

Name

Date



MULTIPLYING FRACTIONS SHEET 5

Multiply these fractions together. Your answer should be given as a proper fraction or mixed number in simplest form.

$$1) \frac{3}{7} \times \frac{5}{3} \times \frac{8}{5} = \frac{3 \times 5 \times 8}{7 \times 3 \times 5} =$$

$$2) \frac{5}{6} \times \frac{1}{4} \times \frac{7}{5} =$$

$$3) \frac{11}{3} \times \frac{3}{7} \times 5 =$$

$$4) \frac{7}{12} \times \frac{5}{9} \times \frac{12}{5} =$$

$$5) \frac{8}{9} \times \frac{7}{5} =$$

$$6) \frac{8}{7} \times \frac{2}{3} \times \frac{7}{2} =$$

$$7) 3 \times \frac{4}{7} \times \frac{7}{3} =$$

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

$$9) \frac{5}{8} \times \frac{4}{3} \times \frac{8}{7} =$$

$$10) \frac{11}{5} \times \frac{9}{8} \times \frac{8}{11} =$$



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MULTIPLYING FRACTIONS SHEET 5 ANSWERS

$$1) \frac{3}{7} \times \frac{5}{3} \times \frac{8}{5} = \frac{\cancel{3} \times 5 \times 8}{7 \times \cancel{3} \times \cancel{5}} = \frac{8}{7} = 1 \frac{1}{7}$$

$$2) \frac{5}{6} \times \frac{1}{4} \times \frac{7}{5} = \frac{5 \times 1 \times 7}{\cancel{6} \times 4 \times \cancel{5}} = \frac{7}{24}$$

$$3) \frac{11}{3} \times \frac{3}{7} \times 5 = \frac{11 \times 3 \times 5}{3 \times 7} = \frac{55}{7} = 7 \frac{6}{7}$$

$$4) \frac{7}{12} \times \frac{5}{9} \times \frac{12}{5} = \frac{7 \times \cancel{5} \times 12}{12 \times 9 \times \cancel{5}} = \frac{7}{9}$$

$$5) \frac{8}{9} \times \frac{7}{5} = \frac{8 \times 7}{9 \times 5} = \frac{56}{45} = 1 \frac{11}{45}$$

$$6) \frac{8}{7} \times \frac{2}{3} \times \frac{7}{2} = \frac{8 \times \cancel{2} \times 7}{7 \times 3 \times \cancel{2}} = \frac{8}{3} = 2 \frac{2}{3}$$

$$7) 3 \times \frac{4}{7} \times \frac{7}{3} = \frac{\cancel{3} \times 4 \times 7}{7 \times \cancel{3}} = \frac{4}{1} = 4$$

$$8) \frac{9}{5} \times \frac{6}{7} = \frac{9 \times 6}{5 \times 7} = \frac{54}{35} = 1 \frac{19}{35}$$

$$9) \frac{5}{8} \times \frac{4}{3} \times \frac{8}{7} = \frac{5 \times 4 \times \cancel{8}}{\cancel{8} \times 3 \times 7} = \frac{20}{21}$$

$$10) \frac{11}{5} \times \frac{9}{8} \times \frac{8}{11} = \frac{\cancel{11} \times 9 \times \cancel{8}}{5 \times 8 \times \cancel{11}} = \frac{9}{5} = 1 \frac{4}{5}$$

