8. SINIF MATEMATİK I. DÖNEM I. YAZILI BİLMEMİZ GEREKENLER

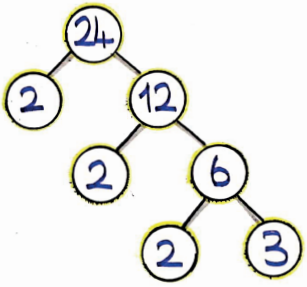
I. DÖNEM 1. YAZILI KONULARI

→ Çarpanlar ve Katlar

BİLMEMİZ GEREKENLER

> 40

1 . 40
2 . 20
3 . 10
4 . 8



Asal çarpanlar
2 ve 3

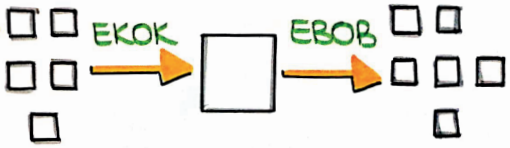
24	2
12	2
6	2
3	3
1	

$24 = 2^3 . 3$

> Aralarında asal sayılar

> a ve b aralarında asal ise

Ekok(a,b) = a.b Ebob(a,b) = 1

> 

> Ebob(a,b) . Ekok(a,b) = a.b

yazılı provası

I. DÖNEM 1. YAZILI KONULARI

→ Üslü İfadeler

→ Kareköklü İfadeler

BİLMEMİZ GEREKENLER

> $a^0 = 1$

$a^{-1} = \frac{1}{a}$

> $a^x . a^y = a^{x+y}$

$a^x . b^x = (a.b)^x$

> $(a^x)^y = a^{x.y}$

> $1 \leq a < 10$, n bir tam sayı → $a.10^n$ → Bilimsel gösterim

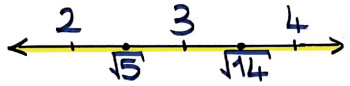
(negatif)$^{\text{çift}}$ = pozitif

(negatif)$^{\text{tek}}$ = negatif

$\frac{a^x}{a^y} = a^{x-y}$

$\frac{a^x}{b^x} = \left(\frac{a}{b}\right)^x$

> 1, 4, 9, 16, ...

> 

> $a\sqrt{b} = \sqrt{a^2 . b}$

> $2\sqrt{5} + 3\sqrt{5} - \sqrt{5} = (2+3-1)\sqrt{5} = 4\sqrt{5}$

> $2\sqrt{3} . 5\sqrt{2} = 2.5\sqrt{3.2} = 10\sqrt{6}$

> $\frac{\sqrt{50}}{\sqrt{10}} = \sqrt{\frac{50}{10}} = \sqrt{5}$