

6 Review Fractions

September 20, 2020 3:54 PM

Math 9

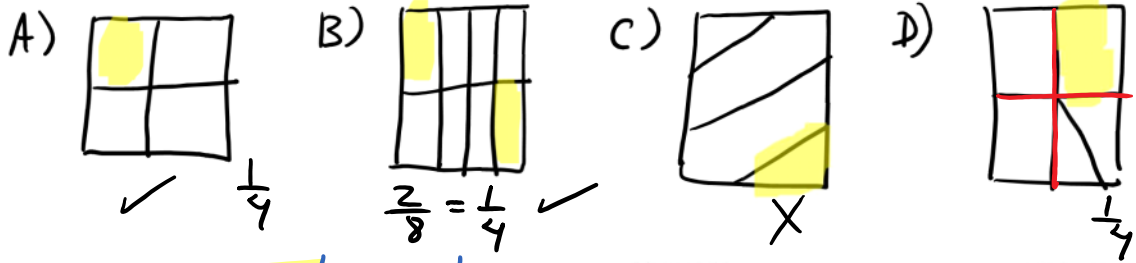
Name: _____

Ch 3 Day 6: Review of Fractions

Page 1 of 4

Fractions

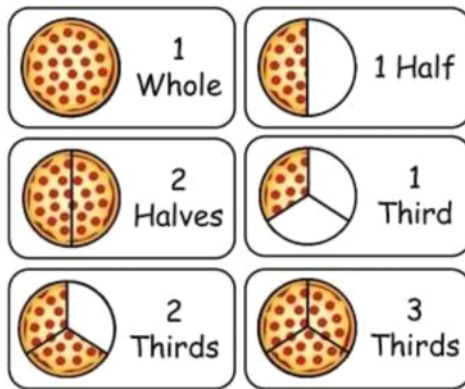
Which of the following diagrams is *one-fourth* of the area shaded?



Fractions are equal parts of a whole.

© MARK ANDERSON

WWW.ANDERSONS.COM



3 fourths (quarters)

2 fifths



1 out of 4 equal parts:

$\frac{1}{4}$ ← numerator
← denominator

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

Sixths

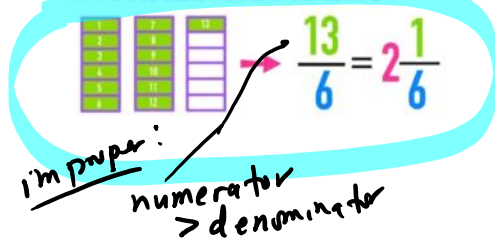
10 tenths

Convert from Improper Fraction to Mixed Number

Convert from Mixed Number to Improper Fraction

CONVERTING IMPROPER FRACTIONS TO MIXED NUMBERS

STEP-BY-STEP



How many times does 4 go into 7?

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

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

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

$4 \times 7 = 28$

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

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

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

$24 \div 8 = 3$

mixed number

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

improper fraction

$$\frac{13}{6}$$

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

Ms. Kamber

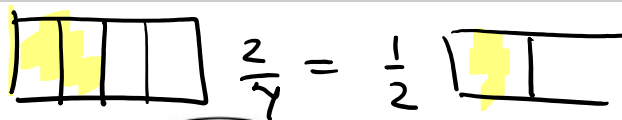
$$\frac{2}{4} = \frac{1}{2}$$

Equivalent Fractions

For example, see the fractions strips.

Fractions wear disguises!





Equivalent Fractions

For example, see the fractions strips.

Fractions
wear
disguises!



Reducing Fractions

① GCF (Greatest Common Factor)
GCF=4

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

② Chart Method:

Find 8 & 12 in same column(s)

If they are in more than 1
column, choose the UPPER one!

SLIDE to the LEFT to get
simplified fraction!

GCF=3

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

GCF=6

$$\frac{12}{30} \div 6 = \frac{2}{5}$$

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

chart "oo"
method! →

X	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
3	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45
4	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60
5	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
6	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90
7	7	14	21	28	35	42	49	56	63	70	77	84	91	98	105
8	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120
9	9	18	27	36	45	54	63	72	81	90	99	108	117	126	135
10	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
11	11	22	33	44	55	66	77	88	99	110	121	132	143	154	165
12	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180
13	13	26	39	52	65	78	91	104	117	130	143	156	169	182	195
14	14	28	42	56	70	84	98	112	126	140	154	168	182	196	210
15	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225

X	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
3	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45
4	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60
5	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
6	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90
7	7	14	21	28	35	42	49	56	63	70	77	84	91	98	105
8	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120
9	9	18	27	36	45	54	63	72	81	90	99	108	117	126	135
10	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
11	11	22	33	44	55	66	77	88	99	110	121	132	143	154	165
12	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180
13	13	26	39	52	65	78	91	104	117	130	143	156	169	182	195
14	14	28	42	56	70	84	98	112	126	140	154	168	182	196	210
15	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225

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

Name _____

Date _____



FRACTION STRIPS UP TO TWELFTHS

1 WHOLE											
$\frac{1}{2}$						$\frac{1}{2}$					
$\frac{1}{3}$				$\frac{1}{3}$				$\frac{1}{3}$			
$\frac{1}{4}$			$\frac{1}{4}$			$\frac{1}{4}$			$\frac{1}{4}$		
$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$	
$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$	
$\frac{1}{8}$		$\frac{1}{8}$		$\frac{1}{8}$		$\frac{1}{8}$		$\frac{1}{8}$		$\frac{1}{8}$	
$\frac{1}{9}$		$\frac{1}{9}$		$\frac{1}{9}$		$\frac{1}{9}$		$\frac{1}{9}$		$\frac{1}{9}$	
$\frac{1}{10}$		$\frac{1}{10}$		$\frac{1}{10}$		$\frac{1}{10}$		$\frac{1}{10}$		$\frac{1}{10}$	
$\frac{1}{12}$		$\frac{1}{12}$		$\frac{1}{12}$		$\frac{1}{12}$		$\frac{1}{12}$		$\frac{1}{12}$	