

More Fractions #6

1. Put the following fractions in order from least to greatest (using the original fractions) by finding equivalent fractions with the same denominator. Show your work.

a) $\frac{2}{5} =$ $\frac{4}{15} =$ $\frac{1}{3} =$ b) $\frac{5}{6} =$ $\frac{3}{4} =$ $\frac{7}{8} =$

2. Find the equivalent fractions. (Hint: What you do to the top, you do to the bottom.)

a) $\frac{7}{8} = \frac{14}{\quad}$ b) $\frac{4}{9} = \frac{\quad}{32}$ c) $\frac{3}{\quad} = \frac{18}{42}$

d) $\frac{\quad}{15} = \frac{4}{30}$ *e) $\frac{12}{\quad} = \frac{15}{50}$

3. Compare with $>$, $<$, or $=$. Show your work with equivalent fractions.

a) $\frac{2}{11} \boxed{} \frac{1}{5}$
 $\text{---} \boxed{} \text{---}$

**b) $\frac{20}{35} \boxed{} \frac{27}{45}$
 $\text{---} \boxed{} \text{---}$

4. Solve. (Hint: Divide and then multiply.)

a) $\frac{5}{6}$ of 36 is _____

b) $\frac{2}{5}$ of 40 is _____

c) $\frac{11}{25}$ of 100 is _____

*d) $\frac{14}{21}$ of 20 is _____

5. Change into improper fractions.

6. Change into mixed numbers.

a) $5\frac{5}{9}$

b) $8\frac{2}{7}$

a) $\frac{28}{3}$

*b) $\frac{63}{36}$

7. Add or subtract. Show your work vertically.

Reduce to lowest terms. If your final answer has an improper fraction, change it.

a) $\frac{5}{6} + \frac{5}{8} =$

b) $\frac{4}{7} - \frac{3}{14} =$

c) $5\frac{7}{12} + 1\frac{17}{24} =$

d) $2\frac{1}{3} - 1\frac{7}{10} =$

8. Multiply. Reduce to lowest terms. Show your work when reducing.

a) $\frac{3}{11} \times \frac{5}{8} =$

b) $\frac{9}{12} \times \frac{8}{12} =$

c) $\frac{21}{28} \times \frac{16}{18} \times \frac{36}{48} =$

9. Divide. Show your work. Convert into a mixed number if necessary. Reduce to lowest terms

[Hints: Step 1 - The first fraction stays the same. Step 2 - Change the \div into a X. Step 3 - Flip the second fraction. Step 4 - Multiply!]

a) $\frac{3}{4} \div 5 =$

b) $\frac{9}{10} \div \frac{3}{2} =$

c) $\frac{27}{54} \div \frac{18}{63} =$