**Ispravak prve pisane provjere znanja za prvi razred 2018 ( do 3 )**

**A skupina**

Ime , prezime i razred\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Bodovi\_\_\_\_\_\_\_\_\_\_\_\_

Datum\_\_\_\_\_\_\_\_\_\_\_\_ Ocjena\_\_\_\_\_\_\_\_\_\_\_\_

1. Izračunaj: $a) 5+9:\left(-7+4 \right)-5∙\left(-4\right)=$

$b) \frac{2}{5}+1.25:3\frac{3}{4}-3\frac{1}{5}:1.6 $=

$ $

1. a) Na brojevnom pravcu predstavi brojeve: $- \sqrt{2} , -\sqrt{25} ,\frac{7}{4} , 2.\dot{8} , \frac{26}{13}, -\frac{7}{3}$

b) Napiši kojem skupu brojeva pripadaju.

**N \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , Z \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , Q \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ,**

**I** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , **R** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Zadane razlomke zapiši u decimalnom obliku: $ \frac{5}{8} , \frac{7}{12} $ ,

$\frac{5}{8}=$\_\_\_\_\_\_\_\_ , $\frac{7}{12}=$\_\_\_\_\_\_\_\_\_ .

1. Izračunaj: $a) 28\% od 1\frac{1}{7} $

$ b) 35\% od kojeg broja je 7$

1. Izračunaj:

$a) 3a^{6}-4a^{5}-5a^{6}+a^{4}-a^{3}+a$ =

 b) $4∙4^{-5}∙4^{6} = $

$ c) 5^{-4}:\left(5^{-9}: 5^{-3}\right)$=

$$d) \left(\frac{7}{8}\right)^{-3}:\left(1\frac{5}{16}\right)^{-3}$$

1. Izračunaj:

$$a) \left(b^{-3}\right)^{4}: \left(b^{-2}\right)^{5}=$$

$$b)\left(0.5\right)^{-6}∙8^{3}:64^{2}=$$

$$c)\frac{3^{-2}+3^{-1}-3^{0}}{3^{-2}-3^{-1}-3^{-3}}=$$

1. Izračunaj:

$$a) \left(\frac{3}{5}x^{5}y^{6}z\right):\left(-\frac{6}{25}x^{5}y^{3}z^{-2}\right)=$$

b) $\frac{38a^{6} b^{8}c^{-4}}{57a^{3} b^{4}c }$

1. Napiši u obliku znanstvenog zapisa rezultat:

$$ a) 5 800 000 ∙1.5∙10^{-3}=$$

$$ b) 0.0523∙10^{-5}=$$

**Ispravak prve pisane provjere znanja za prvi razred 2018 ( do 3 )**

**B skupina**

Ime , prezime i razred\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Bodovi\_\_\_\_\_\_\_\_\_\_\_\_

Datum\_\_\_\_\_\_\_\_\_\_\_\_ Ocjena\_\_\_\_\_\_\_\_\_\_\_\_

1. Izračunaj: $a)-6-12:\left(-12+8 \right)-3∙\left(-5\right)=$

$b) \frac{5}{6}+0.125∙1\frac{1}{3}-1.8 : \frac{2}{3}$=

$ $

1. a) Na brojevnom pravcu predstavi brojeve: $ \sqrt{2} , -\sqrt{36} ,\frac{8}{3} , 4.\dot{2} , \frac{28}{7}, -\frac{9}{2}$

b) Napiši kojem skupu brojeva pripadaju.

**N \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , Z \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , Q \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ,**

**I** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , **R** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Zadane razlomke zapiši u decimalnom obliku: $ \frac{5}{6} , \frac{15}{4} $ ,

$\frac{5}{6}=$\_\_\_\_\_\_\_\_ , $\frac{15}{4}=$\_\_\_\_\_\_\_\_\_ .

1. Izračunaj: $a) 32\% od 2\frac{1}{8} $

$ b) 48\% od kojeg broja je 12$

1. Izračunaj:

$a)-2x^{5}-5x^{4}+4x^{4}+x^{5}-x^{2}$ =

 b) $3^{-3}∙3^{-4}∙3^{9} = $

$ c) 2^{-6}:\left(2^{-12}: 2^{-4}\right)$=

$$d) \left(\frac{3}{4}\right)^{4}:\left(1\frac{1}{8}\right)^{4}$$

1. Izračunaj:

$$a) \left(y^{-5}\right)^{-3}: \left(y^{-2}\right)^{3}=$$

$$b)\left(\frac{1}{125}\right)^{-4}∙25^{-4}:0.04^{-3}=$$

$$c)\frac{\left(\frac{2}{3}\right)^{-2}+\left(\frac{3}{4}\right)^{-1}-\left(3\frac{17}{25}\right)^{0}}{\left(\frac{3}{2}\right)^{2}+\left(\frac{2}{3}\right)^{-3}-\left(\frac{8}{37}\right)^{-1}}=$$

1. Izračunaj:

$$a) \left(-\frac{5}{8}a^{-6}b^{8}c^{3}\right):\left(\frac{15}{16}a^{-12}b^{4}c\right)=$$

b) $\frac{46x^{-2} y^{6}z^{4}}{69x^{3} y^{6}z }$

1. Napiši u obliku znanstvenog zapisa rezultat:

$$ a) 3 500 000 000∙2.4∙10^{-3}=$$

$$ b) 0.00000734∙10^{4}=$$