Številske množice. Računske operacije.

Učbenik OD ROVAŠA DO ENAČB: matematika za prvi letnik tehniških in drugih strokovnih šol/ Dušan Kavka…, Modrijan 2003
Stran / naloge:
12 / 1 – 10, **13** / 11, 12, **16** / 30 – 33, **17** / 34 – 40, **60** / 186, **68** / 203, 208, 209, **61** / 218, 228, **70** / 235, 243, 245.

Poenostavite izraze:
Naloge reši brez uporabe kalkulatorja, nato preveri rešitev s kalkulatorjem.

1. $\left((2+3\cdot 4)\cdot 2-1\cdot 3\right)+(2\cdot(-3)+4\cdot 7)$ [47]
2. $3\cdot(-4)-\left(\left(9-7\cdot(-4)\right)+(+4)(-6)\right)(3-6)$ [27]
3. $(-3)-\left((12-5)-\left((-2-5)+(8-3-7)+4\right)\right)-(4-6)$ [-13]
4. $\frac{(-5)(+7)-(+9)-(-20):5}{(-10)+(-6):(-3)}$ [5]
5. $\frac{(-4)\cdot 5-(-9)-(-40):8}{-7+(-6):(-2)}$ $[\frac{3}{2}]$
6. $\left(\frac{16}{3}-\frac{11}{4}\right)\cdot\frac{4}{3}$ $[\frac{31}{9}]$
7. $3\frac{3}{5}\cdot 1\frac{3}{4}:4\frac{1}{5}$ $[\frac{3}{2}]$
8. $\left(7\frac{1}{3}-3\frac{3}{5}\right)\cdot 1\frac{1}{4}+2\frac{5}{8}:3\frac{3}{4}$ $[\frac{161}{30}]$
9. $\frac{\frac{5}{6}-\frac{3}{4}}{1+\frac{5}{6}\cdot\frac{3}{4}}$ $[\frac{2}{39}]$

Dodatne naloge:

Poenostavi izraze:

1. $2+3\,(5-4\,(3+3-2\cdot 5)+1-2\,(1-2))-4=$
2. $5-4\,(3-2\,(1+3\cdot 2-1)+2\cdot 3)+25\cdot 2=$
3. $\dfrac{\frac{1}{3}-\frac{3}{4}:\frac{6}{7}}{1\frac{7}{8}}=$
4. $\frac{1}{2}-\frac{2}{3}\left(\frac{3}{4}-\frac{4}{5}\left(\frac{5}{6}-\frac{5}{8}\right)\right)=$
5. $3\frac{3}{5}\cdot 2\frac{1}{12}-\left(3\frac{3}{8}+1\frac{5}{6}\right):3\frac{1}{8}=$
6. $\frac{1}{2}-\frac{2}{3}\left(\frac{3}{4}-\frac{4}{5}\left(\frac{5}{6}-\frac{5}{8}\right)\right)=$
7. $\frac{2}{3}\left(\frac{4}{5}\left(\frac{5}{8}-\frac{5}{6}\right)-\frac{3}{4}\right)-\frac{1}{2}=$