Name: _____ Date: _____

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Fraction Multiplication Worksheet

Multiply the fractions. Write your answer in simplest form.

(Grade 4)

1. Multiply the fractions.

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

b) $\frac{2}{3} \times \frac{5}{6} =$ _____

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

d) $\frac{4}{9} \times \frac{2}{3} =$ _____

e) $\frac{5}{8} \times \frac{3}{4} =$ _____

f) $\frac{7}{10} \times \frac{2}{5} =$ _____

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

h) $\frac{5}{6} \times \frac{1}{4} =$ _____

i) $\frac{8}{9} \times \frac{3}{5} =$ _____

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

2. Multiply and simplify.

a) $\frac{2}{3} \times \frac{3}{5} =$ _____

b) $\frac{4}{5} \times \frac{10}{12} =$ _____

c) $\frac{6}{7} \times \frac{14}{15} =$ _____

d) $\frac{8}{9} \times \frac{27}{32} =$ _____

e) $\frac{5}{6} \times \frac{12}{25} =$ _____

f) $\frac{7}{8} \times \frac{16}{21} =$ _____

g) $\frac{9}{10} \times \frac{5}{18} =$ _____

h) $\frac{4}{11} \times \frac{33}{16} =$ _____

i) $\frac{15}{22} \times \frac{11}{20} =$ _____

j) $\frac{6}{13} \times \frac{26}{9} =$ _____

3. Multiply a fraction by a whole number.

a) $3 \times \frac{1}{4} =$ _____

b) $5 \times \frac{2}{7} =$ _____

c) $6 \times \frac{3}{8} =$ _____

d) $4 \times \frac{5}{9} =$ _____

e) $7 \times \frac{2}{5} =$ _____

f) $9 \times \frac{1}{6} =$ _____

g) $8 \times \frac{3}{10} =$ _____

h) $5 \times \frac{4}{11} =$ _____

i) $12 \times \frac{7}{15} =$ _____

j) $9 \times \frac{5}{18} =$ _____

4. Word problems.

a) A recipe uses $\frac{2}{3}$ cup of flour for one cake. How much flour is needed for 3 cakes?

_____

b) A piece of ribbon is $\frac{5}{8}$ m long. What is the total length of 4 such ribbons?

_____

c) A box contains $\frac{3}{5}$ kg of apples. What is the total weight of 6 such boxes?

_____

d) A bottle has $\frac{4}{7}$ litre of juice. How much juice is there in 5 such bottles?

_____

e) A student read $\frac{2}{9}$ of a book in one day. How much of the book did he read in 4 days?

_____

5. Fill in the missing fraction.

a) $\frac{1}{3} \times \square = \frac{2}{9}$

b) $\frac{4}{5} \times \square = \frac{12}{25}$

c) $\square \times \frac{3}{7} = \frac{9}{35}$

d) $\frac{5}{8} \times \square = \frac{15}{32}$

e) $\square \times \frac{2}{9} = \frac{8}{45}$

f) $\frac{3}{4} \times \square = \frac{9}{20}$

g) $\square \times \frac{5}{6} = \frac{10}{24}$

h) $\frac{7}{10} \times \square = \frac{21}{40}$

i) $\square \times \frac{4}{11} = \frac{28}{55}$

j) $\frac{6}{13} \times \square = \frac{18}{65}$

6. Compare the products. Use >, < or =.

a) $\frac{1}{2} \times \frac{3}{4} \square \frac{1}{4} \times \frac{3}{2}$

b) $\frac{2}{5} \times \frac{7}{8} \square \frac{7}{8} \times \frac{2}{5}$

c) $\frac{3}{6} \times \frac{4}{5} \square \frac{1}{2} \times \frac{4}{5}$

d) $\frac{5}{9} \times \frac{3}{4} \square \frac{5}{9} \times \frac{2}{3}$

e) $\frac{7}{10} \times \frac{3}{5} \square \frac{7}{10} \times \frac{1}{2}$

f) $4 \times \frac{2}{3} \square 3 \times \frac{2}{3}$

g) $6 \times \frac{1}{4} \square 6 \times \frac{1}{8}$

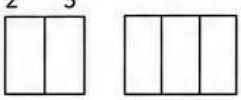
h) $\frac{9}{11} \times 2 \square \frac{2}{11} \times 9$

i) $\frac{3}{5} \times \frac{7}{6} \square \frac{7}{6} \times \frac{3}{5}$

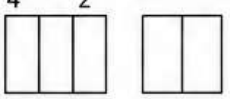
j) $\frac{5}{12} \times 4 \square \frac{5}{12} \times 3$

7. Shade the diagrams and find the product.

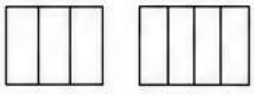
a) $\frac{1}{2} \times \frac{2}{3} =$ _____



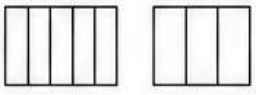
b) $\frac{3}{4} \times \frac{1}{2} =$ _____



c) $\frac{2}{3} \times \frac{3}{4} =$ _____



d) $\frac{4}{5} \times \frac{2}{3} =$ _____



8. Find the product and simplify, if possible.

a) $7 \times \frac{3}{14} =$ _____

b) $\frac{6}{11} \times 11 =$ _____

c) $8 \times \frac{5}{12} =$ _____

d) $\frac{9}{13} \times 26 =$ _____

e) $14 \times \frac{3}{7} =$ _____

f) $\frac{4}{9} \times 18 =$ _____

g) $15 \times \frac{2}{5} =$ _____

h) $\frac{25}{36} \times 12 =$ _____

i) $10 \times \frac{7}{20} =$ _____

j) $\frac{6}{15} \times 25 =$ _____