

Aufgabenblatt 9. Dezember 2024: Dezimalzahlen \leftrightarrow Brüche

1. Wandeln Sie in einen Bruch um:

(a) $0.375 = \frac{375}{1000} \xrightarrow{125} \frac{3}{8}$ (b) $0.2 = \frac{2}{10} = \frac{1}{5}$ (c) $0.8 = \frac{4}{5}$ (d) $0.5 = \frac{1}{2}$
(e) $0.25 = \frac{1}{4}$ (f) $0.4 = \frac{4}{10} = \frac{2}{5}$ (g) $0.75 = \frac{3}{4}$ (h) $0.875 = \frac{7}{8}$ (i) $0.125 = \frac{1}{8}$
(j) $0.6 = \frac{3}{5}$

2. Wandeln Sie in eine Dezimalzahl um

(a) $\frac{1}{2} = 0,5$ (b) $\frac{3}{6} = 0,5$ (c) $\frac{2}{5} = 0,4$ (d) $\frac{7}{5} = 1,4$ (e) $\frac{5}{8} = 0,625$
(f) $\frac{1}{6} = 0,1\bar{6}$ (g) $\frac{1}{4} = 0,25$ (h) $\frac{3}{5} = 0,6$ (i) $\frac{1}{3} = 0,\bar{3}$ (j) $\frac{4}{5} = 0,8$
(k) $\frac{2}{3} = 0,\bar{6}$ (l) $\frac{1}{8} = 0,125$ (m) $\frac{5}{6} = 0,8\bar{3}$ (n) $\frac{3}{4} = 0,75$ (o) $\frac{3}{7} = 0.\overline{428571}$