MATEMATIKA-PISNO PREVERJANJE ZNANJA

**(Deli celote/Pisno deljenje/Enačbe in neenačbe/Številski izrazi/Potence)**

Ime in priimek \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Datum: **15.5.2020**

**\*1. Zmnožek enakih faktorjev zapiši v obliki potence oz. potence zapiši kot zmnožek enakih faktorjev in izračunaj vrednost potence. V prvem stolpcu s potencami, z rdečo barvico obkroži osnovo potence, z modro pa stopnjo potence. Nato potence razvrsti po velikosti, od najmanjše do največje:**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| POTENCA | ZMNOŽEK ENAKIH FAKTORJEV | VREDNOST POTENCE |
| 3³ |  |  |
|  | 2 ∙ 2 ∙ 2 ∙ 2 |  |
| 6² |  |  |
|  |  | 1 000 000 |

**2. Zapiši račun v obliki POTENCE in izračunaj vrednost potence!**

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Na vrtu imajo pripravljenih **10 gredic** za paradižnik. Na vsako gredico bodo posadili **10 sadik**. Od vsake sadike pričakujejo **10 paradižnikov**. Koliko paradižnikov lahko pričakujejo na celem vrtu?

Račun:

Odgovor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**3.** **Izračunaj številske izraze! Pazi na vrstni red!**

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1. • 10 + 64 : 8 – 120 : 6 =

1000 : 8 – 25 : 5 + 2 • (34 – 24)=

 **\*** 9 + 2 • (10 - 4) =

**4.** **Zapiši spodnji ŠTEVILSKI IZRAZ in ga izračunaj.** Katero število dobiš?

Številu 900 prištej količnik števil 30 in 2!

Račun:

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Odgovor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**6. Reši enačbi in napravi preizkus.**

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**\*** a) 3 · x = 12 pr.:

 x = \_\_\_\_\_\_\_\_\_\_\_\_

 x = \_\_\_\_\_\_\_\_\_\_\_\_

 \* b) x - 134 = 208 pr.:

 x = \_\_\_\_\_\_\_\_\_\_\_

 x = \_\_\_\_\_\_\_\_\_\_\_

**7. Reši spodnjo neenačbo (v obsegu naravnih števil z 0).**

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| 1 |  |

1. + x < 9 x = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**\*8. Izračunaj del od celote oz. celoto.**

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⅛ od 64 = \_\_\_\_\_ , ker je \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

⅜ od 32 =\_\_\_\_\_ , ker je \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

¼ hl = \_\_\_\_\_\_\_l , ker je \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

¾ h = \_\_\_\_\_\_ min, ker je \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

$\frac{1}{7}$ od \_\_\_\_\_\_\_\_\_ = 9, ker je \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

$\frac{3}{8}$ od \_\_\_\_\_\_\_\_\_ = 33, ker je \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**\*9. Obkroži ustrezen del kroglic in zapiši z ulomkom**.

 tri petine \_\_\_\_ dve četrtini \_\_\_ dve tretjini \_\_\_

**10. Reši besedilno nalogo.** *Račune zapiši v obliki delov celote.*

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Povprečni dan učenca poteka takole: spi 3/8 dneva, delo v šoli traja 1/6 dneva, za domače učenje porabi 1/12 dneva, ostalo pa za oddih. Koliko ur mu ostane za oddih?

Računi:

Odgovor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11. **Izračunaj in napravi preizkus.**

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 **\* Preizkus:**

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| 4 | 8 | 3 | 8 | : | 7 | = |  |   |  |  |  |
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| 5 | 9 | 0 | 8 | 0 | : | 4 | 0 | = |  |  |  |
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| 5 | 1 | 4 | 3 | 2 | : | 3 | 7 | = |  |  |  |
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VSEH TOČK: 43 DOSEGEL: \_\_\_\_\_\_\_\_\_\_

\*naloge označene z zvezdico so minimalni standardi znanja