

Multiplying Rational Numbers Fractions

Bikini Law

①

$$\frac{1}{\cancel{2}} \cdot \frac{1}{\cancel{4}_2}$$

•

$$\frac{1}{\cancel{4}_2}$$

$$\frac{1}{10}$$



②

$$\frac{1}{15} \cdot \frac{2}{7} = \frac{2}{105}$$

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

③

$$\frac{4}{10} \cdot \frac{1}{9} = \frac{4}{90}$$

~~28~~
~~28~~
~~28~~

$$\frac{5}{9}$$



$$\frac{280}{505}$$

$$\frac{3}{2} \cdot \frac{3}{7} = \frac{9}{14}$$

$$\frac{4}{5} \cdot \frac{3}{5} = \frac{12}{25}$$

$$\frac{1}{\cancel{10}} = \frac{1}{\cancel{14}}$$

$$\frac{1}{\cancel{15}} = \frac{1}{\cancel{20}}$$

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$$\frac{1}{\cancel{20}}$$

Basic Worksheet for 160 – 163

Multiply. Give each product in simplest form.

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

$$2. \frac{2}{9} \times \frac{6}{7} = \frac{4}{21}$$

$$3. \frac{7}{10} \times \frac{6}{5} = \frac{21}{25}$$

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

$$5. \frac{5}{8} \times \frac{3}{4} = \frac{15}{32}$$

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

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

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

$$9. \frac{1}{6} \times \frac{2}{5} = \frac{1}{15}$$

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

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

$$12. \frac{4}{3} \times \frac{3}{8} = \frac{1}{2}$$

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

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

$$16. \frac{4}{9} \times \frac{5}{10}$$

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

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

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

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

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

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

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

$$18. \frac{5}{2} \times \frac{7}{10}$$

$$\frac{7}{4} = 1 \frac{3}{4}$$

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

#1-27

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

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

$$4. \frac{2}{6} \times \frac{-9}{11} =$$

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

$$6. \frac{-5}{8} \times \frac{4}{9} =$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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