24. DIJELJENJE CIJELIH BROJEVA

24. NASTAVNI LISTIĆ

1. **Zaokruži** slovo uz POZITIVAN količnik.

a) $-15 : 3$

b) $-35 : (-7)$

c) $7 : 1$

d) $-45 : 9$

e) $6 : (-2)$

f) $6 : 6$

g) $-4 : 4$

h) $-72 : (-8)$

2. **Zaokruži** slovo ako je količnik -3.

a) $-6 : 2$

b) $-12 : (-4)$

c) $-12 : 3$

d) $12 : (-6)$

e) $-15 : 5$

f) $-16 : (-2)$

g) $-24 : (-8)$

h) $-30 : (-10)$

3. **Podijeli**.

a) $-6 : 3 = -2$

b) $-3 : (-3) = 1$

c) $-4 : 1 =$ _____

d) $-9 : (-3) =$ _____

e) $-8 : 2 =$ _____

f) $-8 : (-2) =$ _____

g) $-4 : 4 =$ _____

h) $-7 : (-1) =$ _____

4. **Podijeli** pa **zbroji**.

a) $-6 : 3 + 7 = -2 + 7 = 5$

b) $-3 : (-1) + 4 =$ _____

c) $-4 : 1 + 9 =$ _____

d) $35 : 5 + (-2) =$ _____

e) $16 : (-4) + (-4) =$ _____

5. **Zbroji** pa **pomnoži**.

a) $-6 : (-2 + 4) = -6 \cdot 7 = -42$

b) $8 : (-1 + 4) =$ _____

c) $-40 : (1 + 9) =$ _____

d) $(7 + 5) : (-2) =$ _____

e) $(16 - 4) : (-4) =$ _____

25. POZITIVNI I NEGATIVNI RACIONALNI BROJEVI

25. NASTAVNI LISTIĆ

1. **Odredi** predznak racionalnog broja.

a) $\frac{-1}{4} = \ominus \frac{1}{4}$

b) $\frac{1}{-4} = \bigcirc \frac{1}{4}$

c) $\frac{-1}{-3} = \bigcirc \frac{1}{3}$

d) $\frac{-3}{-4} = \bigcirc \frac{3}{4}$

e) $\frac{-2}{5} = \bigcirc \frac{2}{5}$

f) $\frac{2}{-7} = \bigcirc \frac{2}{7}$

2. **Napiši** količnik u obliku racionalnog broja.

a) $\frac{-2}{3} = -\frac{2}{3}$

b) $\frac{1}{-7} =$ _____

c) $-\frac{-1}{5} =$ _____

d) $-\frac{-4}{-3} =$ _____

e) $\frac{-4}{5} =$ _____

f) $-\frac{3}{-2} =$ _____

3. **Zaokruži** pozitivne racionalne brojeve.

$\frac{-1}{4}$, $\frac{3}{8}$, $-\frac{3}{5}$, $\frac{-4}{7}$, $\frac{1}{-6}$, $-\frac{6}{11}$

4. **Pretvori** u razlomak.

a) $-2\frac{1}{3} = -\frac{2 \cdot 3 + 1}{3} = \frac{-7}{3}$

b) $-1\frac{3}{4} = -\frac{1 \cdot 4 + 3}{3} = \_\_\_\_\_$

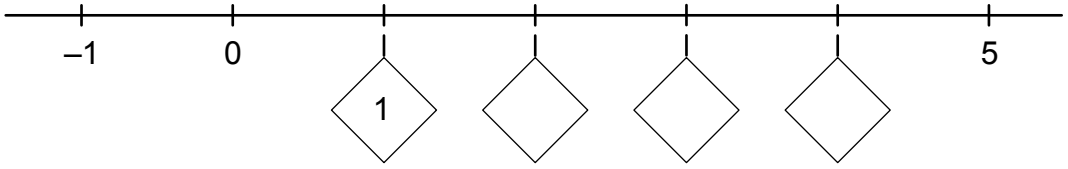
c) $-3\frac{1}{4} = -\frac{\_\_\_\_\_}{4} = \_\_\_\_\_$

d) $-1\frac{1}{3} = -\_\_\_\_\_ = \_\_\_\_\_$

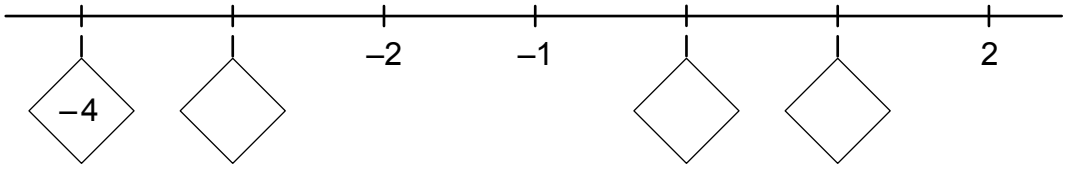
26. PRIKAZIVANJE RACIONALNIH BROJEVA NA PRAVCU

1. **Napiši** u kvadratić:

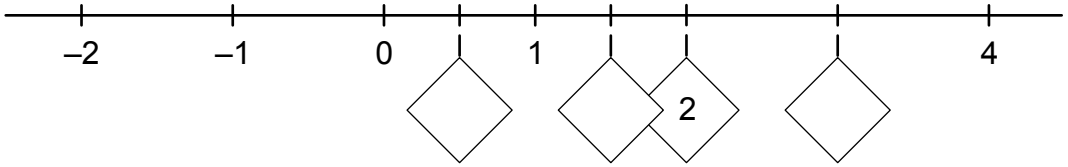
a) prirodni broj



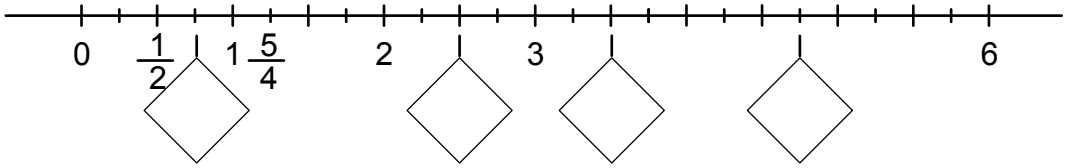
b) cijeli broj



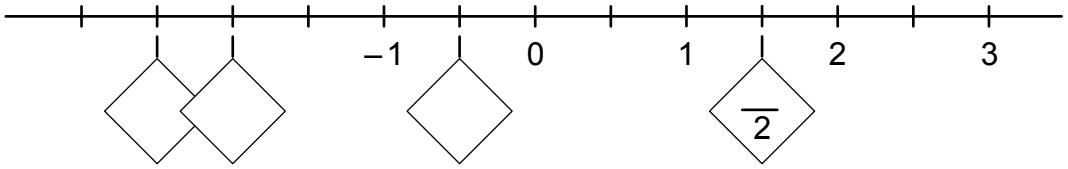
c) pozitivni racionalni broj



d) pozitivni racionalni broj

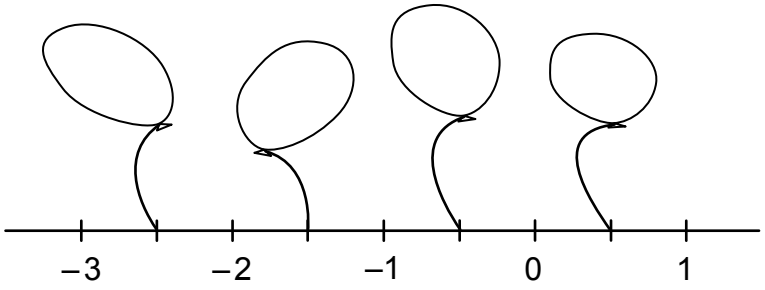


e) racionalni broj

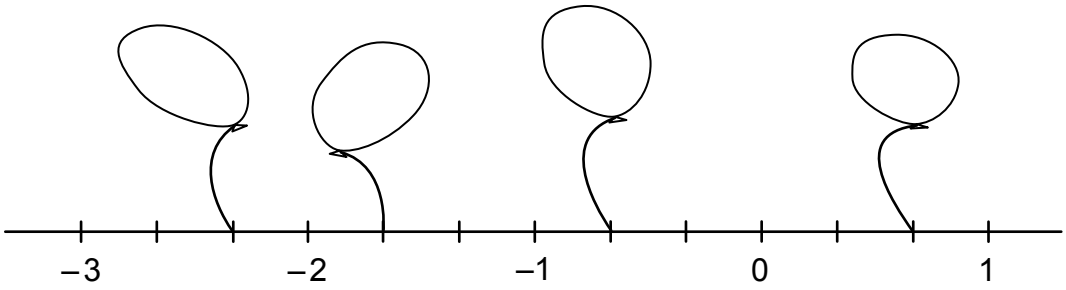


2. **Napiši** u balon odgovarajući racionalni broj.

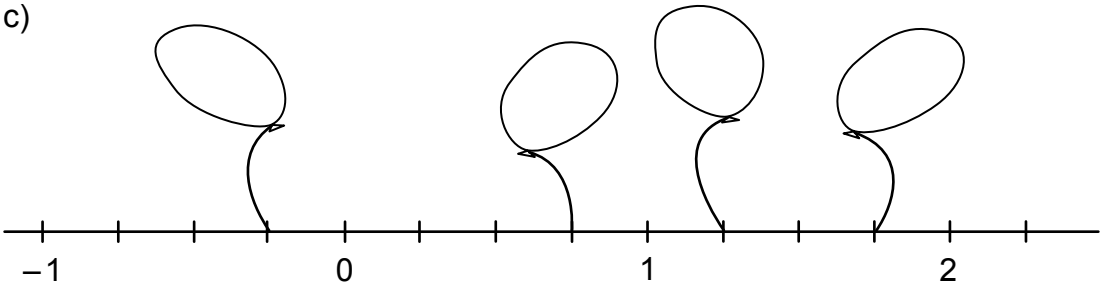
a)



b)



c)



27. USPOREĐIVANJE RACIONALNIH BROJEVA

27. NASTAVNI LISTIĆ

1. **Usporedi** razlomke.

a) $\frac{1}{4} \bigcirc \frac{3}{4}$ (<)

b) $\frac{3}{4} \bigcirc \frac{1}{4}$

c) $\frac{6}{5} \bigcirc \frac{2}{5}$

d) $\frac{5}{7} \bigcirc \frac{2}{7}$

e) $\frac{1}{2} \bigcirc 2$

f) $1 \bigcirc \frac{1}{2}$

2. **Usporedi**.

a) $-\frac{1}{7} \bigcirc \frac{3}{7}$ (<)

$-1 \bigcirc 3$ (<)

b) $-\frac{3}{5} \bigcirc -\frac{1}{5}$

$-3 \bigcirc -1$

c) $-\frac{6}{5} \bigcirc \frac{2}{5}$

$-6 \bigcirc 2$

d) $\frac{5}{11} \bigcirc -\frac{2}{11}$

$5 \bigcirc -2$

3. **Proširi** odgovarajući razlomak pa brojeve u**sporedi**.

a) $-\frac{1}{6} \bigcirc \frac{1}{3}$ (<)

$-\frac{1}{6} \bigcirc \frac{\quad}{6}$ (<)

b) $-\frac{3}{5} \bigcirc -\frac{1}{10}$

$-\frac{\quad}{10} \bigcirc -\frac{1}{10}$

c) $-\frac{1}{2} \bigcirc \frac{3}{4}$

$-\frac{\quad}{4} \bigcirc \frac{3}{4}$

d) $\frac{5}{8} \bigcirc -\frac{3}{4}$

$\frac{5}{8} \bigcirc -\frac{\quad}{8}$

28. ZBRAJANJE I ODUZIMANJE RACIONALNIH BROJEVA

1. **Zbroji**.

a) $\frac{1}{5} + \frac{3}{5} = \frac{1+3}{5} = \frac{4}{5}$

b) $\frac{2}{5} + \frac{1}{5} = \frac{\quad}{5} = \_\_\_\_$

c) $\frac{4}{7} + \frac{2}{7} =$ _____

d) $\frac{2}{5} + \frac{1}{5} =$ _____

e) $\frac{4}{9} + \frac{1}{9} =$ _____

2. **Oduzmi**.

a) $\frac{1}{5} - \frac{3}{5} = \frac{1-3}{5} = -\frac{4}{5}$

b) $\frac{2}{5} - \frac{1}{5} = \frac{\quad}{5} = \_\_\_\_$

c) $\frac{4}{7} - \frac{2}{7} =$ _____

d) $\frac{2}{5} - \frac{1}{5} =$ _____

e) $\frac{4}{9} - \frac{7}{9} =$ _____

3. **Izračunaj**.

a) $\frac{1}{2} + \frac{1}{4} = \frac{1 \cdot 2}{4} + \frac{1}{4} = \frac{2}{4} + \frac{1}{4} = \frac{3}{4}$

b) $\frac{2}{3} - \frac{1}{6} =$ _____

c) $\frac{7}{10} + \frac{2}{5} =$ _____

d) $\frac{1}{2} - \frac{2}{3} = \frac{1 \cdot 3}{2 \cdot 3} - \frac{2 \cdot 2}{3 \cdot 2} = \frac{3}{6} - \frac{4}{6} = -\frac{1}{6}$

e) $\frac{3}{4} - \frac{1}{3} =$ _____

4. **Izračunaj**.

a) $-\frac{2}{5} - \frac{3}{4} = -\frac{2 \cdot 4}{5 \cdot 4} - \frac{3 \cdot 5}{4 \cdot 5} = -\frac{8}{20} - \frac{15}{20} = \frac{-8-15}{20} = -\frac{23}{20}$

b) $-\frac{3}{4} - \frac{5}{8} =$ _____

c) $-\frac{2}{3} + \frac{1}{2} =$ _____

d) $-\frac{1}{2} + \frac{1}{4} =$ _____

e) $-\frac{1}{2} - \frac{5}{4} =$ _____