

Fractions Operations Quiz – Math 7

Evaluate each expression. Write your final answer (in simplest form) on the line in the box. Show your work!!

<p>1. $\frac{3}{4} + \frac{3}{5}$</p> $\frac{3}{4} \cdot \frac{5}{5} + \frac{3}{5} \cdot \frac{4}{4}$ $\frac{3 \cdot 5}{4 \cdot 5} + \frac{3 \cdot 4}{5 \cdot 4}$ $\frac{15}{20} + \frac{12}{20} = \frac{27}{20} = 1\frac{7}{20}$	<p>2. $-6 + 2\frac{1}{3}$</p> $\frac{-6}{1} + \frac{1}{3}$ $\frac{-6 \cdot 3}{1 \cdot 3} + \frac{1}{3}$ $\frac{-18}{3} + \frac{1}{3} = \frac{-11}{3} = -3\frac{2}{3}$
<p>3. $\frac{4}{5} - \frac{1}{3}$</p> $\frac{4}{5} \cdot \frac{3}{3} - \frac{1}{3} \cdot \frac{5}{5}$ $\frac{4 \cdot 3}{5 \cdot 3} - \frac{1 \cdot 5}{3 \cdot 5}$ $\frac{12}{15} - \frac{5}{15} = \frac{7}{15}$	<p>4. $2\frac{1}{4} - 2$</p> $2\frac{1}{4} - \frac{2}{1}$ $\frac{2 \cdot 4}{1 \cdot 4} - \frac{2 \cdot 4}{1 \cdot 4}$ $\frac{8}{4} - \frac{8}{4} = \frac{0}{4} = 0$
<p>5. $-3 \cdot \frac{2}{5}$</p> $\frac{-3}{1} \cdot \frac{2}{5}$ $\frac{-6}{5} = -1\frac{1}{5}$	<p>6. $1\frac{2}{6} \cdot 2\frac{3}{5}$</p> $\frac{8}{6} \cdot \frac{13}{5}$ $\frac{104}{30} \div 2 = \frac{52}{15} = 3\frac{7}{15}$
<p>7. $\frac{5}{6} \div \frac{10}{3}$</p> $\frac{5}{6} \cdot \frac{3}{10}$ $\frac{15}{60} \div 15 = \frac{1}{4}$	<p>8. $-3\frac{1}{5} \div \frac{3}{4}$</p> $\frac{-16}{5} \div \frac{3}{4}$ $\frac{-16}{5} \cdot \frac{4}{3}$ $\frac{-64}{15} = -4\frac{4}{15}$

1) $\frac{27}{20} = 1\frac{7}{20}$
2) $\frac{-11}{3} = -3\frac{2}{3}$
3) $\frac{7}{15}$
4) $\frac{1}{4}$
5) $\frac{-6}{5} = -1\frac{1}{5}$
6) $\frac{52}{15} = 3\frac{7}{15}$
7) $\frac{1}{4}$
8) $\frac{-64}{15} = -4\frac{4}{15}$