac{1}{4}$

Fractions are e*qual* p*arts* of a w*hole*.

1 Whole	1 Half
2 Halves	1 Third
2 Thirds	3 Thirds

"To show you how well I understand fractions, I only did half of my homework."

3 fuur**ths** (quarters)

2 fif**ths**

1 out of 4 equal parts:

$\frac{1}{4}$ ← numeratur

   ← denominatur

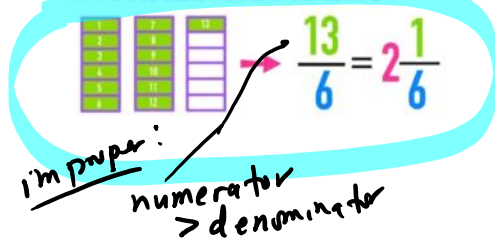What is the type of fraction that has 6 equal pieces?

six **ths**.

10 ten **ths**

Convert from Improper Fraction to Mixed Number

CONVERTING **STEP-BY-STEP**
IMPROPER FRACTIONS
TO MIXED NUMBERS

$$\frac{13}{6} = 2\frac{1}{6}$$

improper:
numerator > denominator

How many times does 4 into 7?

$$\frac{7}{4} = 1\frac{3}{4}$$

$$\frac{19}{3} = 6\frac{1}{3}$$

$$\frac{33}{7} = 4\frac{5}{7}$$

$4 \times 7 = 28$

Convert from Mixed Number to Improper Fraction

$$2\frac{3}{4} = \frac{(4 \times 2)+3}{4} = \frac{11}{4}$$

$$2\frac{+3}{4} = \frac{11}{4}$$

$$-3\frac{+5}{8} = \frac{-29}{8}$$

$24+5$

$$\underline{mixed\ number} \qquad \underline{improper\ fraction}$$

$$2\frac{\div 1}{\times 6} = \frac{13}{6}$$

$$3\frac{+4}{\times 5} = \frac{19}{5}$$

Ms. Kamber

Equivalent Fractions

For example, see the fractions strips.

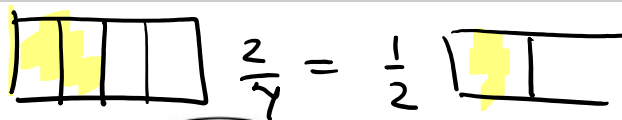$$\frac{2}{4} = \frac{1}{2}$$

Fractions wear disguises!

$$\frac{2}{4} = \frac{1}{2}$$

Equivalent Fractions

For example, see the fractions strips.

Fractions wear disguises!

Reducing Fractions

① GCF (Greatest Common Factor)

GCF = 4

$$\frac{8 \div 4}{12 \div 4} = \frac{2}{3}$$

② Chart Method:
  Find 8 & 12 in same column(s)
  If they are in more than 1
  column, choose the UPPER ones!
  SLIDE to the LEFT to get
  get simplified fraction!

GCF = 3

$$\frac{12 \div 3}{21 \div 3} = \frac{4}{7}$$

GCF = 6

$$\frac{18 \div 6}{30 \div 6} = \frac{6}{10} = \frac{3}{5}$$

$$\frac{78}{90} = \frac{13}{15}$$

chart method!

Assignment:

⭐ Mixed Fraction to Improper Fraction worksheet (and Improper Fraction to Mixed Fraction Worksheet on other side)

- ⭐⭐ "What is the Difference between a 16-ounce…" Joke Worksheet

- ⭐⭐ Simplify the Fractions Worksheet

- ⭐⭐⭐ "Why Was the Zoo Worker Fired for Feeding the Monkeys?" Joke Worksheet

Ms. Kamber

FRACTION STRIPS UP TO TWELFTHS

1 WHOLE

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

$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$

$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$

$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$

$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$

$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$

$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$

$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$