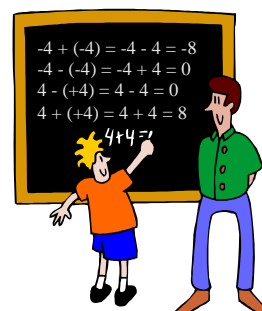


Zbrajanje i oduzimanje racionalnih brojeva - zadaci za DZ

1. Prepiši i dopuni:

- a) Brojeve jednakih predznaka zbrajamo tako da...
Npr. $-28-7 = \underline{\quad}$, $-16-16 = \underline{\quad}$
- b) Brojeve različitih predznaka zbrajamo tako da...
Npr. $-59+8 = \underline{\quad}$, $-48+52 = \underline{\quad}$, $17-21 = \underline{\quad}$, $18-16 = \underline{\quad}$
- c) Zbroj suprotnih brojeva je $\underline{\quad}$.
Npr. $-36+36 = \underline{\quad}$, $49-49 = \underline{\quad}$
- d) Kad neki broj zbrajamo s nulom, dobivamo...
Npr. $-7+0 = \underline{\quad}$, $0-9 = \underline{\quad}$, $6-0 = \underline{\quad}$, $8+0 = \underline{\quad}$
- e) Plus ispred zagrade nam govori da ...
Npr. $-38+(-22) = \underline{\quad}$, $47+(-50) = \underline{\quad}$, $-78+(+100) = \underline{\quad}$
- f) Minus ispred zagrade nam govori da ...
Npr. $83-(-89) = \underline{\quad}$, $-76-(-76) = \underline{\quad}$, $-45-(+45) = \underline{\quad}$, $-172-(-200) = \underline{\quad}$



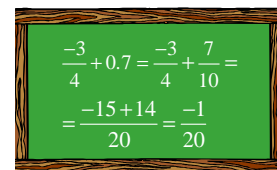
2. Izračunaj:

- | | | | |
|---------------|------------------|----------------|---------------------|
| a) $-18 + 9$ | d) $-14 + (-11)$ | g) $-63 - 63$ | j) $-(-23) + (-30)$ |
| b) $-45 - 10$ | e) $-14 - (-11)$ | h) $-63 + 63$ | k) $-(-23) - (-30)$ |
| c) $62 - 70$ | f) $-63 - 0$ | i) $-76 - 120$ | l) $-200 - (+800)$ |

3. Izračunaj:

- | | | | | |
|---------------------------------|------------------------|----------------------------------|---------------------------------|------------------------------------------------|
| a) $-\frac{5}{6} - \frac{7}{9}$ | b) $-2 + \frac{23}{7}$ | c) $1\frac{1}{6} - 1\frac{1}{2}$ | d) $\frac{6}{9} - 2\frac{1}{3}$ | e) $-\frac{8}{7} - \frac{1}{2} - \frac{5}{14}$ |
|---------------------------------|------------------------|----------------------------------|---------------------------------|------------------------------------------------|

4. Izračunaj: a) $0.8 - \frac{3}{5}$ b) $3.12 - 3\frac{1}{3}$ c) $-1\frac{4}{5} - 2.2$ d) $-4.1 + 2\frac{2}{4}$



5. Izračunaj bez pretvaranja u razlomke:

- | | | | |
|------------------|-------------------|--------------------|----------------------------|
| a) $-3.97 - 8.1$ | c) $-4.6 + 0.2$ | e) $-6.72 + 36.72$ | g) $6.2 - 7$ |
| b) $3.97 - 8.1$ | d) $-78.3 + 9.27$ | f) $-132 + 47.93$ | h) $-7.2 - 72 - 3.93 - 10$ |

6. Izračunaj:

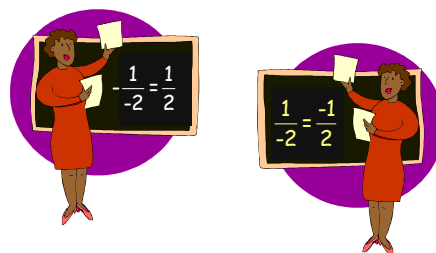
- | | | | |
|---------------------------------------------------|------------------------------|---------------------------------|----------------------------|
| a) $-\frac{3}{4} + \frac{1}{3} - \frac{1}{2} + 1$ | b) $-2 - 1\frac{1}{3} - 0.7$ | c) $-1.03 - 1.5 + \frac{1}{50}$ | d) $-0.5 - 0.25 + 0.3 + 1$ |
|---------------------------------------------------|------------------------------|---------------------------------|----------------------------|

7. Prepiši i dopuni:

- a) U razlomku, paran broj minusa daje $\underline{\quad}$.

Npr. $-\frac{-7}{9} = \underline{\quad}$, $\frac{-4}{-11} = \underline{\quad}$

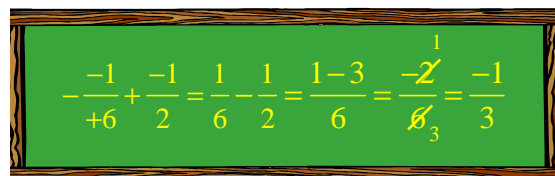
- b) U razlomku, neparan broj minusa daje $\underline{\quad}$.
Sam napiši dva primjera.



8. Sredi minuse: a) $-\frac{-9}{-10} = \underline{\quad}$ b) $\frac{-6}{-7} = \underline{\quad}$ c) $-\frac{32}{-33} = \underline{\quad}$ d) $\frac{7}{-11} = \underline{\quad}$

9. Izračunaj:

- | | | |
|-------------------------------------------------------|--------------------------------------------------|----------------------------------------|
| a) $-\frac{2}{-3} + \frac{-4}{5}$ | d) $\frac{6}{-5} - 1\frac{2}{3} - (-0.2) + (+1)$ | g) $-7.25 - (-3.501) + (-2.3) - (+10)$ |
| b) $-\frac{-4}{-5} - (+0.2)$ | e) $\frac{-2}{-3} + (-0.75) + \frac{2}{-3}$ | |
| c) $-0.3 + \left(-1\frac{2}{5}\right) - \frac{-3}{2}$ | f) $-\frac{-1}{3} - \frac{5}{+6} - 0.5 + 7$ | |



Spjalica

Rješenja od 2. do 6 zadatka redom
pospajaj (ravnim crtama – ravnalom!),
pa ćeš dobiti zgodnu sličicu.

Dakle, rješenje 2.a zadatka spoji sa
rješenjem 2. b zadatka, zatim rješenje 2. b
zadatka spoji sa rješenjem 2. c zadatka i
tako dalje sve do 6. d zadatka.

Na kraju spoji zadnje rješenje sa
početnim (od 6.d i 2.a zadatka).

Što si dobio?

