

YENİ SİSTEM

8. SINIF

KARE KÖKLÜ

İFADELERDE

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ÇARPMA BÖLME

# KAREKÖKLÜ SAYILARDA ÇARPMA

- $a\sqrt{x} \cdot b\sqrt{y} =$

DİKKAT:

- $\sqrt{9 \cdot 16} =$

- $\sqrt{9 + 16} =$

ÖRNEK:

- $\sqrt{2} \cdot \sqrt{2} =$

- $\sqrt{15} \cdot \sqrt{15} =$

- $\sqrt{6} \cdot \sqrt{24} =$

- $3\sqrt{2} \cdot 5\sqrt{7} =$

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# KAREKÖKLÜ SAYILARDA ÇARPMA

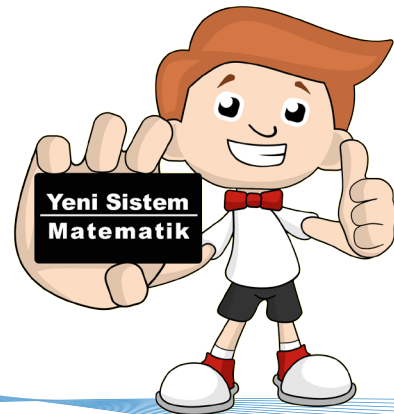
ÖRNEK:

- $4\sqrt{30}(2\sqrt{5} + 3\sqrt{2}) =$

ÖRNEK:

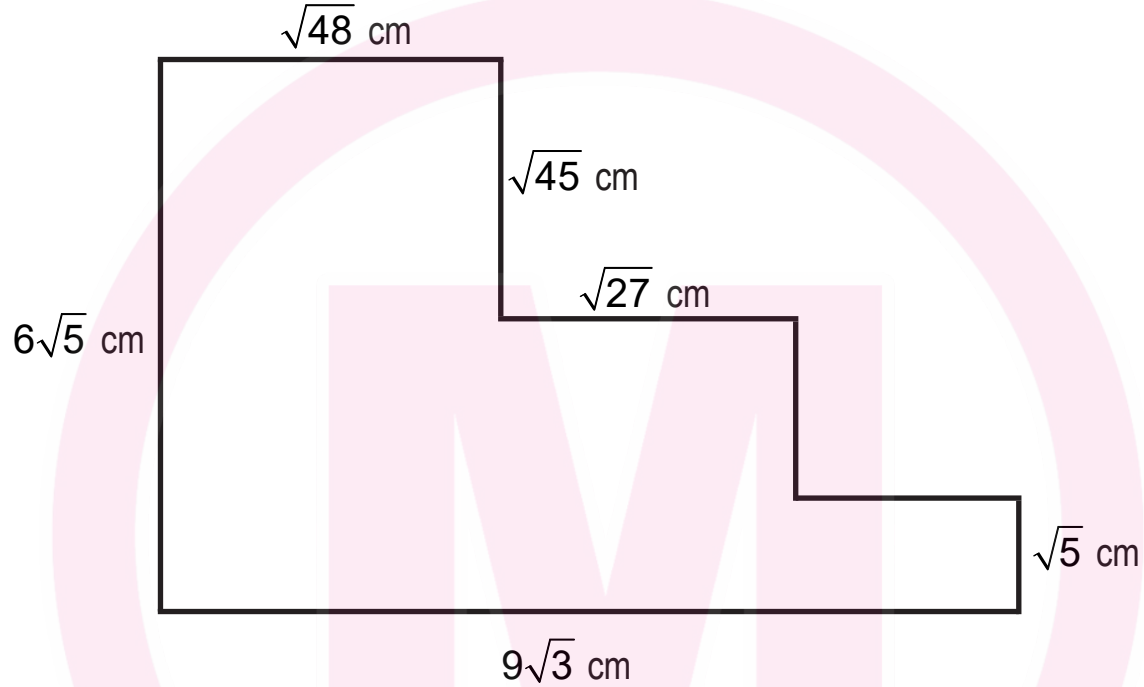
- $(3\sqrt{5} + \sqrt{2}) \cdot (\sqrt{5} - 4) =$

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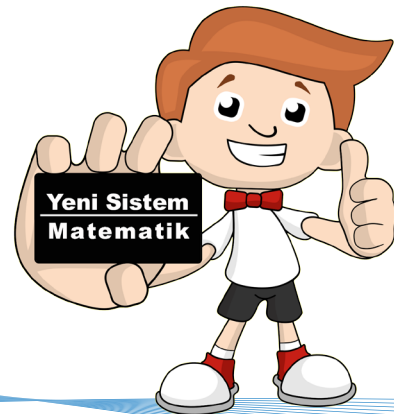
# KAREKÖKLÜ SAYILARDA ÇARPMA

ÖRNEK:



Tüm açıları  $90^\circ$  olan yularıdaki şeklin tüm alanı kaç santimetre karedir?

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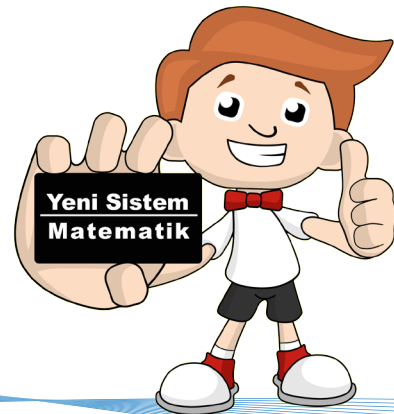
# KAREKÖKLÜ SAYILARDA ÇARPMA

SORU:

$\sqrt{18}$  sayısı hangi kareköklü sayı ile çarpılırsa sonuç doğal sayı olur?

- A)  $\sqrt{1}$
- B)  $\sqrt{2}$
- C)  $\sqrt{3}$
- D)  $\sqrt{5}$

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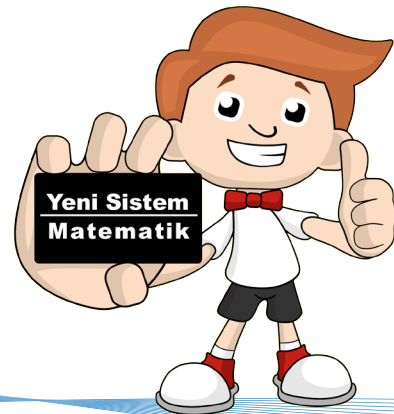
# KAREKÖKLÜ SAYILARDA ÇARPMA

SORU:

$3\sqrt{80}$  sayısı hangi kareköklü sayı ile çarpılırsa sonuç doğal sayı olur?

- A)  $5\sqrt{2}$
- B)  $4\sqrt{3}$
- C)  $\sqrt{5} + 1$
- D)  $3\sqrt{5}$

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# KAREKÖKLÜ SAYILARDA BÖLME

- $\frac{\sqrt{a}}{\sqrt{b}} =$

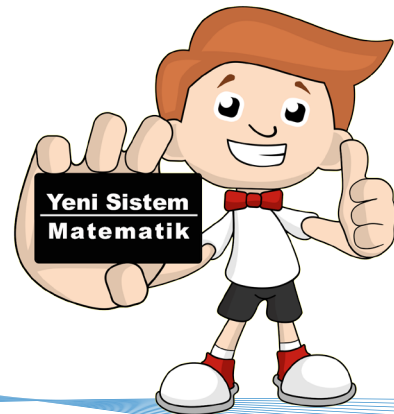
ÖRNEK:

- $\frac{\sqrt{48}}{\sqrt{3}} =$

- $\frac{20\sqrt{96}}{5\sqrt{16}} =$

- $\sqrt{\frac{49}{16}} =$

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# KAREKÖKLÜ SAYILARDA BÖLME

ÖRNEK:

$$\bullet \frac{\sqrt{300} - \sqrt{48}}{\sqrt{27}} =$$

ÖRNEK:

$$\bullet \frac{\sqrt{6} \cdot \sqrt{120}}{\sqrt{5}} =$$

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