

Denke ans Kürzen vorm Multiplizieren

1) $\frac{32}{160} \cdot \frac{6}{48} = \underline{\quad} \cdot \underline{\quad} = \underline{\quad}$

2) $\frac{6}{131} \cdot \frac{5}{18} = \underline{\quad} \cdot \underline{\quad} = \underline{\quad}$

3) $\frac{192}{147} \cdot \frac{5}{288} = \underline{\quad} \cdot \underline{\quad} = \underline{\quad}$

4) $\frac{30}{156} \cdot \frac{2}{40} = \underline{\quad} \cdot \underline{\quad} = \underline{\quad}$

5) $\frac{96}{147} \cdot \frac{5}{192} = \underline{\quad} \cdot \underline{\quad} = \underline{\quad}$

6) $\frac{32}{178} \cdot \frac{6}{16} = \underline{\quad} \cdot \underline{\quad} = \underline{\quad}$

7) $\frac{18}{192} \cdot \frac{9}{72} = \underline{\quad} \cdot \underline{\quad} = \underline{\quad}$

8) $\frac{42}{159} \cdot \frac{4}{14} = \underline{\quad} \cdot \underline{\quad} = \underline{\quad}$

9) $\frac{25}{115} \cdot \frac{5}{30} = \underline{\quad} \cdot \underline{\quad} = \underline{\quad}$

10) $\frac{15}{184} \cdot \frac{8}{35} = \underline{\quad} \cdot \underline{\quad} = \underline{\quad}$

11) $\frac{32}{179} \cdot \frac{4}{48} = \underline{\quad} \cdot \underline{\quad} = \underline{\quad}$

12) $\frac{25}{200} \cdot \frac{16}{15} = \underline{\quad} \cdot \underline{\quad} = \underline{\quad}$

13) $\frac{125}{196} \cdot \frac{3}{175} = \underline{\quad} \cdot \underline{\quad} = \underline{\quad}$

14) $\frac{27}{160} \cdot \frac{10}{18} = \underline{\quad} \cdot \underline{\quad} = \underline{\quad}$

15) $\frac{28}{160} \cdot \frac{6}{56} = \underline{\quad} \cdot \underline{\quad} = \underline{\quad}$

Lösung:

1) $\frac{2}{160} \cdot \frac{6}{3} = \frac{2}{80} \cdot \frac{3}{3} = \frac{6}{240} = \frac{1}{40}$

2) $\frac{1}{131} \cdot \frac{5}{3} = \frac{1}{131} \cdot \frac{5}{3} = \frac{5}{393} = \underline{\quad}$

3) $\frac{2}{147} \cdot \frac{5}{3} = \frac{2}{147} \cdot \frac{5}{3} = \frac{10}{441} = \underline{\quad}$

4) $\frac{3}{156} \cdot \frac{2}{4} = \frac{3}{78} \cdot \frac{1}{4} = \frac{3}{312} = \frac{1}{104}$

5) $\frac{1}{147} \cdot \frac{5}{2} = \frac{1}{147} \cdot \frac{5}{2} = \frac{5}{294} = \underline{\quad}$

6) $\frac{2}{178} \cdot \frac{6}{1} = \frac{2}{89} \cdot \frac{3}{1} = \frac{6}{89} = \underline{\quad}$

7) $\frac{1}{192} \cdot \frac{9}{4} = \frac{1}{64} \cdot \frac{3}{4} = \frac{3}{256} = \underline{\quad}$

8) $\frac{3}{159} \cdot \frac{4}{1} = \frac{3}{159} \cdot \frac{4}{1} = \frac{12}{159} = \frac{4}{53}$

9) $\frac{5}{115} \cdot \frac{5}{6} = \frac{5}{23} \cdot \frac{1}{6} = \frac{5}{138} = \underline{\quad}$

10) $\frac{3}{184} \cdot \frac{8}{7} = \frac{3}{23} \cdot \frac{1}{7} = \frac{3}{161} = \underline{\quad}$

11) $\frac{2}{179} \cdot \frac{4}{3} = \frac{2}{179} \cdot \frac{4}{3} = \frac{8}{537} = \underline{\quad}$

12) $\frac{5}{200} \cdot \frac{16}{3} = \frac{5}{25} \cdot \frac{2}{3} = \frac{10}{75} = \frac{2}{15}$

13) $\frac{5}{196} \cdot \frac{3}{7} = \frac{5}{196} \cdot \frac{3}{7} = \frac{15}{1372} = \underline{\quad}$

14) $\frac{3}{160} \cdot \frac{10}{2} = \frac{3}{16} \cdot \frac{1}{2} = \frac{3}{32} = \underline{\quad}$

15) $\frac{1}{160} \cdot \frac{6}{2} = \frac{1}{80} \cdot \frac{3}{2} = \frac{3}{160} = \underline{\quad}$