

17-11-06_fraction_multiplication

	a	b	c	d	e
I.	1. $5 \times \frac{1}{8}$	$6 \times \frac{3}{4}$	$7 \times \frac{1}{12}$	$9 \times \frac{3}{4}$	$6 \times \frac{1}{2}$
	2. $8 \times \frac{3}{4}$	$12 \times \frac{5}{6}$	$8 \times \frac{2}{3}$	$5 \times \frac{5}{6}$	$7 \times \frac{2}{3}$
	3. $4 \times \frac{5}{9}$	$9 \times \frac{3}{8}$	$12 \times \frac{11}{12}$	$16 \times \frac{5}{8}$	$24 \times \frac{5}{6}$
II.	1. $\frac{4}{5} \times 10$	$\frac{9}{10} \times 30$	$\frac{7}{8} \times 2$	$\frac{5}{6} \times 9$	$\frac{11}{12} \times 4$
	2. $\frac{2}{3} \times 8$	$\frac{5}{6} \times 12$	$\frac{5}{12} \times 20$	$\frac{3}{4} \times 15$	$\frac{3}{8} \times 24$
	3. $\frac{3}{5} \times 6$	$\frac{1}{2} \times 7$	$\frac{1}{8} \times 6$	$\frac{2}{5} \times 12$	$\frac{3}{7} \times 8$
III.	1. $\frac{1}{2} \times \frac{1}{4}$	$\frac{3}{4} \times \frac{5}{8}$	$\frac{1}{3} \times \frac{4}{5}$	$\frac{2}{3} \times \frac{4}{9}$	$\frac{5}{6} \times \frac{1}{3}$
	2. $\frac{3}{4} \times \frac{5}{6}$	$\frac{7}{8} \times \frac{2}{9}$	$\frac{2}{3} \times \frac{5}{6}$	$\frac{4}{5} \times \frac{9}{10}$	$\frac{5}{8} \times \frac{7}{10}$
	3. $\frac{2}{3} \times \frac{3}{8}$	$\frac{3}{8} \times \frac{4}{15}$	$\frac{7}{9} \times \frac{3}{14}$	$\frac{2}{5} \times \frac{15}{16}$	$\frac{4}{9} \times \frac{9}{10}$
IV.	1. $\frac{2}{3} \times 1\frac{1}{2}$	$\frac{1}{2} \times 3\frac{1}{4}$	$\frac{4}{5} \times 2\frac{1}{2}$	$2\frac{1}{4} \times \frac{3}{4}$	$\frac{2}{3} \times 3\frac{1}{3}$
	2. $\frac{5}{6} \times 2\frac{1}{4}$	$2\frac{1}{3} \times \frac{3}{7}$	$\frac{4}{5} \times 1\frac{2}{3}$	$\frac{8}{9} \times 2\frac{1}{2}$	$\frac{4}{7} \times 2\frac{1}{3}$
	3. $4\frac{1}{2} \times 6\frac{2}{3}$	$\frac{3}{4} \times 5\frac{1}{2}$	$\frac{3}{4} \times 2\frac{2}{3}$	$1\frac{1}{4} \times \frac{4}{5}$	$3\frac{1}{3} \times \frac{3}{5}$
V.	1. $\begin{array}{r} 27 \\ 4\frac{2}{3} \\ \hline \end{array}$	$\begin{array}{r} 36 \\ 9\frac{3}{4} \\ \hline \end{array}$	$\begin{array}{r} 51 \\ 8\frac{1}{3} \\ \hline \end{array}$	$\begin{array}{r} 14 \\ 2\frac{3}{7} \\ \hline \end{array}$	$\begin{array}{r} 35 \\ 7\frac{4}{5} \\ \hline \end{array}$
	2. $\begin{array}{r} 41\frac{1}{2} \\ 5 \\ \hline \end{array}$	$\begin{array}{r} 36\frac{3}{4} \\ 7 \\ \hline \end{array}$	$\begin{array}{r} 65\frac{1}{2} \\ 8 \\ \hline \end{array}$	$\begin{array}{r} 87\frac{1}{2} \\ 6 \\ \hline \end{array}$	$\begin{array}{r} 44\frac{2}{3} \\ 9 \\ \hline \end{array}$
	3. $\begin{array}{r} 38 \\ 4\frac{3}{4} \\ \hline \end{array}$	$\begin{array}{r} 45\frac{3}{4} \\ 9 \\ \hline \end{array}$	$\begin{array}{r} 67\frac{1}{2} \\ 8 \\ \hline \end{array}$	$\begin{array}{r} 83 \\ 6\frac{5}{8} \\ \hline \end{array}$	$\begin{array}{r} 92 \\ 6\frac{2}{3} \\ \hline \end{array}$
	a	b	c	d	
VI.	1. $4 \times \frac{2}{3} \times \frac{5}{6}$	$\frac{1}{2} \times \frac{3}{4} \times \frac{8}{9}$	$\frac{4}{5} \times \frac{2}{3} \times \frac{7}{8}$	$\frac{9}{10} \times \frac{2}{3} \times \frac{5}{8}$	
	2. $1\frac{1}{2} \times \frac{3}{4} \times 2\frac{1}{2}$	$\frac{5}{6} \times \frac{3}{4} \times 2\frac{3}{4}$	$8 \times \frac{5}{6} \times 1\frac{1}{4}$	$9 \times \frac{3}{4} \times \frac{6}{7}$	
	3. $2\frac{1}{4} \times 3\frac{1}{2} \times 1\frac{1}{3}$	$1\frac{1}{8} \times 1\frac{3}{4} \times 2\frac{2}{7}$	$\frac{3}{4} \times \frac{8}{9} \times 2\frac{1}{3}$	$3\frac{1}{3} \times 1\frac{1}{2} \times \frac{4}{5}$	

Answers to Multiplication of Fractions

- I. 1. a. $\frac{5}{8}$, b. $4\frac{1}{2}$, c. $\frac{7}{12}$, d. $6\frac{3}{4}$, e. 3. 2. a. 6, b. 10, c. $5\frac{1}{3}$, d. $4\frac{1}{6}$, e. $4\frac{2}{3}$.
3. a. $2\frac{2}{9}$, b. $3\frac{3}{8}$, c. 11, d. 10, e. 20.
- II. 1. a. 8, b. 27, c. $1\frac{3}{4}$, d. $7\frac{1}{2}$, e. $3\frac{2}{3}$. 2. a. $5\frac{1}{3}$, b. 10, c. $8\frac{1}{3}$, d. $11\frac{1}{4}$, e. 9.
3. a. $3\frac{3}{5}$, b. $3\frac{1}{2}$, c. $\frac{3}{4}$, d. $4\frac{4}{5}$, e. $3\frac{3}{7}$.
- III. 1. a. $\frac{1}{8}$, b. $\frac{15}{32}$, c. $\frac{4}{15}$, d. $\frac{8}{27}$, e. $\frac{5}{18}$. 2. a. $\frac{5}{8}$, b. $\frac{7}{36}$, c. $\frac{5}{9}$, d. $\frac{18}{25}$, e. $\frac{7}{16}$.
3. a. $\frac{1}{4}$, b. $\frac{1}{10}$, c. $\frac{1}{6}$, d. $\frac{3}{8}$, e. $\frac{2}{5}$.
- IV. 1. a. 1, b. $1\frac{5}{8}$, c. 2, d. $1\frac{11}{16}$, e. $2\frac{2}{9}$. 2. a. $1\frac{7}{8}$, b. 1, c. $1\frac{1}{3}$, d. $2\frac{2}{9}$, e. $1\frac{1}{3}$.
3. a. 30, b. $4\frac{1}{8}$, c. 2, d. 1, e. 2.
- V. 1. a. 126, b. 351, c. 425, d. 34, e. 273. 2. a. $207\frac{1}{2}$, b. $257\frac{1}{4}$, c. 524,
d. 525, e. 402. 3. a. $180\frac{1}{2}$, b. $411\frac{3}{4}$, c. 540, d. $549\frac{7}{8}$, e. $613\frac{1}{3}$.
- VI. 1. a. $2\frac{2}{9}$, b. $\frac{1}{3}$, c. $\frac{7}{15}$, d. $\frac{3}{8}$. 2. a. $2\frac{13}{16}$, b. $1\frac{23}{32}$, c. $8\frac{1}{3}$, d. $5\frac{11}{14}$. 3. a. $10\frac{1}{2}$,
b. $4\frac{1}{2}$, c. $1\frac{5}{9}$, d. 4.