Fractions 12

Dividing Mixed Fractions

To divide we first changed the mixed numbers to IMPROPER FRACTIONS then COPY the first, FLIP the second and MULTIPLY.

Directions: After converting to improper fractions, copy the first fraction, flip the second and multiply straight across.

1. $2\frac{1}{2} \div 1\frac{1}{3}$ $\frac{4}{3}$ $= 1\frac{7}{8}$

$\frac{5}{2} \times \frac{3}{4} = \frac{15}{8}$

2. $1\frac{2}{3} \div \frac{1}{4} = 6\frac{2}{3}$

$\frac{5}{3} \times \frac{4}{1} = \frac{20}{3} = 6\frac{2}{3}$

3. $3\frac{2}{5} \div 1\frac{3}{7}$ $\frac{10}{7}$ $= 2\frac{19}{50}$

$\frac{17}{5} \times \frac{7}{10} = \frac{119}{50} =$

4. $2\frac{5}{6} \div 2\frac{1}{8}$ $\frac{17}{8}$ $= 1\frac{1}{3}$

$\frac{\cancel{17}}{3\cancel{6}} \times \frac{\cancel{8}^{4}}{\cancel{17}} = \frac{4}{3} =$

5. $4\frac{3}{7} \div 3\frac{9}{12}$ $\frac{45}{12}$ $= 1\frac{19}{105}$

$\frac{31}{7} \times \frac{12}{45} = \frac{372}{315} = 1\frac{57}{315}$

6. $3\frac{5}{8} \div 1\frac{6}{7}$ $\frac{13}{7}$ $= 1\frac{99}{104}$

$\frac{29}{8} \times \frac{7}{13} = \frac{203}{104}$

7. $2\frac{9}{11} \div 5\frac{2}{3}$ $\frac{17}{3}$ $= \frac{93}{187}$

$\frac{31}{11} \times \frac{3}{17} = \frac{93}{187}$

8. $\frac{11}{12} \div 1\frac{3}{4}$ $\frac{7}{7}$ $= \frac{11}{21}$

$\frac{\cancel{11}}{3\cancel{12}} \times \frac{\cancel{4}^{1}}{7} = \frac{11}{21}$

9. $1\frac{12}{13} \div \frac{7}{8} = 2\frac{18}{91}$

$\frac{25}{13} \times \frac{8}{7} = \frac{200}{91}$

10. $2\frac{7}{10} \div 1\frac{3}{5}$ $\frac{8}{5}$ $= 1\frac{11}{16}$

$\frac{27}{2\cancel{10}} \times \frac{\cancel{8}^{1}}{8} = \frac{27}{16}$

11. $4\frac{7}{9} \times 2\frac{3}{4} = 13\frac{5}{36}$

$\frac{43}{9} \times \frac{11}{4} = \frac{473}{36}$

12. $3\frac{5}{7} \times 2\frac{2}{5}$ $\frac{12}{5}$ $= 1\frac{23}{42}$

$\frac{\cancel{26}^{13}}{7} \times \frac{5}{\cancel{12}6} = \frac{65}{42} =$

Play "Penguin Jump" Multiplication at www.arcademics.com

Fractions

Homework

Dividing Mixed Fractions

To divide we first changed the mixed numbers to IMPROPER FRACTIONS then COPY the first, FLIP the second and MULTIPLY.

Directions: After converting to improper fractions, copy the first fraction, flip the second and multiply straight across.

1. $2\frac{6}{7} \div 1\frac{1}{11} = 2\frac{13}{21}$

$\frac{20}{7} \times \frac{11}{12_3} = \frac{55}{21} = 2\frac{11}{20}$

2. $2\frac{2}{3} \div 2\frac{1}{5}\ \frac{11}{5} = 1\frac{7}{33}$

$\frac{8}{3} \times \frac{5}{11} = \frac{40}{33} = 1\frac{7}{33}$

3. $3\frac{2}{5} \div 1\frac{2}{6}\ \frac{8}{6} = 2\frac{11}{20}$

$\frac{17}{5} \times \frac{6}{8} = \frac{102}{40} = \frac{51}{20} = 2\frac{1}{20}$

4. $4\frac{2}{7} \div 2\frac{3}{8}\ \frac{19}{8} = 1\frac{107}{133}$

$\frac{30}{7} \times \frac{8}{19} = \frac{240}{133}$

5. $2\frac{8}{9} \div 1\frac{2}{5}\ \frac{7}{5} = 2\frac{4}{63}$

$\frac{26}{9} \times \frac{5}{7} = \frac{130}{63}$

6. $1\frac{11}{13} \div 1\frac{3}{4}\ \frac{7}{4} = 1\frac{5}{91}$

$\frac{24}{13} \times \frac{4}{7} = \frac{96}{91}$

7. $1\frac{1}{10} \div 2\frac{3}{10}\ \frac{23}{10} = \frac{11}{23}$

$\frac{11}{10} \times \frac{10}{23}$

8. $2\frac{6}{8} \div 1\frac{5}{8}\ \frac{13}{8} = 1\frac{9}{13}$

$\frac{22}{8} \times \frac{8}{13}\ \frac{22}{13} = 1\frac{9}{13}$

9. $3\frac{5}{12} \div 1\frac{2}{7}\ \frac{9}{7} = 2\frac{71}{108}$

$\frac{41}{12} \times \frac{7}{9} = \frac{287}{108}$

10. $3\frac{2}{3} \div 2\frac{1}{7} = 1\frac{32}{45} = 1\frac{32}{45}$

$\frac{11}{3} \times \frac{7}{15} = \frac{77}{45}$

11. $2\frac{4}{6} \div 1\frac{2}{11}\ \frac{13}{11} = 2\frac{10}{39}$

$8\frac{16}{36} \times \frac{11}{13} = \frac{88}{39} =$

12. $2\frac{7}{9} \div 3\frac{1}{6}\ \frac{19}{6} = \frac{50}{57}$

$\frac{25}{3} \times \frac{6^2}{19}\ \frac{50}{57}$

Play "Penguin Jump" Multiplication at www.arcademics.com