Name: _____ prtutorial.in Date: _____

Fraction Multiplication Worksheet

Multiply the fractions. Write your answer in the simplest form.

(Grade 4)

1. Multiply the fractions. (Same denominators)

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

b) $\frac{3}{5} \times \frac{1}{5} =$ ☐

c) $\frac{5}{8} \times \frac{2}{8} =$ ☐

d) $\frac{7}{10} \times \frac{3}{10} =$ ☐

e) $\frac{4}{9} \times \frac{5}{9} =$ ☐

f) $\frac{2}{7} \times \frac{6}{7} =$ ☐

g) $\frac{3}{12} \times \frac{4}{12} =$ ☐

h) $\frac{5}{11} \times \frac{7}{11} =$ ☐

i) $\frac{6}{13} \times \frac{2}{13} =$ ☐

j) $\frac{9}{15} \times \frac{5}{15} =$ ☐

2. Multiply the fractions. (Different denominators)

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

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

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

d) $\frac{5}{8} \times \frac{3}{10} =$ ☐

e) $\frac{7}{9} \times \frac{2}{3} =$ ☐

f) $\frac{4}{5} \times \frac{1}{6} =$ ☐

g) $\frac{3}{8} \times \frac{5}{12} =$ ☐

h) $\frac{6}{11} \times \frac{7}{8} =$ ☐

i) $\frac{9}{14} \times \frac{2}{5} =$ ☐

j) $\frac{5}{16} \times \frac{3}{4} =$ ☐

3. Multiply a fraction by a whole number.

a) $\frac{2}{5} \times 3 =$ ☐

b) $\frac{5}{6} \times 4 =$ ☐

c) $\frac{7}{8} \times 6 =$ ☐

d) $\frac{3}{10} \times 8 =$ ☐

e) $\frac{4}{9} \times 5 =$ ☐

f) $\frac{6}{7} \times 7 =$ ☐

g) $\frac{5}{12} \times 9 =$ ☐

h) $\frac{8}{15} \times 6 =$ ☐

i) $\frac{9}{20} \times 10 =$ ☐

j) $\frac{7}{18} \times 12 =$ ☐

4. Multiply a mixed number by a fraction.

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

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

c) $3\frac{2}{5} \times \frac{4}{7} =$ ☐

d) $4\frac{3}{8} \times \frac{1}{2} =$ ☐

e) $5\frac{1}{6} \times \frac{6}{11} =$ ☐

f) $2\frac{3}{5} \times \frac{5}{6} =$ ☐

g) $1\frac{7}{8} \times \frac{2}{3} =$ ☐

h) $3\frac{1}{3} \times \frac{3}{4} =$ ☐

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

j) $6\frac{2}{7} \times \frac{5}{6} =$ ☐

5. Find the value of the missing number.

a) $\frac{3}{4} \times$ ☐ $= \frac{6}{8}$

b) $\frac{5}{6} \times$ ☐ $= \frac{10}{12}$

c) $\frac{7}{9} \times$ ☐ $= \frac{14}{18}$

d) $\frac{2}{5} \times$ ☐ $= \frac{8}{15}$

e) $\frac{4}{7} \times$ ☐ $= \frac{12}{21}$

f) ☐ $\times \frac{3}{8} = \frac{9}{16}$

g) ☐ $\times \frac{5}{12} = \frac{10}{24}$

h) ☐ $\times \frac{2}{9} = \frac{4}{27}$

i) ☐ $\times \frac{7}{10} = \frac{21}{30}$

j) ☐ $\times \frac{3}{14} = \frac{6}{28}$

6. Word problems.

a) Riya ate $\frac{3}{4}$ of a pizza. She ate another $\frac{1}{4}$ of the same pizza. What part of the pizza did she eat in all?

Answer: _____

b) A ribbon is $\frac{5}{6}$ m long. A piece $\frac{2}{3}$ of the ribbon is used. What length of ribbon is used?

Answer: _____

c) A box has $\frac{7}{8}$ kg of rice. $\frac{2}{5}$ of the rice is cooked. What part of the rice is cooked?

Answer: _____

d) A farmer has $\frac{3}{10}$ of a field. He plants $\frac{4}{7}$ of the field. What part of the field is planted?

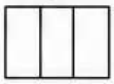
Answer: _____

7. Shade the given fraction of each shape.

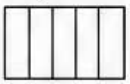
a) $\frac{1}{2}$



b) $\frac{1}{3}$



c) $\frac{2}{5}$



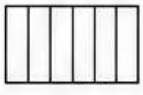
d) $\frac{3}{4}$



e) $\frac{5}{8}$



f) $\frac{3}{6}$



8. True or False. (Tick ✓ the correct option.)

a) $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$ ☐ True ☐ False

b) $\frac{3}{5} \times \frac{4}{5} = \frac{12}{25}$ ☐ True ☐ False

c) $\frac{5}{6} \times 2 = \frac{10}{6}$ ☐ True ☐ False

d) $\frac{7}{8} \times \frac{1}{4} = \frac{7}{32}$ ☐ True ☐ False

e) $\frac{9}{10} \times \frac{5}{6} = \frac{45}{60}$ ☐ True ☐ False

★ Keep practising! ★