

# Fraction Division

Always Cross-Reduce

Name: \_\_\_\_\_ Date: \_\_\_\_\_

 Divide.

(1)  $\frac{1}{3} \div \frac{5}{12} =$

(2)  $\frac{2}{3} \div \frac{2}{9} =$

(3)  $\frac{1}{4} \div \frac{1}{2} =$

(4)  $\frac{1}{2} \div \frac{1}{4} =$

(5)  $\frac{1}{2} \div \frac{7}{10} =$

(6)  $\frac{1}{2} \div \frac{1}{12} =$

(7)  $\frac{5}{6} \div \frac{1}{4} =$

(8)  $\frac{1}{6} \div \frac{2}{3} =$

(9)  $\frac{1}{2} \div \frac{1}{10} =$

(10)  $\frac{1}{3} \div \frac{2}{3} =$

(11)  $\frac{7}{12} \div \frac{1}{3} =$

(12)  $\frac{1}{2} \div \frac{7}{12} =$

(13)  $\frac{13}{14} \div \frac{1}{2} =$

(14)  $\frac{3}{4} \div \frac{3}{10} =$

(15)  $\frac{1}{2} \div \frac{11}{14} =$

(16)  $\frac{7}{10} \div \frac{1}{2} =$

(17)  $\frac{1}{6} \div \frac{1}{3} =$

(18)  $\frac{2}{3} \div \frac{6}{13} =$

(19)  $\frac{3}{8} \div \frac{3}{4} =$

(20)  $\frac{2}{3} \div \frac{1}{9} =$

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## ANSWER KEY

 Divide.

$$(1) \frac{1}{3} \div \frac{5}{12} = \frac{1}{\cancel{3}_1} \times \frac{\cancel{12}^4}{5} = \frac{4}{5}$$

$$(2) \frac{2}{3} \div \frac{2}{9} = \frac{\cancel{2}_1}{3} \times \frac{\cancel{9}^3}{2} = \frac{3}{1} = 3$$

$$(3) \frac{1}{4} \div \frac{1}{2} = \frac{1}{\cancel{4}_2} \times \frac{\cancel{2}^1}{1} = \frac{1}{2}$$

$$(4) \frac{1}{2} \div \frac{1}{4} = \frac{1}{2} \times \frac{\cancel{4}^2}{1} = \frac{2}{1} = 2$$

$$(5) \frac{1}{2} \div \frac{7}{10} = \frac{1}{2} \times \frac{\cancel{10}^5}{7} = \frac{5}{7}$$

$$(6) \frac{1}{2} \div \frac{1}{12} = \frac{1}{2} \times \frac{\cancel{12}^6}{1} = \frac{6}{1} = 6$$

$$(7) \frac{5}{6} \div \frac{1}{4} = \frac{5}{\cancel{6}_3} \times \frac{\cancel{4}^2}{1} = \frac{10}{3} = 3\frac{1}{3}$$

$$(8) \frac{1}{6} \div \frac{2}{3} = \frac{1}{\cancel{6}_2} \times \frac{\cancel{3}^1}{2} = \frac{1}{4}$$

$$(9) \frac{1}{2} \div \frac{1}{10} = \frac{1}{2} \times \frac{\cancel{10}^5}{1} = \frac{5}{1} = 5$$

$$(10) \frac{1}{3} \div \frac{2}{3} = \frac{1}{\cancel{3}_1} \times \frac{\cancel{3}^1}{2} = \frac{1}{2}$$

$$(11) \frac{7}{12} \div \frac{1}{3} = \frac{7}{\cancel{12}_4} \times \frac{\cancel{3}^1}{1} = \frac{7}{4} = 1\frac{3}{4}$$

$$(12) \frac{1}{2} \div \frac{7}{12} = \frac{1}{2} \times \frac{\cancel{12}^6}{7} = \frac{6}{7}$$

$$(13) \frac{13}{14} \div \frac{1}{2} = \frac{13}{\cancel{14}_7} \times \frac{\cancel{2}^1}{1} = \frac{13}{7} = 1\frac{6}{7}$$

$$(14) \frac{3}{4} \div \frac{3}{10} = \frac{\cancel{3}_1}{4} \times \frac{\cancel{10}^5}{\cancel{3}_1} = \frac{5}{2} = 2\frac{1}{2}$$

$$(15) \frac{1}{2} \div \frac{11}{14} = \frac{1}{2} \times \frac{\cancel{14}^7}{11} = \frac{7}{11}$$

$$(16) \frac{7}{10} \div \frac{1}{2} = \frac{7}{\cancel{10}_5} \times \frac{\cancel{2}^1}{1} = \frac{7}{5} = 1\frac{2}{5}$$

$$(17) \frac{1}{6} \div \frac{1}{3} = \frac{1}{\cancel{6}_2} \times \frac{\cancel{3}^1}{1} = \frac{1}{2}$$

$$(18) \frac{2}{3} \div \frac{6}{13} = \frac{\cancel{2}_1}{3} \times \frac{13}{\cancel{6}_3} = \frac{13}{9} = 1\frac{4}{9}$$

$$(19) \frac{3}{8} \div \frac{3}{4} = \frac{\cancel{3}_1}{8} \times \frac{\cancel{4}^1}{\cancel{3}_1} = \frac{1}{2}$$

$$(20) \frac{2}{3} \div \frac{1}{9} = \frac{2}{\cancel{3}_1} \times \frac{\cancel{9}^3}{1} = \frac{6}{1} = 6$$