

150/1 PRO POROVNÁVÁNÍ JE LEPŠÍ POUŽÍT
DES. ČÍSLA, PRO POČÍTÁNÍ ZLOMKY

17-1

a) $-\frac{2}{3} = -0.\overline{6}$ $0,2 = \frac{1}{5}$ $\frac{7}{8} = 0,875$

$$\boxed{\frac{7}{8} > 0,2 > -0.\overline{6}}$$

$$\frac{7}{8} + \frac{1}{5} = \frac{35+8}{40} = \underline{\underline{\frac{43}{40}}}$$

$-1,3 = -\frac{13}{10}$ $-\frac{3}{2} = -1,5$ $-\frac{6}{9} = -0.\overline{6}$

$$\boxed{-\frac{6}{9} > -1,3 > -1,5}$$

$$-\frac{6}{9} + \left(-\frac{13}{10}\right) = \frac{-60-117}{90} = \frac{-177}{90} = \underline{\underline{-\frac{59}{30}}}$$

b) $2,8 = \frac{14}{5}$ $\frac{10}{3} = 3.\overline{3}$ $\frac{7}{2} = 3,5$

$$\boxed{\frac{7}{2} > \frac{10}{3} > 2,8}$$

$$\frac{7}{2} + \frac{10}{3} = \frac{21+20}{6} = \underline{\underline{\frac{41}{6}}}$$

$-\frac{2}{3} = -0.\overline{6}$ $-1,2 = -\frac{6}{5}$ $\frac{3}{5} = 0,6$

$$\boxed{\frac{3}{5} > -\frac{2}{3} > -1,2}$$

$$\frac{3}{5} + \left(-\frac{2}{3}\right) = \frac{9-10}{15} = \underline{\underline{-\frac{1}{15}}}$$

c) 0 $-\frac{5}{4} = -1,25$ $\frac{6}{9} = 0.\overline{6}$

$$\boxed{\frac{6}{9} > 0 > -\frac{5}{4}}$$

$$\frac{6}{9} + 0 = \underline{\underline{\frac{6}{9}}}$$

$-\frac{2}{3} = -0.\overline{6}$ $-0,6 = -\frac{3}{5}$ $-\frac{7}{2} = -3,5$

$$\boxed{-0,6 > -\frac{2}{3} > -\frac{7}{2}}$$

$$-\frac{3}{5} + \left(-\frac{2}{3}\right) = \frac{-9+(-10)}{15} = \underline{\underline{-\frac{19}{15}}}$$

17-2

150/2

MENSENEC $\frac{10}{3}$ $\left[\begin{array}{c} -1,1\bar{6} \\ -\frac{7}{6} \end{array} \right]$ $\frac{8}{9}$ $-\frac{3}{4}$ $1,5$ $-\frac{9}{5}$ $\left[-3,7 \right]$ $\frac{9}{25}$ $-\frac{3}{7}$

MENSITEC $0,2$ $\frac{1}{3}$ $\left[\begin{array}{c} \frac{14}{9} \\ 1,5 \end{array} \right]$ $0,5$ $\frac{7}{8}$ $\left[-\frac{8}{5} \right]$ $-1,9$ $1,1$ $-\frac{2}{3}$

ROZDIL $\left[\begin{array}{c} \frac{47}{15} \\ 3,1\bar{3} \end{array} \right]$ $-\frac{3}{2}$ $-\frac{2}{3}$ $\left[\begin{array}{c} -\frac{5}{4} \\ -1,25 \end{array} \right]$ $\left[\begin{array}{c} \frac{5}{8} \\ 0,625 \end{array} \right]$ $-\frac{116}{-0,2}$ $-1,8$ $\left[\begin{array}{c} \frac{37}{50} \\ -0,74 \end{array} \right]$ $\left[\begin{array}{c} \frac{5}{21} \\ 0,238... \end{array} \right]$

CINITEC $0,3$ $-\frac{3}{20}$ $-\frac{2}{3}$ 3 $-2,1$ $-0,3$ $\left[\begin{array}{c} -0,178... \\ -\frac{5}{28} \end{array} \right]$ $\left[\begin{array}{c} 1,6 \\ \frac{5}{3} \end{array} \right]$ $\left[\begin{array}{c} -0,114... \\ -\frac{4}{35} \end{array} \right]$

CINITEC $-\frac{1}{7}$ $1,5$ $-0,9$ $\left[\begin{array}{c} -\frac{7}{15} \\ -0,4\bar{6} \end{array} \right]$ $\left[\begin{array}{c} \frac{20}{21} \\ 0,952... \end{array} \right]$ $\left[-3 \right]$ $\frac{7}{5}$ $-\frac{9}{10}$ $-\frac{7}{4}$

SOUCIN $\left[\begin{array}{c} -\frac{3}{70} \\ -0,042... \end{array} \right]$ $\left[\begin{array}{c} -\frac{9}{40} \\ -0,225 \end{array} \right]$ $\left[\begin{array}{c} \frac{3}{5} \\ 0,6 \end{array} \right]$ $-\frac{7}{5}$ $-\frac{10}{5}$ $\frac{9}{10}$ $-0,25$ $-\frac{3}{2}$ $0,2$

$$\frac{10}{3} - \frac{1}{5} = \frac{50-3}{15} = \frac{47}{15}$$

$$-\frac{3}{2} + \frac{1}{3} = \frac{-9+2}{6} = \frac{-7}{6}$$

$$\frac{8}{9} - \left(-\frac{2}{3}\right) = \frac{8+6}{9} = \frac{14}{9}$$

$$-\frac{3}{4} - \frac{1}{2} = \frac{-3-2}{4} = -\frac{5}{4}$$

$$\frac{3}{2} - \frac{7}{8} = \frac{12-7}{8} = \frac{5}{8}$$

$$-\frac{9}{5} - \left(-\frac{1}{5}\right) = \frac{-9+1}{5} = -\frac{8}{5}$$

$$-1,8 + (-1,9) = -1,8 - 1,9 = -3,7$$

$$\frac{9}{25} - \frac{11}{10} = \frac{18-55}{50} = \frac{-37}{50}$$

$$-\frac{3}{7} - \left(-\frac{2}{3}\right) = \frac{-9+14}{21} = \frac{5}{21}$$

$$\frac{3}{10} \cdot \left(-\frac{1}{7}\right) = -\frac{3}{70}$$

$$-\frac{3}{20} \cdot \frac{3}{2} = -\frac{9}{40}$$

$$-\frac{2}{3} \cdot \left(-\frac{9}{10}\right) = \frac{3}{5}$$

$$-\frac{7}{5} \cdot \frac{1}{3} = -\frac{7}{15}$$

$$-\frac{10}{5} \cdot \left(-\frac{10}{21}\right) = \frac{20}{21}$$

$$\frac{9}{10} \cdot \left(-\frac{10}{3}\right) = -3$$

$$-\frac{1}{4} \cdot \frac{5}{7} = -\frac{5}{28}$$

$$-\frac{3}{2} \cdot \left(-\frac{10}{9}\right) = \frac{5}{3}$$

$$\frac{1}{5} \cdot \left(-\frac{4}{7}\right) = -\frac{4}{35}$$

M7-3

151/3 DĚLKA 0,15 m = $\frac{15}{100}$ m
ŠÍŘKA $\frac{1}{25}$ m = $\frac{4}{100}$ m

$$\sigma = 2(a + b)$$

$$\sigma = 2\left(\frac{15}{100} + \frac{4}{100}\right) = \frac{38}{100} \text{ m}$$

0,38

$$S = a \cdot b$$

$$S = \frac{15}{100} \cdot \frac{4}{100} = \frac{60}{10000} = \frac{6}{1000} = \frac{3}{500} \text{ m}^2$$

0,006

151/4 DĚLKA 2,5 m

hrůžl $\frac{2}{5}$ m

ZDYTEK : 3

$$2,5 - 0,4 = 2,1 \text{ m}$$

$$2,1 : 3 = \underline{\underline{0,7 \text{ m}}}$$

DÍLY MASÍ 0,7 m.

