

DIVIDING FRACTIONS 1

Find the value of each expression in lowest terms.

a. $\frac{1}{5} \div \frac{2}{3} = \frac{1}{5} \times \frac{3}{2} = \frac{3}{10}$

b. $\frac{1}{3} \div \frac{3}{4} = \frac{1}{3} \times \frac{4}{3} = \frac{4}{9}$

c. $\frac{4}{9} \div \frac{1}{2} = \frac{4}{9} \times \frac{2}{1} = \frac{8}{9}$

d. $\frac{1}{3} \div \frac{7}{10} = \frac{1}{3} \times \frac{10}{7} = \frac{10}{21}$

e. $\frac{1}{2} \div \frac{2}{3} = \frac{1}{2} \times \frac{3}{2} = \frac{3}{4}$

f. $\frac{1}{5} \div \frac{2}{7} = \frac{1}{5} \times \frac{7}{2} = \frac{7}{10}$

g. $\frac{2}{9} \div \frac{3}{4} = \frac{2}{9} \times \frac{4}{3} = \frac{8}{27}$

h. $\frac{3}{7} \div \frac{6}{8} = \frac{3}{7} \times \frac{8}{6} = \frac{4}{7}$

i. $\frac{11}{5} \div \frac{20}{3} = \frac{11}{5} \times \frac{3}{20} = \frac{33}{100}$

j. $\frac{1}{8} \div \frac{11}{7} = \frac{1}{8} \times \frac{7}{11} = \frac{7}{88}$

k. $\frac{3}{5} \div \frac{15}{2} = \frac{3}{5} \times \frac{2}{15} = \frac{2}{25}$

l. $\frac{8}{7} \div \frac{2}{21} = \frac{8}{7} \times \frac{21}{2} = 24$

m. $20 \div \frac{5}{3} = 20 \times \frac{3}{5} = 12$

n. $\frac{12}{13} \div 6 = \frac{12}{13} \times \frac{1}{6} = \frac{2}{13}$

o. $\frac{12}{7} \div 4 = \frac{12}{7} \times \frac{1}{4} = \frac{3}{7}$

p. $1\frac{2}{3} \div \frac{5}{6} = \frac{8}{3} \times \frac{6}{5} = \frac{16}{5}$

q. $1\frac{1}{10} \div 2\frac{4}{7} = \frac{11}{10} \div \frac{18}{7} = \frac{11}{10} \times \frac{7}{18} = \frac{77}{180}$

r. $\frac{5}{9} \div 2\frac{1}{6} = \frac{5}{9} \div \frac{13}{6} = \frac{5}{9} \times \frac{6}{13} = \frac{10}{39}$

s. $\frac{19}{9} \div 6\frac{2}{3} = \frac{19}{9} \div \frac{20}{3} = \frac{19}{9} \times \frac{3}{20} = \frac{19}{60}$

t. $1\frac{4}{9} \div \frac{4}{9} = \frac{13}{9} \times \frac{9}{4} = \frac{13}{4}$

u. $\frac{13}{4} \div \frac{12}{5} = \frac{13}{4} \times \frac{5}{12} = \frac{65}{48}$

v. $1\frac{8}{9} \div 3\frac{1}{2} = \frac{14}{9} \div \frac{7}{2} = \frac{14}{9} \times \frac{2}{7} = \frac{4}{9}$

w. $2\frac{1}{12} \div 1\frac{5}{10} = \frac{25}{12} \div \frac{3}{2} = \frac{25}{12} \times \frac{2}{3} = \frac{25}{18}$

x. $3\frac{1}{3} \div 2\frac{2}{4} = \frac{10}{3} \div \frac{5}{2} = \frac{10}{3} \times \frac{2}{5} = \frac{4}{3}$