

1) Bekijk de uitlegvideo op: ► 62-vermenigvuldigen-breuken-4

$$\begin{array}{lll}
 2) \quad \frac{7}{8} \times \frac{16^2}{17} = \frac{14}{17} & \frac{7}{22} \times \frac{17}{14_2} = \frac{17}{44} & \frac{7}{8} \times \frac{8}{17} = \frac{7}{17} \\
 \frac{7}{22} \times \frac{17}{7} = \frac{17}{22} & \frac{1}{3} \times \frac{6^2}{893} = \frac{2}{893} & \frac{7}{40} \times \frac{80^2}{15} = \frac{14}{15} \\
 \frac{1}{8} \times \frac{16^2}{5} = \frac{2}{5} & \frac{2}{3} \times \frac{6^2}{7} = \frac{4}{7} & \frac{12}{13} \times \frac{5}{24_2} = \frac{5}{26} \\
 \frac{15}{40} \times \frac{7}{30_2} = \frac{7}{80} & \frac{15}{40} \times \frac{7}{15} = \frac{7}{40} & \frac{1}{5} \times \frac{10^2}{73} = \frac{2}{73}
 \end{array}$$

$$3) \quad 0,07 \times 0,07 = 0,0049$$

$$0,00862 \times 2,1 = 0,018102$$

$$400 \times 0,00067 = 0,268$$

Schrijf hier je berekeningen.

$$\begin{array}{r}
 862 \\
 21 \times \\
 \hline
 862 \\
 17240 \\
 \hline
 18102
 \end{array}
 +$$

$$\begin{array}{r}
 67 \\
 4 \times \\
 \hline
 268
 \end{array}
 \times$$

$$\begin{array}{lll}
 4) \quad \frac{1}{100} \times \frac{200^2}{351} = \frac{2}{351} & \frac{200^2}{100} \times \frac{1}{357} = \frac{2}{357} & \frac{5}{66} \times \frac{33}{7} = \frac{5}{14} \\
 \frac{5}{8} \times \frac{3}{10_2} = \frac{3}{16} & \frac{2}{353} \times \frac{1}{3} = \frac{2}{353} & \frac{1}{7} \times \frac{21^3}{5} = \frac{3}{5} \\
 \frac{7}{8} \times \frac{24^3}{25} = \frac{21}{25} & \frac{1}{8} \times \frac{24^3}{5} = \frac{3}{5} & \frac{7}{12} \times \frac{60^5}{61} = \frac{35}{61}
 \end{array}$$

$$1) \quad \frac{14}{21} \times \frac{5}{21} = \frac{10}{63} \quad \frac{22}{51} \times \frac{13}{33} = \frac{26}{153} \quad \frac{12}{12} \times \frac{13}{18} = \frac{26}{3} = 8\frac{2}{3}$$

$$\frac{1}{12} \times \frac{18}{110} = \frac{3}{220} \quad \frac{12}{12} \times \frac{11}{18} = \frac{22}{3} = 7\frac{1}{3} \quad \frac{12}{12} \times \frac{13}{60} = \frac{13}{5} = 2\frac{3}{5}$$

2) Zet om naar hm en omcirkel de kortste lengte. $0,3 \text{ km} = 3 \text{ hm}$ $30 \text{ dam} = 3 \text{ hm}$ $30 \text{ m} = 0,3 \text{ hm}$	Zet om naar dm en omcirkel de kortste lengte. $0,88 \text{ cm} = 0,088 \text{ dm}$ $30 \text{ mm} = 0,3 \text{ dm}$ $0,03 \text{ m} = 0,3 \text{ dm}$	Zet om naar mm en omcirkel de kortste lengte. $0,25 \text{ dm} = 25 \text{ mm}$ $3,125 \text{ cm} = 31,25 \text{ mm}$ $0,03 \text{ m} = 30 \text{ mm}$
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3) Zet netjes onder elkaar en bereken.

$$587,96 + 1752,7 = 2340,66$$

$$77 + 89 + 8,4 = 174,4$$

$$1752,7 - 537,66 = 1215,04$$

$$77 \times 8,9 = 685,3$$

$$\begin{array}{r} 0000 \\ 587,96 \\ 1752,7 \\ \hline 2340,66 \end{array} +$$

$$\begin{array}{r} 77 \\ 89 \\ 8,4 \\ \hline 174,4 \end{array} +$$

$$\begin{array}{r} 77 \\ 89 \\ \hline 693 \\ 6160 \\ \hline 6853 \end{array} \times +$$

$$\begin{array}{r} 412610 \\ 1782,70 \\ 537,66 \\ \hline 1215,04 \end{array}$$

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

$$\frac{14}{14} \times \frac{5}{21} = \frac{10}{3} = 3\frac{1}{3}$$

$$\frac{56}{11} \times \frac{5}{21} = \frac{40}{33} = 1\frac{7}{33}$$

$$14 \times \frac{5}{14} = 5$$

$$\frac{22}{51} \times \frac{13}{44} = \frac{13}{102}$$

$$\frac{21}{55} \times \frac{55}{21} = 1 = 1$$

$$1) \frac{2}{11} \times \frac{33^3}{17} = \frac{6}{17}$$

$$\frac{1}{\frac{22}{2}} \times \frac{33^3}{40} = \frac{3}{80}$$

$$\frac{3}{2} \frac{21}{22} \times \frac{55^5}{14} = \frac{15}{4} = 3 \frac{3}{4}$$

$$\frac{5}{7} \frac{15}{7} \times \frac{7}{18} = \frac{5}{6}$$

2) Zet om naar mm en omcirkel de grootste afstand.

$$\left(\frac{1}{4} \text{ dm}\right) = 0,25 \text{ dm} = 25 \text{ mm}$$

$$3 \frac{1}{8} \text{ cm} = 3,125 \text{ cm} = 31,25 \text{ mm}$$

$$0,03 \text{ m} = 30 \text{ mm}$$

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

$$\frac{7}{18} \times \frac{15}{7} = 1$$

$$\frac{11}{100} \times \frac{200^2}{7} = \frac{22}{7} = 3 \frac{1}{7}$$

$$\frac{3}{2} \frac{60}{22} \times \frac{55^5}{20} = \frac{15}{2} = 7 \frac{1}{2}$$

- 4) Priya heeft €458,50. Zij koopt deze vouwfiets. Hoeveel heeft zij dan nog over?
- A €120,45     C €120,55
- B €121,55    D €124,45



Berekening:

$$\begin{array}{r} 14 \\ 7 \ 4 \ 10 \\ 458,50 \\ - 337,95 \\ \hline 120,55 \end{array}$$

$$5) \frac{56}{100} \times \frac{20}{7} = \frac{8}{5} = 1 \frac{3}{5}$$

$$\frac{2}{7} \times \frac{7}{6} = \frac{2}{3}$$

$$3 \times \frac{29}{30} = \frac{29}{10} = 2 \frac{9}{10}$$

$$\frac{7 \times 56 \times 66}{11 \times 7 \times 7} = 48$$

$$\frac{56 \times 3 \times 0 \times 555}{56 \times 111 \times 7 \times 3} = 0$$

$$\frac{56 \times 111 \times 7 \times 3}{56 \times 3 \times 0 \times 555} = \text{kan niet}$$