

Answer Column:

- a) $\frac{5y^2}{70}$
b) $\frac{2n}{5p}$
- a) $\frac{3}{2}$
b) $-\frac{17}{4}$
- $\frac{7y}{9}$
 $\frac{3a}{8}$
- $\frac{38}{5}$
 $-\frac{3}{4}$
- $\frac{7}{6}$
 $\frac{87}{40}$
- $\frac{31}{8}$
 $\frac{111}{20}$

Honors:
 $\frac{238}{21}$

<p>Practice Quiz 5.4, 6.1 - 6.2</p> <p>Directions: Solve the following problems in the boxes provided. Then, write answers in column. SHOW ALL WORK!</p>		<p>Name:</p> <p>Period:</p>	<p>#:</p>
<p>1. Simplify</p> <p>a) $\frac{30y^3}{42v^2}$ $\frac{5y^3}{7 \cdot 42 \cdot y^2} = \frac{5y^2}{7}$ (divide by 2)</p> <p>b) $\frac{2n}{510fp}$ $\frac{2n}{5p}$</p>	<p>2. Change to an Improper Fraction and Simplify</p> <p>a) $1\frac{10}{20} = 1\frac{1}{2} = 1 + \frac{1}{2} = \frac{3}{2}$</p> <p>b) $-4\frac{2}{8} = -4 + \frac{1}{4} = -4 + \frac{1}{4} = -\frac{17}{4}$</p>		
<p>3. Add & Simplify</p> <p>$\frac{3y}{9} + \frac{4y}{9} = \frac{7y}{9}$</p>	<p>4. Subtract & Simplify</p> <p>$\frac{7a}{8} - \frac{4a}{8} = \frac{3a}{8}$</p>		
<p>5. Add & Simplify</p> <p>change to improper $2\frac{1}{5} + 5\frac{2}{5} = \frac{11}{5} + \frac{27}{5} = \frac{38}{5}$</p>	<p>6. Subtract & Simplify</p> <p>$\frac{-1}{4} - \frac{2}{4} = \frac{-3}{4}$</p>		
<p>7. Add & Simplify</p> <p>$\frac{5}{6} + \frac{1 \cdot 2}{3 \cdot 2} = \frac{5}{6} + \frac{2}{6} = \frac{7}{6}$</p>	<p>8. Subtract & Simplify</p> <p>$55\frac{11}{8} - \left(-\frac{4}{5}\right) = 55\frac{11}{8} + \frac{4}{5} = \frac{11 \cdot 5 + 4 \cdot 8}{40} = \frac{87}{40}$</p>		
<p>9. Add & Simplify</p> <p>$2\frac{1}{8} + 1\frac{3}{4} = \frac{17}{8} + \frac{7 \cdot 2}{4 \cdot 2} = \frac{17}{8} + \frac{14}{8} = \frac{31}{8}$</p>	<p>10. Add & Simplify</p> <p>$76\frac{3}{4} + 1\frac{3}{4} = 76\frac{3}{4} + \frac{1 \cdot 3}{4} = \frac{19 \cdot 4 + 3}{4} = \frac{111}{4}$</p>		

Add & Simplify $\frac{3y}{7} + \frac{2y}{3} = \frac{14y}{21}$