

Fractions

Topic 7: Division of fractions

QUESTION 1 Divide the following fractions.

a $\frac{2}{3} \div \frac{1}{3} = \frac{2 \times 3}{3 \times 1} = \frac{6}{3} = 2$ b $\frac{3}{5} \div \frac{2}{5} = \frac{3 \times 5}{5 \times 2} = \frac{15}{10}$ c $\frac{7}{20} \div \frac{8}{20} = 70/80$

d $\frac{11}{10} \div \frac{3}{10} = 55/15$ e $\frac{7}{10} \div \frac{1}{2} = 7/5$ f $\frac{3}{100} \div \frac{1}{20} = 30/50$

g $\frac{3}{4} \div \frac{1}{2} = 1 \frac{2}{4}$ h $\frac{3}{2} \div \frac{3}{4} = 1 \frac{3}{4}$ i $\frac{2}{9} \div \frac{9}{10} =$

j $\frac{5}{6} \div \frac{5}{12} =$ k $\frac{4}{5} \div \frac{4}{10} =$ l $\frac{5}{7} \div \frac{15}{28} =$

QUESTION 2 Work out the answers to the following as basic fractions.

a $\frac{3}{4} \div \frac{1}{10} =$ b $\frac{2}{5} \div \frac{3}{20} =$ c $\frac{5}{6} \div \frac{7}{24} =$

d $\frac{1}{2} \div \frac{1}{6} =$ e $\frac{7}{10} \div \frac{3}{28} =$ f $\frac{5}{10} \div \frac{3}{100} =$

g $\frac{5}{6} \div \frac{7}{18} =$ h $\frac{3}{4} \div \frac{5}{32} =$ i $\frac{2}{5} \div \frac{3}{25} =$

QUESTION 3 Evaluate the following.

a $8 \div \frac{4}{5} =$ b $16 \div \frac{2}{3} =$ c $\frac{8}{9} \div 4 =$

d $\frac{3}{5} \div 3 =$ e $\frac{7}{15} \div 14 =$ f $63 \div \frac{7}{9} =$

g $14 \div \frac{7}{2} =$ h $81 \div \frac{9}{16} =$ i $72 \div \frac{9}{4} =$