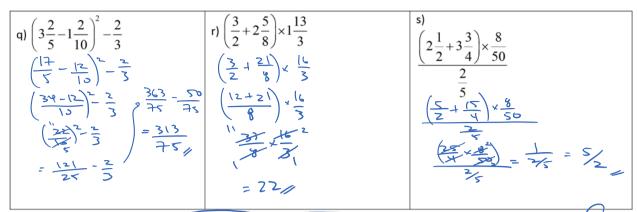
November 18, 2016 10:20 AM

	Name:	Date:			
	Math 8 Section 2.6 Combined Operations with Fractions 1. Evaluate the following. Simplify the expression into lowest terms:				
	a) $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	$\begin{array}{c c} & 15 \\ & 15 \\ & 14 \\ & 21 \\ & 36 \\ & 3 \end{array}$	c) $\frac{1}{3} - 2\frac{2}{3} \times 5\frac{1}{4}$	d) $\frac{35}{36} \div \frac{49}{48} - \frac{2}{7}$	
	23+12 1-3+1-16/	5-2 8-3 15 161	$\frac{1}{3} - \frac{14}{3} \times \frac{247}{4}$ $\frac{1}{3} - \frac{14}{1} = \frac{1}{3} - \frac{42}{3}$	20 - 27	
	6 6/	$\frac{215}{24} - \frac{16}{24} = \frac{-1}{24}$	= - <u>41</u> 3,,	$\frac{20}{21} - \frac{6}{21} = \frac{14}{21} = \frac{2}{3}$	
Rakija and Tina	e) $\frac{2}{3} + \frac{6}{7} \div \frac{18}{14} - \frac{1}{2}$	f) $\frac{16}{21} \times \frac{30}{24} \times \frac{27}{18} \div \frac{9}{14}$	$\begin{array}{c} 3.64 \times 27 \times 24 \times 48.24 \\ \text{g)} \frac{\cancel{64}}{\cancel{9}} \times \cancel{32} \times \cancel{45} \div \cancel{18} \cdot \cancel{9} \end{array}$	h) $\frac{9}{10} - \frac{3}{5} \times \frac{15^3}{2} + \frac{2}{5}$	
	16 x 18 3 = 3 = 5 = 5 = 5 = 5 = 5 = 5 = 5 = 5 =	$\frac{10}{7} \times \frac{44^2}{9} = \frac{20}{9}$	64 16 x 9 15 5	$\frac{q}{10} - \frac{q}{2} = \frac{45}{10}$ $\frac{-36}{10} + \frac{2}{5} = \frac{4}{10}$	
				$=-\frac{32}{10}=-\frac{12}{5}$	
	$\frac{7}{8} \times \frac{2}{7} + 2\frac{1}{4} \times \frac{8}{9}$	$ \underbrace{\frac{1}{2} - \frac{1}{3}}_{4} $	$(\frac{2}{3} - \frac{2}{5})$	L) $\frac{2}{3} \div \left(\frac{1}{21} + 1\frac{2}{3}\right)$	
	+ + + xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	(3-4) V	$\frac{\frac{10}{15} - \frac{6}{15}}{\frac{3}{2}} \Rightarrow \frac{\frac{4}{15}}{\frac{3}{2}}$	$= \frac{3}{5} \div \left(\frac{5!}{1} + \frac{5!}{32}\right)$ $= \frac{3}{5} \div \left(\frac{5!}{1} + \frac{3}{2}\right)$	
	1 + 2 = 9 + 1	$=\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{2} \times 1$	4 × 2 = 8 15 × 3 = 45/1	$= \frac{2}{3} : \left(\frac{36}{21}\right)$ $= \frac{2}{3} : \left(\frac{36}{21}\right)$ $= \frac{2}{3} : \left(\frac{36}{21}\right)$	
	m) $3\frac{2}{3} - \left(-1\frac{3}{5}\right) \times \left(\frac{10}{6}\right)$ $\frac{11}{3} - \left(\frac{-\cancel{8}}{5}\right) \times \frac{\cancel{10}}{\cancel{8}}$	n) $\frac{1}{2} - \frac{2}{3} \times \frac{6}{14} - \frac{2}{3}$	o) $\left(\frac{2}{3}\right)^2 \div \frac{8}{9} - \left(\frac{2}{3} + \frac{5}{6}\right)$ $\frac{2}{3} \times \frac{8}{5} - \left(\frac{4}{6} + \frac{5}{6}\right)$ $\frac{1}{3} - \frac{9}{1}$	p) $3\frac{1}{5} \times 6\frac{1}{4} \div 13\frac{1}{3}$ $\frac{16}{5} \times \frac{25}{4} \div \frac{40}{3}$	
	$\frac{11}{3} + \frac{8}{3} = \frac{19}{3}$	$\frac{2}{42} - \frac{1}{42} - \frac{28}{42}$	2 6	= 3 2//	
	3 9 9	= 21-12-28 = -19 42.	$= \frac{3}{6} - \frac{9}{6} = \frac{-6}{6} = \frac{-1}{6} $	2//	
			1/1		

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2. The L.A. Lakers play an 84 game season They lost $\frac{3}{7}$ of their games in the first half of the season and their games in the second half of the season. How many games did they lose?

> 84 Gants 18t HAG: Zind HAGE:

3. A computer company manufacturers and delivers computer chip. The chips are packaged in boxes that are cubes with edge length 25cm. The cost of the chips is \$16/cm³, and delivery costs \$80 per 25km. One customer orders 120 boxes of wood chips and she lives 750 km from the supplier. The

expression for the cost in dollars is: $\frac{80 \times 750}{25} + \frac{625 \div 100000 \times 16 \times 120}{100000 \times 16 \times 120}$ How much is the cost? 80 x(750), G25x(16x 120 4. Jacob scored 85%, 90%, and 74% on his first three tests. Then he scored 99%, 84% and 75% on his next three

tests. What is the difference in the average of the first three tests compared to the last three tests?

 $|^{ST} = \frac{85 + 90 + 74}{3}$ $= \frac{249}{3} = 83\%$ $= \frac{249}{3} = 83\%$ 5. Larry watched one television program for $\frac{1}{3}$ of an hour and then watched another program for 15 min. For

what fraction of an hour did Larry watch television? (3) Treation $\frac{35}{50} = \frac{7}{12}$ $\frac{35}{50} = \frac{7}{12}$ $\frac{35}{50} = \frac{7}{12}$ $\frac{35}{50} = \frac{7}{12}$

6. Keon baked a wild blueberry upside-down cobbler. Shawnie ate $\frac{1}{6}$ of the cobbler. Iris ate $\frac{1}{5}$ of what was

left. Chan ate $\frac{1}{4}$ of what was left after that. Cami ate $\frac{1}{3}$ of what was left after that. Demi ate $\frac{1}{2}$ of what was left after that. How much of the original cobbler remained?

