Warm Up Grade 8

1) Put the following fraction in order from greatest to least.

2) Find 3 equivalent fractions to
$$\frac{7}{8}$$

3) what is 18 as s decimal?

$$\frac{18}{20} \stackrel{?}{=} \frac{20}{10} = 0.9$$

$$\frac{36 \div 2}{90 \div 2} = \frac{18 \div 9}{45 \div 9} = \frac{2}{5}$$

Warm Up Grade 8

1) Put the following fraction in order from greatest to least.

$$\frac{7}{9}, \frac{3}{4}, \frac{1}{2}, \frac{5}{6}, \frac{7}{12}$$
2) Find 3 equivalent fractions to $\frac{7}{8}$

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

- 3) what is 18 as s decimal?
- 4) Reduce 36 90

$$\frac{18}{18} \div 3 = \frac{10}{9} = 0.9$$

$$\frac{36 \div 3}{90 \div 3} = \frac{12 \div 2}{30 \div 2} = \frac{6 \div 3}{15 \div 3} = \frac{2}{5}$$

Grade 8 Unit 3: Fraction Day 1

Homework **Solutions**

Sheet 137

1) For each fraction, write an equivalent fraction with denominator 10, 100, or 1000. Then, write the fraction as a decimal.

a)
$$\frac{4}{5} \stackrel{\times 2}{=} \frac{8}{10} = 0.8$$

b)
$$\frac{3}{50} \stackrel{\times^2}{=} \frac{6}{100} = 0.00$$

a)
$$\frac{4}{5} \stackrel{\text{x}^2}{=} \frac{8}{10} = 0.8$$
 b) $\frac{3}{50} \stackrel{\text{x}^2}{=} \frac{6}{100} = 0.06$ **c)** $\frac{7}{20} \stackrel{\text{x}^5}{=} \frac{35}{100} = 0.35$ **d)** $\frac{19}{200} \stackrel{\text{x}^5}{=} \frac{95}{1000} = 0.095$

d)
$$\frac{19}{200} = \frac{5}{200} = 0.095$$

2) Use Equivalent Fractions to order the fractions from least to greatest



The fraction now with the largest numerator is the biggest

Homework Solutions

e)
$$\frac{5}{5} = \frac{15}{15}$$

5. Lowest terms

$$a = \frac{3}{12} = \frac{1}{4}$$

Homework **Solutions**

a)
$$\frac{12}{6444} = \frac{3}{16}$$
c) $\frac{24}{80} \stackrel{?}{}_{12} = \frac{3}{16}$
 $\frac{12}{6444} = \frac{3}{16}$
 $\frac{12}{6444} = \frac{3}{16}$
 $\frac{12}{644} \stackrel{?}{}_{12} = \frac{3}{3242} \stackrel{?}{}_{13} = \frac{3}{16}$
c) $\frac{24}{80} \stackrel{?}{}_{12} = \frac{12}{40} \stackrel{?}{}_{12} = \frac{3}{10} = \frac{3}{8078} \stackrel{?}{}_{13} = \frac{3}{10}$

Homework Solutions

b. 32 students, 12 do not like pizza

so 20 like pizza

Homework

Solutions

Frution 20:4

32:4

8

$$\frac{4}{12} = \frac{1}{3}$$

$$\frac{15}{60} = \frac{1}{4}$$

Homework
Solutions

$$\frac{3}{9} = \frac{12}{36}$$

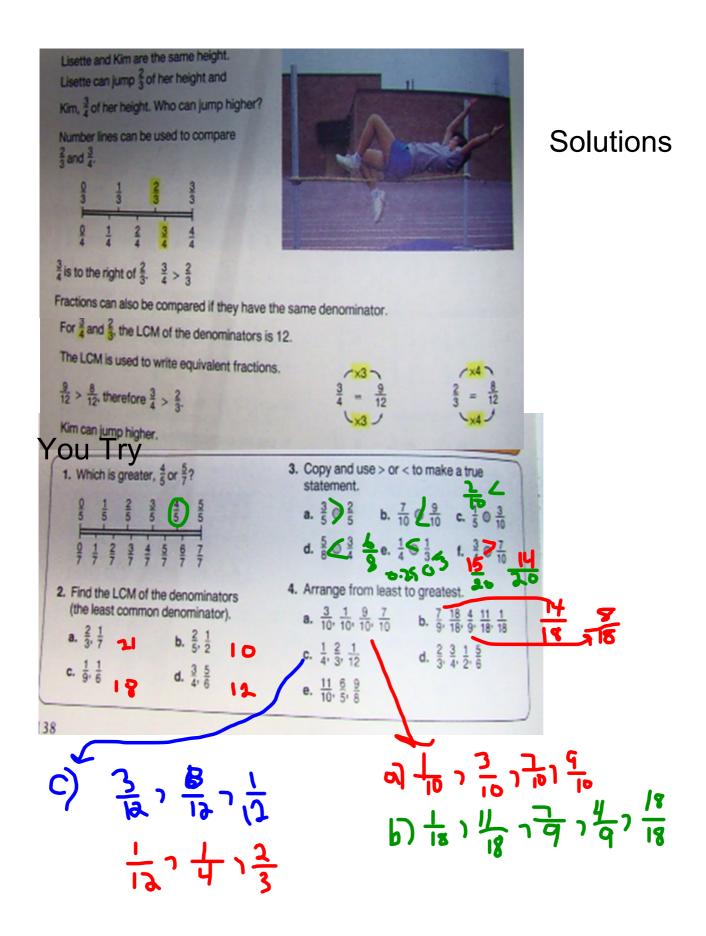
$$\frac{1}{1} = \frac{32}{16}$$

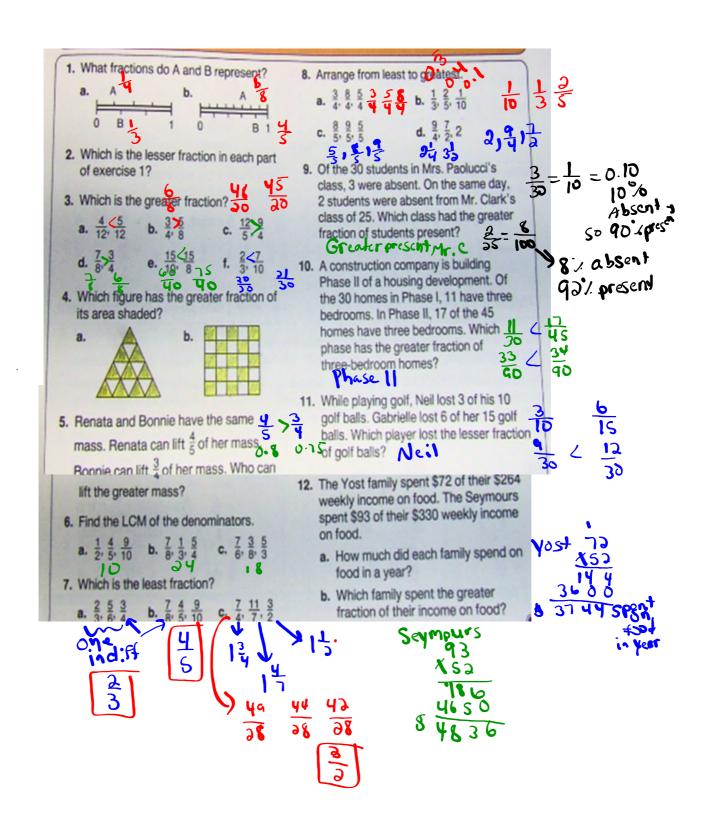
$$\omega = \frac{10}{50}$$

$$11\frac{45}{300} = \frac{15}{100}$$

$$(2) \frac{2}{21} = \frac{6}{63}$$

GREAT! YOU FIGURED IT OUT.





Mixed Numbers and Improper Fractions

A mixed number	contains a whole a	and a fraction E	xample:	25
\	8=	2=		
An improper fraction is when the numerator is greater than the denominator				
Example:	<u>15, 9</u>			
	7 2			

+
Homework
Sheet 173 # 1-3,5,6, 10,111

Mixed Fraction to Improper Fraction

To change a mixed number to an improper fraction, multiply the whole number by the denominator, then add the numerator to your answer. This will give the numerator for the improper fraction, and the denominator always stays the same.

Ex 1),
$$8\frac{1}{3}$$
= 25

http://www.youtube.com/watch?v=1BbNOwCQwB0

$$Ex 2) \quad 2 \quad 5^{\dagger}$$

$$= \quad \boxed{9}$$

You try

$$^{3}2\frac{3}{5}=\frac{13}{5}$$

whole number times denom, then

add numeraby > numerator

stays some

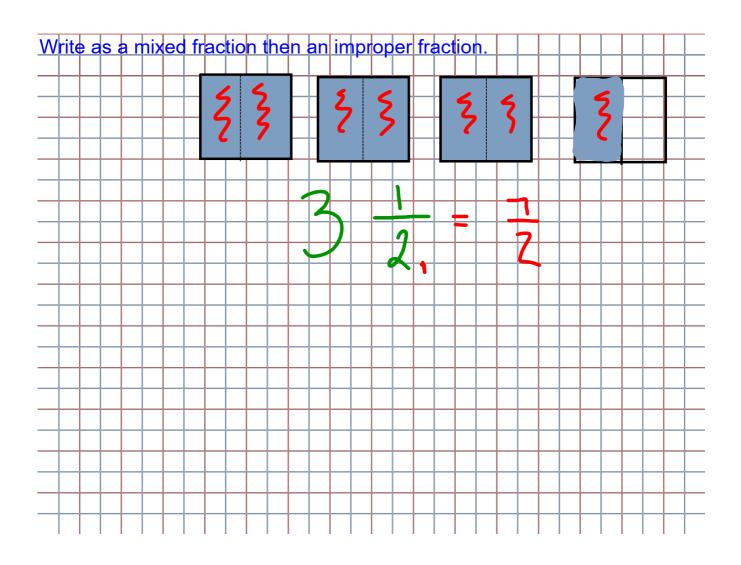
Improper Fraction to Mixed Fraction

To change an improper fraction to a mixed number, divide the numerator by the denominator, the answer will be the whole number part of the mixed number; and the remainder will be the numerator of the mixed number. The denominator stays the same.

Example 1:
$$\frac{15}{7}$$
 = 2

Example 2:
$$\frac{9}{2}$$

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



Sheet 173

All questions

Grade 8 Unit 3 Fractions WS 173 (Mixed & Improper).docx