

1. Vypočítejte.

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

b) $\frac{8}{3} \cdot 5 =$

c) $\frac{8}{11} \cdot (-3) =$

d) $\left(-\frac{8}{5}\right) \cdot 6 =$

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

$\frac{3}{7} \cdot 4 =$

$\left(-\frac{3}{2}\right) \cdot 5 =$

$\frac{13}{10} \cdot (-3) =$

$7 \cdot \frac{1}{5} =$

$\frac{15}{8} \cdot 3 =$

$\left(-\frac{1}{8}\right) \cdot (-7) =$

$\frac{7}{4} \cdot (-3) =$

$5 \cdot \frac{2}{7} =$

$\frac{13}{9} \cdot 2 =$

$\left(-\frac{4}{3}\right) \cdot (-1) =$

$\left(-\frac{5}{9}\right) \cdot (-4) =$

$\frac{5}{3} \cdot (-7) =$

$\left(-\frac{8}{15}\right) \cdot 4 =$

$(-7) \cdot \frac{5}{4} =$

$\frac{6}{7} \cdot 10 =$

2. Vypočítejte.

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

b) $\frac{1}{4} \cdot \frac{3}{5} =$

c) $\frac{1}{5} \cdot \frac{1}{4} =$

d) $\frac{1}{6} \cdot \frac{1}{6} =$

$\frac{2}{7} \cdot \frac{1}{9} =$

$\frac{1}{12} \cdot \frac{5}{3} =$

$\frac{1}{2} \cdot \frac{13}{9} =$

$\frac{3}{10} \cdot \frac{7}{10} =$

$\frac{5}{7} \cdot \frac{5}{8} =$

$\frac{8}{11} \cdot \frac{4}{9} =$

$\frac{3}{2} \cdot \frac{11}{17} =$

$\frac{1}{8} \cdot \frac{1}{8} =$

3. Vypočítejte a výsledek uveďte v **základním** tvaru. (Před výpočtem použijte výhodně krácení.)

$\frac{2}{5} \cdot \frac{3}{4} =$

$\frac{10}{11} \cdot \frac{8}{15} =$

$\frac{5}{9} \cdot \frac{3}{10} =$

$\frac{3}{7} \cdot \frac{5}{12} =$

$\frac{12}{19} \cdot \frac{9}{16} =$

$\frac{17}{14} \cdot \frac{7}{3} =$

$\frac{20}{24} \cdot \frac{14}{15} =$

$\left(-\frac{4}{12}\right) \cdot \frac{2}{13} =$

$\left(-\frac{24}{15}\right) \cdot \frac{10}{12} =$

$\left(-\frac{9}{7}\right) \cdot \left(-\frac{5}{6}\right) =$

$\left(-\frac{8}{15}\right) \cdot \left(-\frac{4}{9}\right) =$

$\left(-\frac{10}{13}\right) \cdot \left(-\frac{13}{10}\right) =$

$\frac{34}{8} \cdot \left(-\frac{20}{17}\right) =$

$\frac{17}{14} \cdot \left(-\frac{21}{17}\right) =$

1. Vypočítejte.

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

b) $\frac{8}{3} \cdot 5 = \frac{40}{3} = 13\frac{1}{3}$

c) $\frac{8}{11} \cdot (-3) = -\frac{24}{11} = -2\frac{2}{11}$ d) $\left(-\frac{8}{5}\right) \cdot 6 = -\frac{48}{5} = -9\frac{3}{5}$

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

$\frac{3}{7} \cdot 4 = \frac{12}{7} = 1\frac{5}{7}$

$\left(-\frac{3}{2}\right) \cdot 5 = -\frac{15}{2} = -7\frac{1}{2}$

$\frac{13}{10} \cdot (-3) = -\frac{39}{10} = -3\frac{9}{10}$

$7 \cdot \frac{1}{5} = \frac{7}{5} = 1\frac{2}{5}$

$\frac{15}{8} \cdot 3 = \frac{45}{8} = 5\frac{5}{8}$

$\left(-\frac{1}{8}\right) \cdot (-7) = \frac{7}{8}$

$\frac{7}{4} \cdot (-3) = -\frac{21}{4} = -5\frac{1}{4}$

$5 \cdot \frac{2}{7} = \frac{10}{7}$

$\frac{13}{9} \cdot 2 = \frac{26}{9} = 2\frac{8}{9}$

$\left(-\frac{4}{3}\right) \cdot (-1) = \frac{4}{3} = 1\frac{1}{3}$

$\left(-\frac{5}{9}\right) \cdot (-4) = \frac{20}{9} = 2\frac{2}{9}$

$\frac{5}{3} \cdot (-7) = -\frac{35}{3} = -11\frac{2}{3}$

$\left(-\frac{8}{15}\right) \cdot 4 = -\frac{32}{15} = -2\frac{2}{15}$

$(-7) \cdot \frac{5}{4} = -\frac{35}{4} = -8\frac{3}{4}$

$\frac{6}{7} \cdot 10 = \frac{60}{7} = 8\frac{4}{7}$

2. Vypočítejte.

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

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

c) $\frac{1}{5} \cdot \frac{1}{4} = \frac{1}{20}$

d) $\frac{1}{6} \cdot \frac{1}{6} = \frac{1}{36}$

$\frac{2}{7} \cdot \frac{1}{9} = \frac{2}{63}$

$\frac{1}{12} \cdot \frac{5}{3} = \frac{5}{36}$

$\frac{1}{2} \cdot \frac{13}{9} = \frac{13}{18}$

$\frac{3}{10} \cdot \frac{7}{10} = \frac{21}{100}$

$\frac{5}{7} \cdot \frac{5}{8} = \frac{25}{56}$

$\frac{8}{11} \cdot \frac{4}{9} = \frac{32}{99}$

$\frac{3}{2} \cdot \frac{11}{17} = \frac{33}{34}$

$\frac{1}{8} \cdot \frac{1}{8} = \frac{1}{64}$

3. Vypočítejte a výsledek uveďte v základním tvaru. (Před výpočtem použijte výhodně krácení.)

$\frac{1}{5} \cdot \frac{3}{4} = \frac{3}{20}$

$\frac{2}{11} \cdot \frac{8}{15} = \frac{16}{165}$

$\frac{1}{3} \cdot \frac{5}{10} = \frac{1}{6}$

$\frac{1}{7} \cdot \frac{5}{12} = \frac{5}{84}$

$\frac{3}{19} \cdot \frac{9}{16} = \frac{27}{304}$

$\frac{17}{14} \cdot \frac{1}{3} = \frac{17}{42}$

$\frac{4}{12} \cdot \frac{20}{24} = \frac{1}{3}$

$\frac{2}{3} \cdot \left(-\frac{4}{12}\right) = -\frac{2}{9}$

$\left(-\frac{24}{3}\right) \cdot \frac{10}{12} = -\frac{4}{3} = -1\frac{1}{3}$

$\frac{3}{7} \cdot \left(-\frac{5}{6}\right) = -\frac{15}{42} = -\frac{5}{14}$

$\left(-\frac{8}{15}\right) \cdot \left(-\frac{4}{9}\right) = \frac{32}{135}$

$\left(-\frac{10}{13}\right) \cdot \left(-\frac{13}{10}\right) = 1$

$\frac{2}{8} \cdot \left(-\frac{20}{17}\right) = -\frac{5}{17}$

$\frac{1}{14} \cdot \left(-\frac{21}{17}\right) = -\frac{3}{34}$