

Multiplying Rational Numbers
fractions

Bikini Law

$$\frac{1}{5} \cdot \frac{1}{2} = \frac{1}{10}$$

Int.
↓
Rational

$$\frac{1}{\cancel{5} \cancel{3}}$$

.

$$\frac{\cancel{10}^2}{\cancel{2} \cancel{1} 7}$$

=

$$\frac{2}{7}$$

$$\frac{30}{105}$$

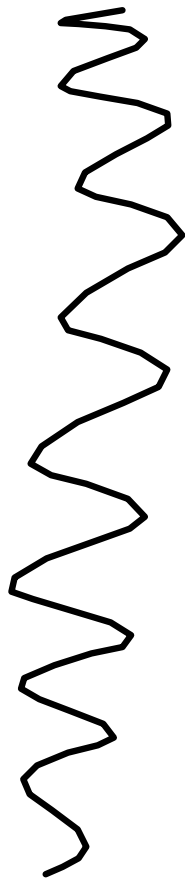
$$\frac{5}{\cancel{18} \frac{40}{56}} \cdot \frac{\cancel{17}}{9} = \frac{5}{9}$$

$\frac{280}{504} = \frac{5}{9}$

$$\frac{\cancel{12} \cancel{14}}{\cancel{16}} \cdot \frac{\cancel{8}}{\cancel{7}} = 1$$

$$\frac{2}{3} \cdot \frac{3}{1}$$

$$\frac{9}{14}$$



$$\frac{4}{7} \cdot \frac{5}{7}$$

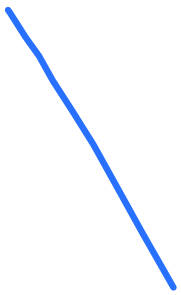
$$\frac{20}{49}$$

$$\frac{\cancel{10}}{\cancel{4}}$$

$$\frac{\cancel{15}}{\cancel{30}}$$

$$\frac{\cancel{6^3}}{\cancel{6}}$$

$$\frac{3}{7}$$



Basic Worksheet for 160 – 163

Multiply. Give each product in simplest form.

$$1. \frac{3}{4} \times \frac{5}{6} = \frac{5}{8}$$

$$2. \frac{2}{9} \times \frac{6}{7} = \frac{4}{7}$$

$$3. \frac{7}{10} \times \frac{6}{7} = \frac{3}{5}$$

$$4. \frac{1}{9} \times \frac{6}{8} = \frac{1}{6}$$

$$5. \frac{5}{8} \times \frac{2}{3} = \frac{5}{12}$$

$$6. \frac{4}{5} \times \frac{5}{4} = 1$$

$$7. \frac{3}{4} \times \frac{6}{7} = \frac{9}{14}$$

$$8. \frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$$

$$9. \frac{1}{2} \times \frac{2}{5} = \frac{1}{5}$$

$$10. \frac{1}{9} \times \frac{6}{8} = \frac{1}{12}$$

$$11. \frac{7}{8} \times \frac{0}{7} = 0$$

$$12. \frac{4}{5} \times \frac{6}{8} = \frac{6}{5}$$

$$13. \frac{4}{5} \times \frac{2}{3}$$

$$\frac{8}{15}$$

$$16. \frac{6}{9} \times \frac{4}{6}$$

$$\frac{4}{5}$$

$$14. \frac{3}{4} \times \frac{3}{4}$$

$$\frac{9}{16}$$

$$17. \frac{1}{3} \times \frac{1}{3}$$

$$\frac{1}{9}$$

$$15. \frac{9}{4} \times \frac{3}{8}$$

$$\frac{27}{32}$$



$$18. \frac{1}{2} \times \frac{7}{4}$$

$$\frac{7}{8}$$

$$1 \frac{3}{4}$$

$$1. \frac{1}{2} \times \frac{7}{9} = \frac{7}{18}$$

$$2. \frac{4}{9} \times \frac{3}{8} = \frac{1}{6}$$

$$3. \frac{1}{8} \times \frac{2}{3} = \frac{1}{12}$$

$$4. \frac{2}{9} \times \frac{3}{11} = \frac{2}{33}$$

$$5. \frac{2}{11} \times \frac{3}{7} = \frac{6}{77}$$

$$6. \frac{5}{8} \times \frac{1}{9} = \frac{5}{72}$$

$$7. \frac{3}{5} \times \frac{3}{4} =$$

$$8. \frac{3}{4} \times \frac{1}{12} =$$

$$9. \frac{7}{8} \times \frac{6}{5} =$$

#7-27

$$10. \frac{3}{8} \times \frac{2}{3} =$$

$$11. \frac{7}{12} \times \frac{5}{14} =$$

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

$$13. \frac{9}{10} \times \frac{5}{9} =$$

$$14. \frac{11}{12} \times \frac{9}{11} =$$

$$15. \frac{5}{9} \times \frac{9}{20} =$$

$$16. -\frac{2}{5} \times -\frac{1}{4} =$$

$$17. -\frac{12}{18} \times -\frac{3}{4} =$$

$$18. \frac{11}{12} \times \frac{24}{33} =$$

$$19. \frac{7}{9} \times \frac{36}{63} =$$

$$20. -\frac{5}{6} \times \frac{6}{10} =$$

$$21. \frac{5}{6} \times \frac{18}{23} =$$

$$22. -\frac{1}{2} \times \frac{14}{15} =$$

$$23. \frac{3}{8} \times -\frac{5}{6} =$$

$$24. -\frac{8}{9} \times -\frac{5}{16} =$$

$$25. \frac{63}{81} \times \frac{9}{7} =$$

$$26. \frac{20}{21} \times \frac{3}{4} =$$

$$27. \frac{24}{30} \times \frac{5}{6} =$$

$$9. \frac{2}{3} \times 1\frac{4}{5} =$$

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

$$11. \frac{3}{4} \times 1\frac{1}{2} =$$

$$12. 4\frac{1}{3} \times 2\frac{1}{7} =$$

$$13. 5\frac{3}{6} \times 2\frac{3}{6} =$$

$$14. 6\frac{2}{7} \times 2\frac{1}{10} =$$

$$15. \ 3\frac{1}{3} \times 2\frac{1}{4} =$$

$$16. \ 5\frac{5}{6} \times \frac{1}{14} =$$

$$17. \ 4\frac{3}{4} \times 2\frac{2}{3} =$$

$$18. 1\frac{7}{9} \times 4\frac{1}{2} \times 2 =$$

$$19. 1\frac{1}{2} \times 2\frac{2}{5} \times 3 =$$

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

$$21. \left(\frac{2}{3} - \frac{1}{4} \right) \times 3\frac{1}{3} =$$

$$22. \left(1\frac{2}{3} + \frac{3}{4} \right) - 1\frac{1}{8} =$$

$$23. \left(2\frac{1}{5} \times \frac{5}{11} \right) + 5\frac{7}{12} =$$