

Name: \_\_\_\_\_



Practice: Multiplying Fractions

RULE:

Whenever multiplying fractions together:

$$\frac{a}{b} \times \frac{c}{d} = \frac{a \times c}{b \times d}$$

Multiply the numerators together, then multiply the denominators together.

Multiply each of the following. Express your answer in simplest form.

1)  $\frac{1}{4} \cdot \frac{1}{2}$

2)  $\frac{5}{6} \cdot \frac{1}{3}$

3)  $\frac{3}{4} \cdot \frac{8}{5}$

4)  $\frac{3}{4} \cdot \frac{2}{3}$

5)  $\frac{3}{5} \times \frac{1}{4}$

6)  $1\frac{1}{3} \times \frac{7}{5}$

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

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

9)  $1\frac{1}{5} \times 3\frac{1}{2}$

10)  $3\frac{1}{4} \times \frac{1}{4}$

11)  $2\frac{5}{6} \times \frac{1}{4}$

12)  $2\frac{3}{4} \times 2\frac{1}{6}$

13)  $1\frac{1}{2} \times \frac{2}{3}$

14)  $\frac{1}{2} \times \frac{2}{3}$

15)  $\frac{1}{4} \times \frac{3}{4}$

16)  $2\frac{1}{2} \times \frac{7}{4}$

17)  $5 \times \frac{1}{6}$

18)  $\frac{1}{3} \times \frac{1}{2}$

19)  $1\frac{1}{6} \times 1\frac{5}{6}$

20)  $3\frac{5}{6} \times 2\frac{1}{4}$

21)  $2\frac{4}{5} \times \frac{9}{5}$

22)  $1\frac{2}{3} \times \frac{5}{3}$

$$23) 2\frac{1}{6} \times \frac{11}{6}$$

$$24) 3\frac{1}{3} \times 1\frac{1}{2}$$

# ANSWER KEY

Multiply each of the following. Express your answer in simplest form.

$$1) \frac{1}{4} \cdot \frac{1}{2} = \frac{1}{8}$$

$$2) \frac{5}{6} \cdot \frac{1}{3} = \frac{5}{18}$$

$$3) \frac{3}{4} \cdot \frac{8}{5} = \frac{6}{5}$$

$$4) \frac{3}{4} \cdot \frac{2}{3} = \frac{1}{2}$$

$$5) \frac{3}{5} \times \frac{1}{4} = \frac{3}{20}$$

$$6) 1\frac{1}{3} \times \frac{7}{5} = 1\frac{13}{15}$$

$$7) 2\frac{1}{3} \times \frac{2}{5} = \frac{14}{15}$$

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

$$9) 1\frac{1}{5} \times 3\frac{1}{2} = 4\frac{1}{5}$$

$$10) 3\frac{1}{4} \times \frac{1}{4} = \frac{13}{16}$$

$$11) 2\frac{5}{6} \times \frac{1}{4} = \frac{17}{24}$$

$$12) 2\frac{3}{4} \times 2\frac{1}{6} = 5\frac{23}{24}$$

$$13) 1\frac{1}{2} \times \frac{2}{3}$$

$$14) \frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$$

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$$15) \frac{1}{4} \times \frac{3}{4} = \frac{3}{16}$$

$$16) 2\frac{1}{2} \times \frac{7}{4} = 4\frac{3}{8}$$

$$17) 5 \times \frac{1}{6} = \frac{5}{6}$$

$$18) \frac{1}{3} \times \frac{1}{2} = \frac{1}{6}$$

$$19) 1\frac{1}{6} \times 1\frac{5}{6} = 2\frac{5}{36}$$

$$20) 3\frac{5}{6} \times 2\frac{1}{4} = 8\frac{5}{8}$$

$$21) 2\frac{4}{5} \times \frac{9}{5} = 5\frac{1}{25}$$

$$22) 1\frac{2}{3} \times \frac{5}{3} = 2\frac{7}{9}$$

$$23) 2\frac{1}{6} \times \frac{11}{6} = 3\frac{35}{36}$$

$$24) 3\frac{1}{3} \times 1\frac{1}{2} = 5$$