Name Date

MULTIPLYING FRACTIONS SHEET 1

- To multiply two fractions together, write the product as a single fraction. Next cancel any common factors and finally multiply the two numerators and the two denominators.
- To multiply a fraction by a whole number, simply multiply the numerator by the integer.

Cancel the common factor 5

Examples $\frac{3}{5} \times \frac{5}{7} = \frac{3\times\cancel{5}}{\cancel{5}\times 7} = \frac{3}{7}$ $\qquad \frac{2}{5} \times 6 = \frac{2\times 6}{5} = \frac{12}{5}$

Multiply these fractions together. Your answer can be left as an improper fraction and does not need to be in simplest form. Remember to cancel common factors.

1) $\frac{2}{3} \times \frac{1}{2} = \frac{\cancel{2}\times 1}{3\times\cancel{2}} = \frac{\quad}{3}$

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

3) $\frac{1}{2} \times \frac{2}{7} = \frac{1\times 2}{2\times 7} = \frac{\quad}{7}$

4) $\frac{2}{3} \times 4 = \frac{2\times 4}{3} = \frac{\quad}{3}$

5) $\frac{1}{6} \times \frac{3}{4} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

6) $\frac{3}{4} \times 5 = \frac{\quad}{4} = \frac{\quad}{4}$

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

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

9) $\frac{4}{9} \times \frac{1}{4} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

10) $\frac{1}{8} \times \frac{3}{4} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

11) $\frac{4}{7} \times \frac{5}{6} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

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

13) $\frac{2}{7} \times \frac{7}{9} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

14) $\frac{5}{8} \times 6 = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

Name Date

MULTIPLYING FRACTIONS SHEET 1 ANSWERS

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

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

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

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

5) $\frac{1}{6} \times \frac{3}{4} = \frac{1\times 3}{6\times 4} = \frac{3}{24}$

6) $\frac{3}{4} \times 5 = \frac{3\times 5}{4} = \frac{15}{4}$

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

8) $7 \times \frac{4}{9} = \frac{7\times 4}{9} = \frac{28}{9}$

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

10) $\frac{1}{8} \times \frac{3}{4} = \frac{1\times 3}{8\times 4} = \frac{3}{32}$

11) $\frac{4}{7} \times \frac{5}{6} = \frac{4\times 5}{7\times 6} = \frac{20}{42}$

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

13) $\frac{2}{7} \times \frac{7}{9} = \frac{2\times 7}{7\times 9} = \frac{2}{9}$

14) $\frac{5}{8} \times 6 = \frac{5\times 6}{8} = \frac{30}{8}$