

Key

Multiplying Fractions

Express the answers in lowest terms.

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1. (a) $\frac{1}{5} \times \frac{1}{4} = \frac{1}{20}$ (b) $\frac{1}{6} \times \frac{1}{3} = \frac{1}{18}$ (c) $\frac{2}{5} \times \frac{4}{7} = \frac{8}{35}$ (d) $\frac{2}{3} \times \frac{2}{5} = \frac{4}{15}$

2. (a) $\frac{1}{3} \times \frac{1}{6} = \frac{1}{18}$ (b) $\frac{3}{4} \times \frac{4}{7} = \frac{3}{7}$ (c) $\frac{1}{5} \times \frac{1}{5} = \frac{1}{25}$ (d) $\frac{1}{4} \times \frac{1}{4} = \frac{1}{16}$

3. (a) $\frac{2}{5} \times \frac{1}{4} = \frac{1}{10}$ (b) $\frac{3}{10} \times \frac{5}{6} = \frac{1}{4}$ (c) $\frac{1}{6} \times \frac{6}{7} = \frac{1}{7}$ (d) $\frac{3}{8} \times \frac{2}{3} = \frac{1}{4}$

4. (a) $\frac{1}{3} \times 2\frac{1}{2} = \frac{5}{6}$ (b) $\frac{5}{8} \times 2\frac{2}{5} = 1\frac{1}{2}$ (c) $2\frac{1}{2} \times \frac{3}{5} = 1\frac{1}{2}$ (d) $1\frac{2}{3} \times \frac{5}{12} = \frac{25}{36}$

5. (a) $1\frac{1}{2} \times 3\frac{1}{4} = 4\frac{7}{8}$ (b) $1\frac{2}{3} \times 1\frac{1}{4} = 2\frac{1}{2}$ (c) $2\frac{3}{5} \times 2\frac{5}{8} = 6\frac{33}{40}$ (d) $1\frac{3}{4} \times 2\frac{1}{3} = 4\frac{1}{12}$

6. (a) $1\frac{3}{5} \times 40 = 64$ (b) $32 \times 4\frac{1}{8} = 132$ (c) $2\frac{5}{8} \times \frac{3}{5} = 1\frac{23}{40}$ (d) $7\frac{1}{4} \times 2\frac{2}{5} = 17\frac{2}{5}$