

CEBİRSEL İFADELER

1.



Aşağıda verilen tabloyu doldurunuz.

Cebirsel ifade	Kat sayılar toplamı	Terim sayısı	Sabit terim
$2x + 4$			
$7x^2 - 10$			
$x^3 + 3x^2 - x$			
$4x - 6y + 1$			
$10a + 5b$			

2.

Benzer olan terimleri eşleştiriniz.

$3a$	$3a^3$
$-y^3$	$-9xy$
$7ab^3$	$-3ab^3$
$2xy$	$5a$
$6b$	$-b$
a^3	$4y^3$

3.



Aşağıdaki cebirsel ifadelerin değerlerini bulunuz.

$$a = 2 \text{ için, } 5a + 7 = \dots\dots\dots$$

$$x = 0 \text{ için, } 4x^2 - 2x + 10 = \dots\dots\dots$$

$$c = -1 \text{ için, } -3c^5 + 6c - 8 = \dots\dots\dots$$

$$x = 4 \text{ ve } y = -3 \text{ için, } 2x^2 + xy - 5xy^3 = \dots\dots\dots$$

4.

$$\text{✿} + \frac{3}{5} = \frac{3}{5} + \frac{7}{9}$$

$$\frac{2}{3} + \text{★} = \frac{2}{3}$$

$$\frac{5}{9} + \text{⬢} = 0$$

olduğuna göre ✿ + ★ + ⬢ kaçtır?

5.

Cebirsel ifadelerdeki toplama ve çıkarma işlemlerini yapınız.

$$7a + 5a = \dots\dots\dots$$

$$8x + 9x - 3x = \dots\dots\dots$$

$$7c - 9d + 8c - 2 = \dots\dots\dots$$

$$6a^2 + 7b^2 - 3a^2 - 10b^2 = \dots\dots\dots$$

$$2a - 3b + 6c - 4a + 9b = \dots\dots\dots$$

$$(7x + 4) + (12x - 2) = \dots\dots\dots$$

$$(9a - 5) - (6a + 3) = \dots\dots\dots$$

$$(3x^2 - 4x) + (6x^2 - 8x + 5) = \dots\dots\dots$$

$$(12x + 2) + (-3 + 5) = \dots\dots\dots$$

$$(-4x + 8) + (7x - 2) = \dots\dots\dots$$





$$(2x - 3) - (x - 4) = \dots\dots\dots$$

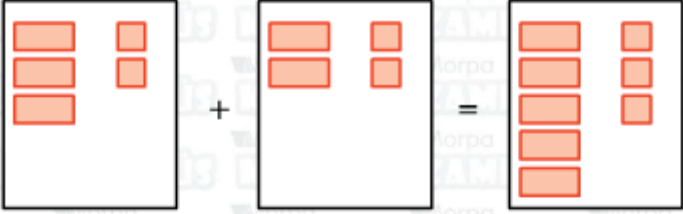
$$(x + 2) - (-3x - 7) = \dots\dots\dots$$

$$(5x + 6) - (5x - 2) = \dots\dots\dots$$

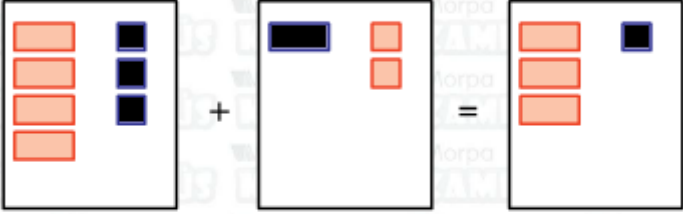
6.

Aşağıda modellenen toplama işlemlerine ait cebirsel ifadeleri yazınız.

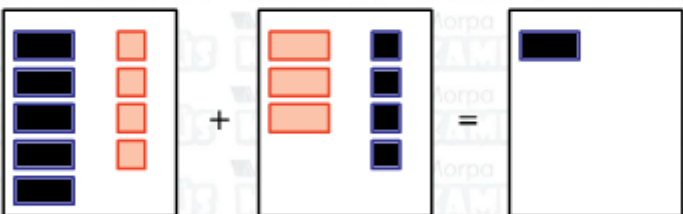
 $\rightarrow x$
 $\rightarrow -x$
 $\rightarrow 1$
 $\rightarrow -$



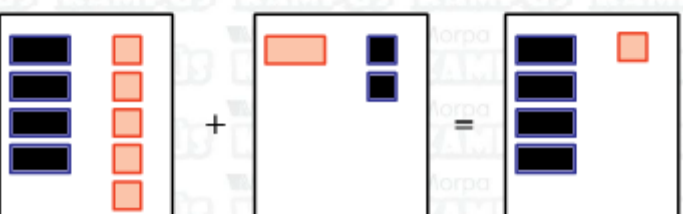
 $(\dots\dots\dots) + (\dots\dots\dots) = (\dots\dots\dots)$



 $(\dots\dots\dots) + (\dots\dots\dots) = (\dots\dots\dots)$



 $(\dots\dots\dots) + (\dots\dots\dots) = (\dots\dots\dots)$



 $(\dots\dots\dots) + (\dots\dots\dots) = (\dots\dots\dots)$