Posttest Solutions

These posttest solutions have been provided to help students understand how to do those posttest problems answered incorrectly. If looking at the solution does not make the math required to do the problem clear, study the learning unit that matches the problem's number.

Posttest Solutions								
Please note that posttest solu	utions are numbered to match I	earning unit numbers.						
 Which number is fifteen th A) 15046 B) 15406 C) 15460 D) 14064 	housand four hundred sixty?	2) Round 68,559 to the nearest thousand.69,000						
3A) 96 + 673 + 9 =	3B) 704 - 38 =	4A) 86 × 406 =						
96 673 + <u>9</u> 778	6914 704 - <u>38</u> 666	406 <u>x 86</u> 2436 <u>3248</u> 34,916						
4B) 47) 5 1 6 5 3	5) Simplify $4 + 2(12 - 4) \div 2^2$	6) What are the prime factors of 30?						
$ \begin{array}{r} 1,099\\ 47)51653\\ \underline{47}\\ 46\\ \underline{00}\\ 465\\ \underline{423}\\ 423\\ \underline{423}\\ 0 \end{array} $	$4 + 2(12 - 4) \div 2^{2}$ $4 + 2(8) \div 4$ $4 + 16 \div 4$ $4 + 4$ 8	(2)(15) (2)(3)(5) 2, 3, and 5 are the prime factors of 30.						
	7) Which of the following is less than $\frac{4}{5}$?							
	A) $\frac{5}{5}$ B) $\frac{4}{6}$ C) $\frac{7}{8}$ D 5/5 = 1 which is larger to Sixths are less than fifths so) $\frac{7}{10}$ Answer <u>B</u> than 4/5. 4/6 is less than 4/5.						

8) Write an equivalent	9) $\frac{4}{5} + \frac{3}{5} - \frac{2}{5} =$	10) $\frac{4}{5} - \frac{2}{3} =$			
twelfths.	5 5 5	4 4×3 12			
	$=\frac{7}{5}-\frac{2}{5}$	$\frac{1}{5} = \frac{1}{5\times3} = \frac{12}{15}$			
$\frac{2}{3} = \frac{2 \times 4}{3 \times 4} = \frac{8}{12}$	$=\frac{5}{5}$	$-\frac{2}{3} = -\frac{2\times5}{3\times5} = -\frac{10}{15}$			
	a co constant den est es	2			
	Lizza (targe learning) and an	10			
11) $\frac{25}{3} \div \frac{5}{6} =$	12) $7\frac{3}{5} - 3\frac{2}{3} =$	13A) $12 \times 3\frac{2}{3} =$			
5 2 25 6	$7\frac{3}{5} = 7 + \frac{3 \times 3}{5 \times 3} = 7\frac{9}{15} = 6\frac{24}{15}$	4			
$\frac{-3}{3} \times \frac{-5}{5} = 10$	$-3\frac{2}{3} = 3 + \frac{2 \times 5}{3 \times 5} = -3\frac{10}{15} = -3\frac{10}{15}$	$\frac{12}{1} \times \frac{11}{3} = 44$			
Norther 60, 199 Politics	<u> </u>				
0 	15	Alashi da da da da			
	Note: Borrowing was required.	20112-056 201-016			
204-4-198	261 7×4 − 83 = × × ∧	- A + 67.5 - 67 286			
13B) $8 \div \frac{4}{5} =$	14) Which of the following	15) Round 237.42674 to the			
08.45	is smallest?	nearest thousandth.			
² 8 5	A) 106.192	237.427			
$\frac{1}{1} \times \frac{1}{4} = 10$	B) 106.089 C) 106.093				
Mahatiare na pamas Patos al 901	D) 107.090				
	Answer B				
16A) 63.43 + 8.4 + 122.9 + 12.015 =		16B) $6 15 \times 2.24 =$			
111					
63. 430	6.15 × 2.24				
8. 400		2460			
+ 12.015		1230			
206. 745		13.7760			
		6			
17) Write $\frac{4}{5}$ as a decimal.	18) Express traveling 240 miles in 4 hours as a rate.	19) Choose the correct symbol. (>, =, <)			
. 8		$\frac{5}{8} - \frac{7}{12}$			
5)4.0	$\frac{240 \text{ miles}}{4 \text{ hours}} = \frac{60 \text{ miles}}{100 \text{ hours}}$	5×12 ? 8×7			
$\frac{40}{0}$	HOUIS HOUIS HOUF CL	60 > 56			
is loss theorem. I	Decks are less than filter on 46	$\frac{5}{8} > \frac{7}{12}$			

		65	a second s		and the second sec	
20)	20) Solve for x. $\frac{4}{9} = \frac{x}{18}$ (4)(18) = 9 x	21A)	Write 5/8 as a percent. $\frac{5}{9} \times \frac{100\%}{1} = \frac{500\%}{9} = 62.5\%$	22A)	Write 57% as a fraction. $57\% \to (57)(\frac{1}{100}) = \frac{57}{100}$	
		8 1 8				
	72 = 9x	21B)	Write .8 as a percent.	22B)	Write 5% as a decimal.	
	<i>x</i> = 8		.8×100% = 80%		$5\% \rightarrow 5 \times .01 = .05$	
			<u>A</u> si A elònA . (i	2.2	VB) Serva før x.	
23A)	What is 9% of 60?	23B)	30 is 60% of what number?	23C)	7 is what percent of 35?	
	$\frac{9}{100} = \frac{x}{60}$ (9)(60) = 100 x 540 = 100 x x = 5.4	The second secon	$\frac{60}{100} = \frac{30}{x}$ 60x = (100) (30) 60x = 3,000 x = 50	2 -	$\frac{x}{100} = \frac{7}{35}$ 35x = (100) (7) 35x = 700 x = 20%	
24A)	By what percent is 60 larger than 45?	24B)	What is the result when 40 is increased by 30%?	25A)	(14) ² =	
	$\frac{x}{100} = \frac{60 - 45}{45}$		$\frac{30}{100} = \frac{x}{40}$	ASO F	(14)(14) = 196	
	$\frac{x}{100} = \frac{15}{45}$	1 A	(30)(40) = (100)x	ા કો ઊ	BA elensiti in OB sala 184	
	45x = (100)(15)		1,200 = 100x	0 730	I bna OSA astpriction arts (0	
. di C	45x = 1,500	1		ashia	Yes Manalati seV	
	$x = 33\frac{1}{3}\%$		40 + 12 = 52	00-815 08/08/0	included angle equal	
nce				e Serve	(i) A family drove for 7 ho	
25B)	$(.3)^2 =$	25C)	$\sqrt{81} = 9$	25D)	$\sqrt{.04} = .2$	
	(.3)(.3) = .09	Strut	Note: (9)(9) = 81		Note: (.2)(.2) = .04	
15%		-40			selim 188	