

4. Vstavi znak <, > ali = .

a)  $-5$   $\boxed{>}$   $-9$

b)  $-2,3$   $\boxed{<}$   $0$

c)  $0,4$   $\boxed{>}$   $-\frac{16}{17}$

č)  $-\frac{4}{5}$   $\boxed{>}$   $-\frac{17}{20}$

$\Rightarrow -\frac{16}{20} > -\frac{17}{20}$

SKUPNI IMENOVALEC

5. Izračunaj:

a)  $|-4| = 4$

b)  $|+6| = 6$

c)  $-(-(-(-9))) = 9$

6. Določi:

a)  $3 \xrightarrow{-5} \boxed{-2}$

b)  $-6 \xrightarrow{+5} \boxed{-1}$

c)  $\boxed{-8} \xrightarrow{+8} 0$

d)  $-1 \xrightarrow{\boxed{+8}} 7$

e)  $7 \xrightarrow{\boxed{-12}} -5$

7. Izračunaj vrednost izrazov:

a)  $-19 - (4 - 15) \cdot (-6 + 2) = -19 - (-11) \cdot (-4) =$   
 $= -19 - (+44) =$   
 $= -19 - 44 = \underline{\underline{-63}}$

b)  $-5,4 \ominus 0,8 \cdot (-7) + 4,1 =$

$= -5,4 \oplus 5,6 + 4,1 = 9,7 - 5,4 = \underline{\underline{4,3}}$

c)  $-\frac{5}{6} \cdot (-1\frac{1}{5}) + \frac{7}{8} : (-\frac{1}{12}) =$

$= + \frac{5 \cdot 6 \cdot 1 \cdot 1}{6 \cdot 5 \cdot 1 \cdot 1} - \frac{7 \cdot 12 \cdot 3}{8 \cdot 1 \cdot 2} =$

$= 1 - \frac{21}{2} = \frac{2}{2} - \frac{21}{2} = -\frac{19}{2} = \underline{\underline{-9\frac{1}{2}}}$

# VAJE

1. Izračunaj, najprej odpravi oklepaje:

$$a) -3 + (-12) = -3 - 12 = \underline{\underline{-15}}$$

$$b) 19 - (-6) = 19 + 6 = \underline{\underline{25}}$$

$$c) -21 - (-17) - (+57) + (-38) = \underline{-21} + \underline{17} - \underline{57} - \underline{38} = \\ = 17 - 116 = \\ = \underline{\underline{-99}}$$

$$d) 2,4 - (-4,5 + 6,17 - 9) = \\ = \underline{2,4} + \underline{4,5} - \underline{6,17} + \underline{9} = \underline{15,9} - \underline{6,17} = \underline{\underline{9,73}}$$

$$e) \frac{1}{5} - \left(\frac{2}{3} + \frac{1}{15}\right) - \left(-\frac{7}{30}\right) = \frac{1}{5} - \frac{2}{3} - \frac{1}{15} + \frac{7}{30} = \\ = \frac{6}{30} - \frac{20}{30} - \frac{2}{30} + \frac{7}{30} = \frac{13}{30} - \frac{22}{30} = -\frac{9}{30} \\ = \underline{\underline{-\frac{3}{10}}}$$

2. Preberi in obkroži pravilne izjave:

a)  $-8 \in \mathbb{Z}^+$

c)  $\mathbb{N} \subset \mathbb{Z}$

b)  $\frac{8}{9} \in \mathbb{Q}^+$

č)  $0 \in \mathbb{Z}$

3. Zmnoži ali deli.

$$a. -\frac{2}{3} \cdot \frac{9}{10} = -\frac{2 \cdot 9}{3 \cdot 10} = -\frac{\cancel{2} \cdot \cancel{9} \cdot 3 \cdot 1}{\cancel{3} \cdot \cancel{10} \cdot 1 \cdot 5} = \underline{\underline{-\frac{3}{5}}}$$

$$b. -\frac{3}{4} \cdot \left(-1 \frac{5}{11}\right) = +\frac{3 \cdot \cancel{16} \cdot 4}{4 \cdot 11 \cdot 1} = \frac{12}{11} = \underline{\underline{1 \frac{1}{11}}}$$

$$c. (+0,8) : \left(-\frac{12}{25}\right) = -\frac{8}{10} : \frac{12}{25} = -\frac{\cancel{8} \cdot 25}{\cancel{10} \cdot \cancel{12} \cdot \cancel{2} \cdot 3 \cdot 1} = \\ = -\frac{5}{3} = \underline{\underline{-1 \frac{2}{3}}}$$