

Find the product of the following fractions with common denominators.

- 1) $\frac{4}{5} \times \frac{4}{5} = \frac{16}{25}$ 2) $\frac{7}{15} \times \frac{7}{15} = \frac{49}{225}$ 3) $\frac{1}{4} \times \frac{1}{4} = \frac{1}{16}$ 4) $\frac{4}{12} \times \frac{10}{12} = \frac{5}{18}$
- 5) $\frac{6}{13} \times \frac{2}{13} = \frac{12}{169}$ 6) $\frac{2}{7} \times \frac{4}{7} = \frac{8}{49}$ 7) $\frac{4}{8} \times \frac{1}{8} = \frac{1}{16}$ 8) $\frac{1}{3} \times \frac{2}{3} = \frac{2}{9}$
- 9) $\frac{5}{7} \times \frac{2}{7} = \frac{10}{49}$ 10) $\frac{2}{6} \times \frac{1}{6} = \frac{1}{18}$ 11) $\frac{3}{8} \times \frac{2}{8} = \frac{3}{32}$ 12) $\frac{11}{13} \times \frac{4}{13} = \frac{44}{169}$
- 13) $\frac{2}{5} \times \frac{3}{5} = \frac{6}{25}$ 14) $\frac{4}{15} \times \frac{11}{15} = \frac{44}{225}$ 15) $\frac{6}{12} \times \frac{2}{12} = \frac{1}{12}$ 16) $\frac{3}{4} \times \frac{3}{4} = \frac{9}{16}$
- 17) $\frac{1}{4} \times \frac{3}{4} = \frac{3}{16}$ 18) $\frac{1}{3} \times \frac{1}{3} = \frac{1}{9}$ 19) $\frac{7}{13} \times \frac{11}{13} = \frac{77}{169}$ 20) $\frac{5}{6} \times \frac{2}{6} = \frac{5}{18}$

Find the product of the following fractions with different denominators.

- 21) $\frac{10}{13} \times \frac{1}{3} = \frac{10}{39}$ 22) $\frac{13}{14} \times \frac{3}{4} = \frac{39}{56}$ 23) $\frac{4}{5} \times \frac{5}{6} = \frac{2}{3}$ 24) $\frac{9}{15} \times \frac{6}{8} = \frac{9}{20}$
- 25) $\frac{6}{12} \times \frac{2}{6} = \frac{1}{6}$ 26) $\frac{4}{6} \times \frac{2}{3} = \frac{4}{9}$ 27) $\frac{3}{12} \times \frac{4}{6} = \frac{1}{6}$ 28) $\frac{11}{15} \times \frac{3}{4} = \frac{11}{20}$
- 29) $\frac{3}{10} \times \frac{2}{3} = \frac{1}{5}$ 30) $\frac{7}{13} \times \frac{1}{4} = \frac{7}{52}$ 31) $\frac{1}{3} \times \frac{5}{6} = \frac{5}{18}$ 32) $\frac{2}{13} \times \frac{1}{4} = \frac{1}{26}$
- 33) $\frac{7}{9} \times \frac{1}{3} = \frac{7}{27}$ 34) $\frac{4}{6} \times \frac{3}{5} = \frac{2}{5}$ 35) $\frac{6}{12} \times \frac{3}{5} = \frac{3}{10}$ 36) $\frac{1}{8} \times \frac{4}{6} = \frac{1}{12}$
- 37) $\frac{2}{10} \times \frac{2}{3} = \frac{2}{15}$ 38) $\frac{2}{3} \times \frac{7}{8} = \frac{7}{12}$ 39) $\frac{1}{5} \times \frac{2}{4} = \frac{1}{10}$ 40) $\frac{5}{15} \times \frac{4}{6} = \frac{2}{9}$

Find the quotient of the following fractions with common denominators

- 41) $\frac{9}{11} \div \frac{6}{11} = 1 \frac{1}{2}$ 42) $\frac{5}{10} \div \frac{7}{10} = \frac{5}{7}$ 43) $\frac{1}{3} \div \frac{1}{3} = 1$ 44) $\frac{4}{7} \div \frac{1}{7} = 4$
- 45) $\frac{4}{8} \div \frac{7}{8} = \frac{4}{7}$ 46) $\frac{12}{15} \div \frac{8}{15} = 1 \frac{1}{2}$ 47) $\frac{4}{5} \div \frac{4}{5} = 1$ 48) $\frac{5}{7} \div \frac{5}{7} = 1$

$$49) \frac{5}{6} \div \frac{2}{6} = \underline{2 \frac{1}{2}} \quad 50) \frac{3}{10} \div \frac{8}{10} = \underline{\frac{3}{8}} \quad 51) \frac{2}{4} \div \frac{1}{4} = \underline{2} \quad 52) \frac{1}{3} \div \frac{2}{3} = \underline{\frac{1}{2}}$$

$$53) \frac{6}{13} \div \frac{11}{13} = \underline{\frac{6}{11}} \quad 54) \frac{1}{11} \div \frac{7}{11} = \underline{\frac{1}{7}} \quad 55) \frac{6}{8} \div \frac{6}{8} = \underline{1} \quad 56) \frac{13}{15} \div \frac{4}{15} = \underline{3 \frac{1}{4}}$$

$$57) \frac{2}{5} \div \frac{3}{5} = \underline{\frac{2}{3}} \quad 58) \frac{5}{7} \div \frac{3}{7} = \underline{1 \frac{2}{3}} \quad 59) \frac{5}{6} \div \frac{5}{6} = \underline{1} \quad 60) \frac{3}{4} \div \frac{3}{4} = \underline{1}$$

Find the quotient of the following fractions with different denominators

$$61) \frac{8}{15} \div \frac{4}{7} = \underline{\frac{14}{15}} \quad 62) \frac{1}{7} \div \frac{4}{15} = \underline{\frac{15}{28}} \quad 63) \frac{9}{10} \div \frac{2}{3} = \underline{1 \frac{7}{20}} \quad 64) \frac{1}{6} \div \frac{1}{2} = \underline{\frac{1}{3}}$$

$$65) \frac{4}{5} \div \frac{3}{4} = \underline{1 \frac{1}{15}} \quad 66) \frac{2}{11} \div \frac{1}{5} = \underline{\frac{10}{11}} \quad 67) \frac{1}{3} \div \frac{5}{11} = \underline{\frac{11}{15}} \quad 68) \frac{1}{7} \div \frac{4}{8} = \underline{\frac{2}{7}}$$

$$69) \frac{3}{4} \div \frac{3}{6} = \underline{1 \frac{1}{2}} \quad 70) \frac{4}{10} \div \frac{5}{12} = \underline{\frac{24}{25}} \quad 71) \frac{1}{5} \div \frac{6}{9} = \underline{\frac{3}{10}} \quad 72) \frac{10}{11} \div \frac{3}{5} = \underline{1 \frac{17}{33}}$$

$$73) \frac{2}{3} \div \frac{2}{4} = \underline{1 \frac{1}{3}} \quad 74) \frac{9}{15} \div \frac{1}{12} = \underline{7 \frac{1}{5}} \quad 75) \frac{6}{10} \div \frac{11}{14} = \underline{\frac{42}{55}} \quad 76) \frac{2}{5} \div \frac{3}{7} = \underline{\frac{14}{15}}$$

$$77) \frac{4}{6} \div \frac{4}{6} = \underline{1} \quad 78) \frac{4}{11} \div \frac{2}{3} = \underline{\frac{6}{11}} \quad 79) \frac{2}{4} \div \frac{3}{12} = \underline{2} \quad 80) \frac{4}{15} \div \frac{4}{15} = \underline{1}$$