

Solutions

Algebra Review Class
Day 2 Worksheet

1.	Convert each rational number to the forms indicated. Fraction: <u>3/4</u> Decimal <u>.75</u> Percent <u>75%</u>	
2.	Fraction: <u>5/16</u> Decimal <u>.3125</u> Percent <u>31.25%</u>	
3.	Fraction: <u>4/11</u> Decimal <u>$\frac{4}{11}$</u> Percent <u>36.4%</u>	
4.	Fraction: <u>$\frac{3}{50}$</u> Decimal <u>.06</u> Percent <u>6%</u>	
5.	Fraction: <u>$\frac{17}{200}$</u> Decimal <u>.085</u> Percent <u>8.5%</u>	
6.	Fraction: <u>$\frac{7}{10}$</u> Decimal <u>.7</u> Percent <u>70%</u>	
7.	Fraction: <u>$\frac{2}{5}$</u> Decimal <u>.4</u> Percent <u>40%</u>	
8.	Fraction: <u>$\frac{131}{200}$</u> Decimal <u>.655</u> Percent <u>65.5%</u>	
9.	Fraction: <u>$\frac{131}{400}$</u> Decimal <u>.3275</u> Percent <u>32 3/4%</u>	
10.	Multiply $\frac{8}{1} \times \frac{17}{6}$ 8 x 2 5/6	<u>$\frac{68}{3}$</u>
11.	$1 \frac{2}{3} \times 1 \frac{1}{5}$ $\frac{5}{3} \times \frac{6}{5}$	<u>2</u>
12.	$\frac{4}{5} \times 3 \frac{1}{2} \times 2 \frac{1}{2}$ $\frac{4}{5} \times \frac{7}{2} \times \frac{5}{2}$	<u>7</u>
13.	.23 x 6	<u>1.38</u>
14.	.42 x .006	<u>.00252</u>

15.	Add/Subtract $5/6 + 2\ 3/10$	$\frac{5}{6} + \frac{23}{10} = \frac{25}{30} + \frac{69}{30} = \frac{94}{30}$	$\frac{47}{15}$
16.	$7/9 + 2/3$	$\frac{7}{9} + \frac{6}{9} = \frac{13}{9}$	$\frac{13}{9}$
17.	$3\ 2/5 - 1\ 7/10$	$\frac{17}{3} - \frac{17}{10} = \frac{170}{30} - \frac{51}{30} = \frac{119}{30}$	$\frac{119}{30}$
18.	$7 - 2\ 1/4$	$6\ 4/4 - 2\ 1/4 =$	$4\ 3/4$
19.	$3.82 + 14.683 + .8$		19.303
20.	$52.74 - 9.38$		43.36
21.	$-9.26 - 12.06$		-21.32
22.	$-3/4 + (-3/5)$	$-\frac{15}{20} + -\frac{12}{20}$	$-\frac{27}{20}$
23.	Divide $\frac{4}{5} \div \frac{5}{6}$	$\frac{4}{5} \times \frac{6}{5}$	$\frac{24}{25}$
24.	$4\ 2/3 \div 1\ 1/6$	$2\ 14/3 \times \frac{6}{7}$	4
25.	$.954 \div 3$.318
26.	$13.923 \div 2.21$		6.3
27.	Fill in the blanks <u>32</u> is 40% of 80		
28.	35 is <u>25</u> % of 140		

29.	42 is 30% of <u>140</u>	
30.	Simplify $\frac{168p}{-14}$	$-12p$
31.	$\frac{25-5x}{5}$	$5-x$
32.	$\frac{18x+12y}{-6}$	$\frac{-6(-3x-2y)}{-6}$ $-3x-2y$
33.	$\frac{x}{2} + \frac{3x}{4} - x$	$\frac{1}{2}x + \frac{3}{4}x - 1x$ $\frac{2}{2}x$ $\frac{2}{4}x + \frac{3}{4}x - \frac{4}{4}x$
34.	$x^2 - \frac{x^2}{3} + 3x - \frac{2x}{5}$	$\frac{3}{3}x^2 - \frac{1}{3}x^2 + \frac{15}{5}x - \frac{2}{5}x = \frac{2}{3}x^2 + \frac{13}{5}x$
35.	$4 - \frac{3}{4}(\frac{2}{5} + \frac{1}{4})$	$\frac{4}{1} - \frac{3}{10} - \frac{3}{12} = \frac{240}{60} - \frac{18}{60} - \frac{15}{60} = \frac{207}{60}$
36.	Place these numbers in order from least to greatest. $-2\frac{1}{2}, 1, -2, 1\frac{1}{2}, 0.5$	$-2\frac{1}{2}$ -2 0.5 1 $1\frac{1}{2}$