



İŞLEM BECERİLERİ – 16 (CEVAP)

ÖRNEKLER

- $2^{-3} = \frac{1}{2^3} = \frac{1}{8}$ (1/8 olarak da yazılabilir)
- $4^{-2} = \frac{1}{4^2} = \frac{1}{16}$ (1/16 olarak da yazılabilir)
- $3^{-1} = \frac{1}{3^1} = \frac{1}{3}$
- $2^{-1} + 3^{-1} = \frac{1}{2} + \frac{1}{3} = \frac{5}{6}$

- $5^{-1} = 1/5$
- $3^{-2} = 1/9$
- $2^{-1} + 4^{-1} = 3/4$
- $3^{-2} + 1 = 10/9$
- $5 - 2^{-1} = 9/2$
- $2^{-1} - 5^{-1} = 3/10$
- $4^{-2} - 5^{-1} = -11/80$
- $3 - 3^{-1} = 8/3$
- $(1 + 3^2)^{-1} = 1/10$
- $[(5 - 1)^2 - 12]^{-2} = 1/16$

ÖRNEKLER

- $(2^3)^4 = 2^{3 \cdot 4} = 2^{12}$
- $(3^2)^3 = 3^6$
- $16^5 = (2^4)^5 = 2^{20}$
- $(3^3)^2 \cdot 3^4 = 3^{10}$
- $27^2 = 3^6$
- $(5^2)^2 = 5^4$
- $(2^{12})^2 = 2^{24}$
- $2^2 \cdot (2^3)^3 = 2^{11}$
- $(4^2)^4 \cdot 2^{12} = 2^{28}$
- $25^4 = 5^8$
- $81^5 = 3^{20}$

ÖRNEKLER

- $\frac{2^{12}}{2^3} = 2^{12-3} = 2^9$
- $3^4 : 3^1 = 3^3$
- $16^3 : 2^4 = (2^4)^3 : 2^4 = 2^{12} : 2^4 = 2^8$

- $3^4 : 3^2 = 3^2$
- $2^{12} : 2^4 = 2^8$
- $5^{11} : 5 = 5^{10}$
- $(2^5 : 2^2) \cdot 2^5 = 2^8$
- $4^3 : 2^2 = 2^4$
- $25^4 : 5^3 = 5^5$
- $81 : 3^2 = 3^2$
- $(5^4 \cdot 5^3) : 5^7 = 1$
- $2^{22} : 2 = 2^{21}$

KARIŞIK ALIŞTIRMALAR

- $2^2 + 3^2 = 13$
- $5 - 4 : 2 = 3$
- $(5 - 2^2) \cdot (5 + 2^2) = 9$
- $3 + 3^2 - 4 - 2^3 = 0$
- $2^2 \cdot 2^4 = 2^6 = 64$
- $(3^4)^2 \cdot 3^3 = 3^{11}$
- $34 : (-3 - 14) = -2$
- $(-2) \cdot (-3) + 5 = 11$
- $5 - (-3) = 8$
- $3^3 \cdot 3^{12} = 3^{15}$
- $2^{12} : 4 = 2^{10}$
- $4 \cdot 8 \cdot 16 \cdot 32 = 2^{14}$
- $3 \cdot 9 \cdot 27 \cdot 81 = 3^{10}$
- $(7^2)^0 = 1$
- $(3^2)^3 \cdot 27 = 3^9$
- $4 \cdot 16 - 8^2 = 0$
- $(45 : 3)^0 - 16 = -15$
- $-1 - 2 - 3 = -6$
- $3 \cdot (34 : 17) - 2 = 4$
- $2^3 : 8 = 1$
- $4^{44} : 2^{22} = 2^{66}$
- $16^{12} : 64^2 = 2^{36}$
- $2^{22} - 2^{22} = 0$
- $a - a + 4^3 = 64$
- $4^2 - 17 = -1$
- $1 + 3 + 5 + 7 - 1 = 15$
- $16 + 17 + 18 = 51$
- $3^3 \cdot 3^4 \cdot 3^5 = 3^{12}$
- $5^{12} \cdot 3^{12} - 15^{12} = 0$
- $a^3 = 27$
- $4^a = 16$
- $4^x = 64$
- $x^5 = 32$
- $3a = 21$
- $5a - 3a = 0$
- $1 + 2^a = 17$
- $5 + 4^a = 21$
- $3 - 3 : 3 = 2$
- $5^a = 625$
- $5 + (-3) = 2$

- a = 3
- a = 2
- x = 3
- x = 2
- a = 7
- a = 0
- a = 4
- a = 2
- a = 4