

PRIMERI – DO MEDALJ

ZELEN

$$3. (a) 100 = 10^2$$

$$(b) 8000 = 8 \cdot 10^3$$

$$4. 3^2 \cdot 3^3 = 3^{2+3} = 3^5 = 3 \cdot 3 \cdot 3 \cdot 3 \cdot 3 = 243$$

$$\left(-\frac{4}{9}\right)^3 \cdot \left(\frac{1}{4}\right)^3 = \left(-\frac{4}{9} \cdot \frac{1}{4}\right)^3 = \dots$$

$$5. 36^3 : 12^3 = (36 : 12)^3 = \dots$$

$$0,4^9 : 0,4^6 = 0,4^{9-6} = 0,4^3 = \dots$$

MODER

$$1. a \cdot a \cdot a \cdot a \cdot a \cdot a \cdot a \cdot a \cdot a = a^9$$

$$3. 256 = 2^8$$

$$5. 2^{4+3} = 2^4 \cdot 2^3$$

$$6. 8 \cdot 10^4 \cdot 9 \cdot 10^3 = 8 \cdot 9 \cdot 10^4 \cdot 10^3 = 72 \cdot 10^7 = \\ = 7200000000$$

RDEČ

$$1. 27000 = 27 \cdot 1000 = 3^3 \cdot 10^3 = 3^3 \cdot (5 \cdot 2)^3 = 3^3 \cdot 5^3 \cdot 2^3$$

ali

27000		2
13500		2
6750		2
3375		3
1125		3
375		3
125		5
25		5
5		5
1		

$$3. (a) b^3 \cdot b \cdot b^4 : b^3 = \\ = b^{3+1+4-3} = b^5$$

$$5. 4^2 + 2^4 = \underline{4 \cdot 4} + \underline{2 \cdot 2 \cdot 2 \cdot 2} = \\ = 16 + 16 = 32$$