PONEDJELJAK (16. ožujka 2020.) – 7.a, 7.b

1. Usporedi sljedeće racionalne brojeve.
2. $-\frac{2}{3} i \frac{4}{5}$ b) $-\frac{4 }{7} i-\frac{1}{3}$

 $-\frac{10}{15}< \frac{12}{15}$ $-\frac{12}{21}<-\frac{7}{21}$

1. Prikaži na brojevnom pravcu racionalne brojeve: $-\frac{3}{5} , \frac{2}{5} , -\frac{1}{5} , \frac{4}{5}$.
2. Izračunaj:
3. $-\frac{4}{5}+\frac{1}{2}=\frac{-8+5}{10}=\frac{-3}{10}$ c) $-\frac{2}{3}-\frac{1}{2}=\frac{-4-3}{6}=\frac{-7}{6}$
4. $-\frac{1}{2}-\frac{1}{3}=\frac{-3-2}{6}=\frac{-5}{6}$ d) $\frac{1}{2}-\frac{2}{3}=\frac{3-4}{6}=\frac{-1}{6}$
5. Izračunaj:
6. $-\frac{2}{3}∙\frac{9}{14}=\frac{-3}{7}$ **b)** $-1\frac{2}{3}∙\left(-\frac{9}{25}\right)=-\frac{5}{3}∙\left(-\frac{9}{25}\right)=\frac{3}{5}$

Skratimo razlomke gdje god možemo!

1. Izračunaj:
2. $-\frac{4}{5} :\frac{8}{15}=\frac{-4}{5}∙\frac{15}{8}=\frac{-3}{2}=-1\frac{1}{2}$
3. $-\frac{7}{8} :\left(-\frac{21}{32}\right)=\frac{-7}{8}∙\left(-\frac{32}{21}\right)=\frac{4}{3}=1\frac{1}{3}$
4. $-1\frac{2}{5} :\left(-\frac{14}{15}\right)=-\frac{7}{5}∙\left(-\frac{15}{14}\right)=\frac{3}{2}$

Skratimo razlomke gdje god možemo!

1. Izračunaj: $\left(-\frac{3}{5}+\frac{1}{2}\right)∙\frac{2}{3}=\left(\frac{-6+5}{10}\right)∙\frac{2}{3}=\frac{-1}{10}∙\frac{2}{3}=\frac{-1}{15}$

UTORAK (17. ožujka 2020.) - 7.a, 7.b

1. Riješi jednadžbe i provjeri ispravnost rješenja:
2. $x+6=10$ Provjera: $4+6=10$

 $x=10-6$ $10=10$

 $x=4$

d) $x + 8 = –1$ Provjera: $-9+8=-1$

$x=-1-8$ $-9=-9$

 $x=-9$

1. Riješi jednadžbe:

a) $y-7.5=4.9$ b) $m-13.2=5.9$

 $y=4.9+7.5$ $m=5.9+13.2$

 $y=12.4$ $m=19.1$

1. Riješi jednadžbe:

a) $-4+x=6$ d) $y-3=0$ g) $-4-x=-3$

 $x=6-\left(-4\right)$ $y=3$ $-x=-3+4$

 $x=10$ $-x={1}/{:(-1)}$

 $x=-1$

1. Riješi jednadžbe:

a) $x+\frac{1}{3}=\frac{5}{6}$ d) $x-\frac{1}{2}=-\frac{1}{6}$ g) $a+0.2=-\frac{7}{10}$

 $x=\frac{5}{6}-\frac{1}{3}$ $x=\frac{-1}{6}+\frac{1}{2}$ $a=\frac{-7}{10}-0.2$

 $x=\frac{5-2}{6}$ $x=\frac{-1+3}{6}$ $a=\frac{-7}{10}-\frac{2}{10}$

 $x=\frac{3}{6}$ $x=\frac{2}{6}$ $a=\frac{-7-2}{10}$

 $x=\frac{1}{2}$ $x=\frac{1}{3}$ $a=\frac{-9}{10}$

SRIJEDA (18. ožujka 2020.) - 7.a ČETVRTAK (19. ožujka 2020.) – 7.b

1. Riješi jednadžbe:

a) ${2x = 8}/{:2}$ c) ${8x = –144}/{:8}$

 $x=4$ $x=-18$

2. Riješi jednadžbe:

|  |  |  |  |
| --- | --- | --- | --- |
| a) ${8x = 2}/{:8}$  |  | c) $ {–4x = 3}/{:(-4)} $ |  |

 $x=\frac{2}{8}$ $x=\frac{-3}{4}$

 $x=\frac{1}{4}$

5. Riješi jednadžbe:

|  |  |  |
| --- | --- | --- |
| 1. $2x – 8 = 0$

$${2x=8}/{:2}$$$$x=4$$ |  | 1. $4x – 5 = 0$

$${4x=5}/{:4}$$$$x=\frac{5}{4}$$ |

7.Riješi jednadžbe:

a) $2x + 1 =7$ b) $6 – 5x = –4$ c) $3x – 5 = 2$ d) $–4 – 3x = -2$

 $2x=7-1$ $-5x=-4-6$ $3x=2+5$ $-3x=-2+4$

 $2x={6}/{:2}$ $-5x={-10}/{:(-5)}$ $3x=7$ $-3x={2}/{:(-3)}$

 $x=3$ $x=2$ $x=\frac{7}{3}$ $x=\frac{-2}{3}$

PETAK (20. ožujka 2020.) – 7.a, 7.b

1. Riješi jednadžbe:

|  |  |  |
| --- | --- | --- |
| a) $2x = x + 5$ |  | c) $3x = 2x – 1$ |

 $2x-x=5$ $3x-2x=-1$

 $x=5$ $x=-1$

3. Riješi jednadžbe:

|  |  |  |
| --- | --- | --- |
| a) $3x + 2 – 2x = 6$ |  |  |

 $3x-2x=6-2$

 $x=4$

e) $2x – 12 – 4x = –9 – 3x$

 $2x-4x+3x=-9+12$

 $x=3$

4. Riješi jednadžbe:

|  |  |  |
| --- | --- | --- |
| a) $10x – 7 + 5x = 33 + 5x$ |  |  |

 $10x+5x-5x=33+7$

 ${10x=40}/{:10}$

 $x=4$

d) $7a + 10 – a = –3a – 10 + 5a$

$$7a-a+3a-5a=-10-10$$

$${4a=-20}/{:4}$$

$$a=-5$$

5. Riješi jednadžbe:

|  |  |
| --- | --- |
| a) $8 – 2x + 3 = x – 1 – 4x + 6$ | c) $0.2x + 2 = 0.7x – 3$ |

 $-2x-x+4x=-1+6-8-3$ $\frac{2}{10}x+2=\frac{7}{10}x-3$

 $x=-6$ $\frac{2}{10}x-\frac{7}{10}x=-3-2$

 ${\frac{-5}{10}x=-5}/{∙\left(\frac{-10}{5}\right)}$

 $x=10$