**MAT DOP 6. RAZRED – rešitve**

**UTRJEVANJE ZNANJA**

1. Izpolni preglednici.

|  |  |  |  |
| --- | --- | --- | --- |
| $$a$$ | $$b$$ | $$c$$ | $$a+b+c$$ |
| $$13 654$$ | $$22 341$$ | $$4 015$$ | $$40 010$$ |
| $$211 011$$ | $$190 991$$ | $$10 999$$ | $$413 001$$ |
| $$377 708$$ | $$49 999$$ | $$36 666$$ | $$464 373$$ |

|  |  |  |  |
| --- | --- | --- | --- |
| **potenca** | **osnova** | **stopnja** | **vrednost potence** |
| $$2^{6}$$ | $$2$$ | $$6$$ | $$64$$ |
| $$3^{4}$$ | $$3$$ | $$4$$ | $$81$$ |
| $$2^{7}$$ | $$2$$ | $$7$$ | $$128$$ |
| $$7^{2}$$ | $$7$$ | $$2$$ | $$49$$ |
| $$6^{3}$$ | $$6$$ | $$3$$ | $$216$$ |

2. Izračunaj.

a) $\left(243-162\right) :3=$ b) $\left(1748+2166\right) :38=$

 $=81 :3=$$=3914 :38=$

$=27$$=103$

c) $3∙\left(21-4∙3\right)+3=$ č) $7∙5-\left(20-1\right)=$

$=3∙\left(21-12\right)+3=$$=35-19=$

$=3∙9+3=$$=16$

$=27+3=$

$=30$

d) $12∙\left(87-7∙3\right)-\left(90-4∙6\right)∙5=$ e) $5252 :13 : \left(52 :13\right)=$

 $=12∙\left(87-21\right)-\left(90-24\right)∙5=$$=404 :4=$

$=12∙66-66∙5=$$=101$

$=792-330=$

$=462$

f) $\left(128-7∙12\right) :4+3=$

$=\left(128-84\right) :4+3=$

$=44 :4+3=$

$=11+3=$

$=14$

3. Zapiši izraz po besedilu in izračunaj njegovo vrednost.

H količniku števil $32$ in $8$ prištej število $12$.

$$32 :8+12=$$

$$=4+12=$$

$$=16$$

Od števila $60$ odštej zmnožek števil $3$ in $7$.

$$60-3∙7=$$

$$=60-21=$$

$$=39$$

Seštej $600$ in količnik števil $270$ in $30$.

$$600+270 :30=$$

$$=600+9=$$

$$=609$$

Od števila $100$ odštej količnik števil $42$ in $6$.

$$100-42 :6=$$

$$=100-7=$$

$$=93$$

4. Decimalno število zapiši z desetiškim ulomkom.

a) $0,8=\frac{8}{10}$ b) $0,04=\frac{4}{100}$ c) $2,7=2\frac{7}{10}$

č) $3,09=3\frac{9}{100}$ d) $18,832=18\frac{832}{1000}$ e) $124,037=124 \frac{37}{1000}$

f) $5,008=5\frac{8}{1000}$g)$0,0068=\frac{68}{10 000}$h) $1,007=1\frac{7}{1000}$

5. Deli in rezultat zaokroži na desetine.

a) $8,6 :1,2=86 :12=7,1666…≐7,2$

b) $12,3 :0,24=1230 :24=51,25≐51,3$

c) $40,25 :1,6=25,1562…≐25,2$

d) $182,832 :0,07=18283,2 :7=2611,8857…≐2611,9$

6. Izračunaj vrednost številskih izrazov.

a) $4,3+2,8∙3,4=$ b) $6,4 :0,02+6,2∙4,6=$

$=4,3+9,52=$$=640 :2+28,52=$

$=13,82$$=320+28,52=$

$=348,52$

c) $15,2-3,6∙0,8=$ č) $7,3+2,4∙\left(8,5-6,8\right)=$

$=15,2-2,88=$$=7,3+2,4∙1,7=$

$=12,32$$=7,3+4,08=$

$=11,38$