

LESSON 9

Multiplication Of Fractions (No Cancelling)

Fractions can be multiplied together by multiplying their numerators together and then multiplying their denominators together.

Example 1: Multiply

$$\frac{5}{7} \times \frac{4}{9}$$

$$\frac{5}{7} \times \frac{4}{9} = \frac{20}{63}$$

Example 2: Multiply

$$\frac{3}{5} \times \frac{7}{8}$$

$$\frac{3}{5} \times \frac{7}{8} = \frac{21}{40}$$

Example 3: Multiply

$$\frac{5}{7} \times \frac{1}{7}$$

$$\frac{5}{7} \times \frac{1}{7} = \frac{5}{49}$$

Multiply Each Pair Of Fractions

1. $\frac{5}{8} \times \frac{9}{11} = \frac{45}{88}$	11. $\frac{38}{49} \times \frac{5}{7} = \frac{190}{343}$	21. $\frac{12}{17} \times \frac{25}{29} = \frac{300}{493}$
2. $\frac{6}{7} \times \frac{18}{23} = \frac{108}{161}$	12. $\frac{14}{19} \times \frac{14}{19} = \frac{196}{361}$	22. $\frac{19}{21} \times \frac{22}{35} = \frac{418}{735}$
3. $\frac{5}{12} \times \frac{13}{17} = \frac{65}{204}$	13. $\frac{29}{38} \times \frac{1}{13} = \frac{29}{494}$	23. $\frac{16}{43} \times \frac{0}{59} = 0$
4. $\frac{16}{21} \times \frac{20}{33} = \frac{320}{693}$	14. $\frac{3}{20} \times \frac{51}{73} = \frac{153}{1460}$	24. $\frac{81}{85} \times \frac{11}{32} = \frac{891}{2720}$
5. $\frac{9}{16} \times \frac{11}{80} = \frac{99}{1280}$	15. $\frac{6}{11} \times \frac{60}{91} = \frac{360}{1001}$	25. $\frac{14}{19} \times \frac{16}{33} = \frac{224}{627}$
6. $\frac{13}{16} \times \frac{7}{22} = \frac{91}{352}$	16. $\frac{21}{23} \times \frac{21}{23} = \frac{441}{529}$	26. $\frac{31}{50} \times \frac{91}{95} = \frac{2821}{4750}$
7. $\frac{2}{27} \times \frac{5}{13} = \frac{10}{351}$	17. $\frac{7}{60} \times \frac{17}{60} = \frac{119}{3600}$	27. $\frac{29}{64} \times \frac{45}{71} = \frac{1305}{4544}$
8. $\frac{11}{32} \times \frac{11}{14} = \frac{121}{448}$	18. $\frac{12}{25} \times \frac{18}{25} = \frac{216}{625}$	28. $\frac{90}{91} \times \frac{22}{23} = \frac{1980}{2093}$
9. $\frac{6}{13} \times \frac{31}{55} = \frac{186}{715}$	19. $\frac{31}{50} \times \frac{11}{50} = \frac{341}{2500}$	29. $\frac{51}{64} \times \frac{31}{59} = \frac{1581}{3776}$
10. $\frac{2}{17} \times \frac{89}{95} = \frac{178}{1615}$	20. $\frac{2}{25} \times \frac{16}{75} = \frac{32}{1875}$	30. $\frac{49}{80} \times \frac{61}{90} = \frac{2989}{7200}$