

Lösung 6.9

$$1. a) \frac{4}{5} = \frac{8}{10} = 0,8$$

$$b) \frac{1}{3} = \frac{13}{10} = 1,2$$

$$c) \frac{18}{30} = \frac{6}{10} = 0,6$$

$$\frac{3}{4} = \frac{25}{100} = 0,75$$

$$3\frac{3}{4} = 3,75$$

$$\frac{49}{70} = \frac{7}{10} = 0,7$$

$$\frac{3}{5} = \frac{6}{10} = 0,6$$

$$4\frac{1}{8} = 4\frac{125}{1000} = 4,125$$

$$\frac{36}{400} = \frac{9}{100} = 0,09$$

$$\frac{7}{10} = 0,7$$

$$2\frac{57}{100} = 2,57$$

$$\frac{60}{300} = \frac{20}{100} = 0,2$$

$$d) \frac{5}{8} = \frac{625}{1000} = 0,625$$

$$\frac{2}{3} = ? \quad \frac{1}{6} = ?$$

$$\frac{13}{125} = \frac{104}{1000} = 0,104$$

geht nicht, weil 1000, 10000... ist nicht durch 3/6 teilbar.

$$2) a) \frac{9}{20} = \frac{45}{100} = 0,45$$

$$b) \frac{1}{4} = 1,75$$

$$c) \frac{27}{30} = \frac{9}{10} = 0,9$$

$$\frac{6}{25} = \frac{24}{100} = 0,24$$

$$4\frac{1}{4} = 4,25$$

$$\frac{24}{40} = \frac{6}{10} = 0,6$$

$$\frac{6}{5} = \frac{12}{10} = 1,2$$

$$5\frac{7}{8} = 5,875$$

$$\frac{48}{60} = \frac{8}{10} = 0,8$$

$$\frac{17}{20} = \frac{85}{100} = 0,85$$

$$10\frac{3}{5} = 10,6$$

$$\frac{24}{30} = \frac{8}{10} = 0,8$$

$$\frac{7}{8} = \frac{875}{1000} = 0,875$$

$$1\frac{7}{20} = 1\frac{35}{100} = 1,35$$

$$\frac{20}{80} = \frac{1}{4} = 0,25$$

$$\frac{24}{50} = \frac{48}{100} = 0,48$$

$$3\frac{1}{2} = 3,5$$

$$\frac{110}{200} = \frac{55}{100} = 0,55$$

$$\frac{7}{4} = \frac{175}{100} = 1,75$$

$$3\frac{11}{25} = 3\frac{44}{100} = 3,44$$

$$\frac{180}{300} = \frac{60}{100} = 0,6$$

$$12\frac{3}{8} = 12\frac{375}{1000} = 12,375$$

$$\frac{84}{400} = \frac{21}{100} = 0,21$$

$$d) \frac{23}{125} = \frac{184}{1000} = 0,184$$

$$\frac{19}{250} = \frac{76}{1000} = 0,076$$

$$\frac{7}{125} = \frac{56}{1000} = 0,056$$

$$\frac{74}{500} = \frac{148}{1000} = 0,148$$

$$\frac{221}{250} = \frac{884}{1000} = 0,884$$

$$\frac{18}{50} = \frac{36}{100} = 0,36$$

$$\frac{49}{50} = \frac{98}{100} = 0,98$$

$$\frac{176}{500} = \frac{352}{1000} = 0,352$$

Lösung 6.9

Lösung 8 (mdb650387):

$$\text{a) } \frac{7}{20} = \frac{35}{100} = 0,35$$

$$\text{b) } \frac{3}{5} = \frac{6}{10} = 0,6$$

$$\text{c) } \frac{1}{4} = \frac{25}{100} = 0,25$$

$$\text{d) } \frac{3}{4} = \frac{75}{100} = 0,75$$

$$\text{e) } \frac{3}{5} = \frac{6}{10} = 0,6$$

$$\text{f) } \frac{9}{10} = 0,9$$

$$\text{g) } \frac{18}{100} = 0,18$$

$$\text{h) } \frac{65}{100} = 0,65$$

Lösung 9 (mdb400454):

$$\text{a) } 0,6$$

$$\text{b) } 0,437$$

$$\text{c) } 1,62$$

$$\text{d) } 0,22$$

$$\text{e) } 0,77777$$

$$\text{f) } 0,90909090$$

Lösung 10 (mdb630320):

$$\frac{2}{15} = 0,1\bar{3}$$

$$\frac{7}{12} = 0,58\bar{3}$$

$$\frac{5}{3} = 1,6$$

$$\frac{5}{6} = 0,8\bar{3}$$

$$\frac{2}{7} = 0,285714$$