



DIVIDING FRACTIONS SHEET 1

To divide two fractions, follow these two simple steps:

- invert the divisor fraction (swap the numerator and denominator of the second fraction) and change the division operator to a multiplication operator.
- multiply the two fractions together.



Example $\frac{3}{4} \div \frac{2}{7} = \frac{3}{4} \times \frac{7}{2} = \frac{21}{8}$

Work out these fraction divisions. Your answer can be left as an improper fraction and does not need to be in simplest form.

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

3) $\frac{1}{5} \div \frac{1}{3} = \frac{1}{5} \times \frac{3}{1} = \frac{3}{5}$ 4) $\frac{2}{5} \div \frac{2}{3} = \frac{2}{5} \times \frac{3}{2} = \frac{3}{5}$

5) $\frac{3}{8} \div \frac{2}{5} = \frac{3}{8} \times \frac{5}{2} = \frac{15}{16}$ 6) $\frac{1}{7} \div \frac{4}{9} = \frac{1}{7} \times \frac{9}{4} = \frac{9}{28}$

7) $\frac{3}{8} \div \frac{2}{9} = \frac{3}{8} \times \frac{9}{2} = 1\frac{11}{16}$ 8) $\frac{4}{5} \div \frac{1}{7} = \frac{4}{5} \times \frac{7}{1} = 5\frac{3}{5}$

9) $\frac{4}{9} \div \frac{3}{10} = \frac{4}{9} \times \frac{10}{3} = 1\frac{13}{27}$ 10) $\frac{5}{12} \div \frac{3}{7} = \frac{5}{12} \times \frac{7}{3} = \frac{35}{36}$

11) $\frac{2}{7} \div \frac{6}{11} = \frac{2}{7} \times \frac{11}{6} = \frac{11}{21}$ 12) $\frac{4}{5} \div \frac{7}{10} = \frac{4}{5} \times \frac{10}{7} = 1\frac{1}{7}$



Name

Date



MULTIPLYING FRACTIONS SHEET 2

Multiply these fractions together, giving your answer as a mixed number where appropriate. Your answer does not have to be in simplest form.

Examples $\frac{8}{3} \times \frac{4}{5} = \frac{32}{15} = 2 \frac{2}{15}$ $\frac{4}{7} \times 5 = \frac{20}{7} = 2 \frac{6}{7}$

1) $\frac{1}{3} \times 8 = 2 \frac{2}{3}$

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

3) $\frac{5}{2} \times \frac{3}{4} = 1 \frac{7}{8}$

4) $\frac{4}{7} \times 6 = 3 \frac{3}{7}$

5) $\frac{5}{8} \times \frac{1}{4} = \frac{5}{32}$

6) $\frac{2}{9} \times 7 = 1 \frac{5}{9}$

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

8) $6 \times \frac{3}{11} = 1 \frac{12}{11}$

9) $\frac{5}{7} \times \frac{3}{4} = \frac{15}{28}$

10) $\frac{11}{8} \times \frac{2}{3} = \frac{11}{12}$

11) $\frac{6}{15} \times \frac{4}{3} = 1 \frac{19}{45}$

12) $11 \times \frac{4}{5} = 8 \frac{4}{5}$

13) $\frac{10}{7} \times \frac{3}{8} = \frac{15}{28}$

14) $\frac{2}{9} \times \frac{7}{3} = \frac{14}{27}$

15) $\frac{12}{5} \times \frac{3}{11} = \frac{36}{55}$

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

17) $\frac{2}{15} \times \frac{9}{4} = \frac{3}{10}$

18) $9 \times \frac{7}{11} = 5 \frac{8}{11}$

19) $\frac{3}{10} \times \frac{9}{5} = \frac{27}{50}$

20) $\frac{6}{13} \times 12 = 5 \frac{7}{13}$

21) $\frac{8}{3} \times \frac{4}{9} = 1 \frac{5}{27}$

22) $\frac{12}{5} \times \frac{2}{9} = \frac{8}{15}$

23) $\frac{8}{3} \times \frac{4}{11} = \frac{22}{33}$

24) $\frac{6}{5} \times \frac{8}{7} = 1 \frac{13}{35}$



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