Fractions

About These Problems

Fractions are simply divisions and ratios of two numbers. The numerator is referred to as the number on top and the denominator is on the bottom. An improper fraction consists of a fraction where the numerator is greater than the denominator. The reciprocal of a fraction is the fraction inverted.

Question. Add these two fractions.

$$\frac{6}{9} + \frac{7}{10} = ?$$

1. $\dfrac{13}{19}$

2. $\dfrac{13}{90}$

3. $\dfrac{130}{91}$

4. $\dfrac{123}{90}$

Answer. 4: Cross multiply to make the denominators even. You cannot add fractions unless the denominators are even.

$$\frac{60}{90} + \frac{63}{90} = \frac{123}{90}$$

Question. Divide these two fractions.

$$\frac{6}{9} \div \frac{7}{10} = ?$$

5. $\dfrac{60}{63}$

6. $\dfrac{63}{90}$

7. $\dfrac{42}{90}$

8. $\dfrac{123}{90}$

Answer. 5: Dividing fractions is just multiplying the reciprocal of the second.

$$\frac{6}{9} * \frac{10}{7} = \frac{60}{63}$$