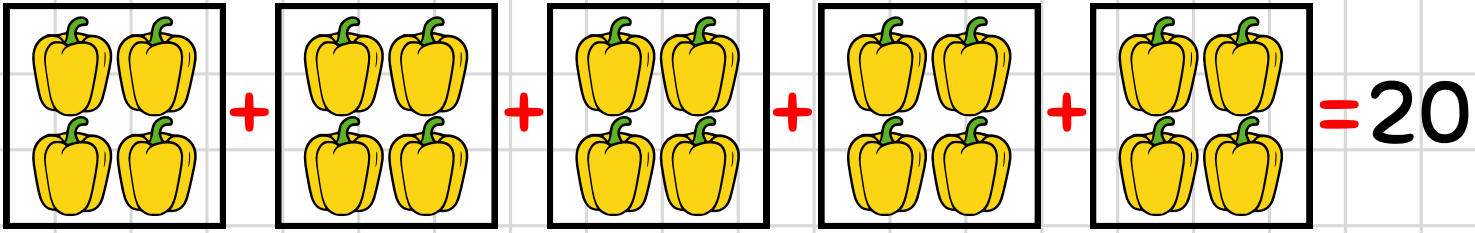


# ÇARPMA İŞLEMİ

- Toplananları aynı olan toplama işleminin kısa yoldan yapılmasına **çarpma işlemi** denir.
- Çarpma işleminin sembolü “x” (**çarpy**) işaretidir.

Örnek:



A diagram illustrating multiplication using a visual example. It shows five identical boxes, each containing four yellow peppers arranged in a 2x2 grid. The boxes are connected by plus signs (+), and the entire sequence is followed by an equals sign (=) and the number 20, representing the total count of peppers.

Yukarıdaki işlem:

- 5 tane 4
  - 5 kere 4
  - 5 çarpy 4
- →  
→
- (5 × 4) şeklinde ifade edilir.

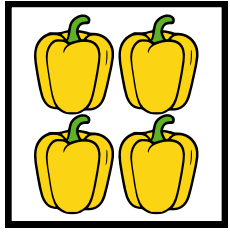
$$\begin{array}{r} 5 \\ \times 4 \\ \hline 20 \end{array}$$

→ çarpan  
→ çarpan  
→ çarpım

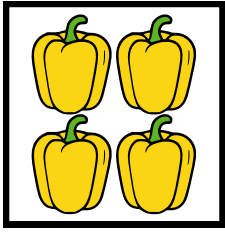
çarpan çarpan

$$5 \times 4 = 20$$

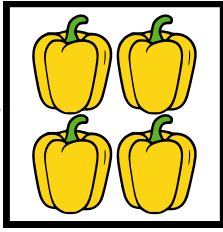
↓  
çarpım



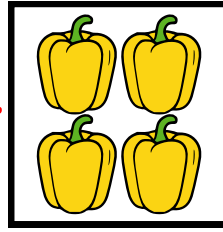
+



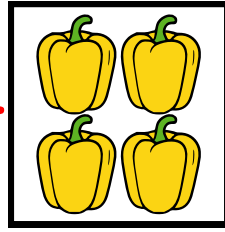
+



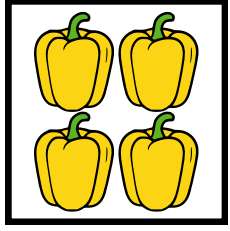
+



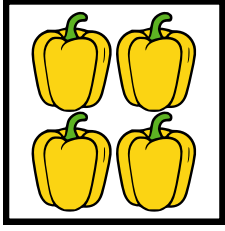
+



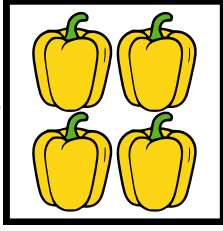
= 20



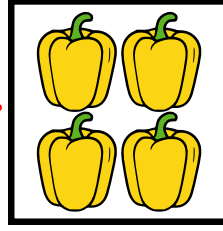
+



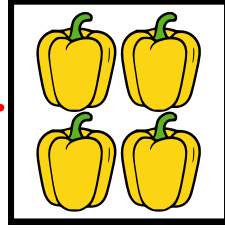
+



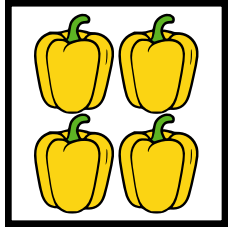
+



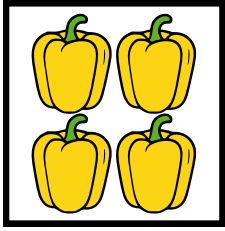
+



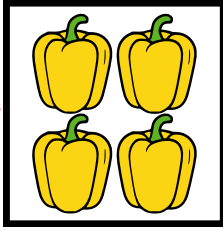
= 20



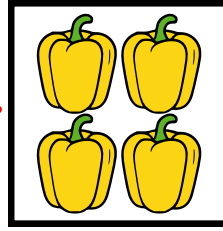
+



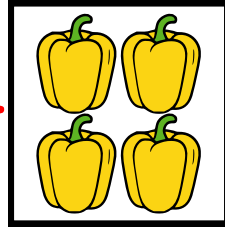
+



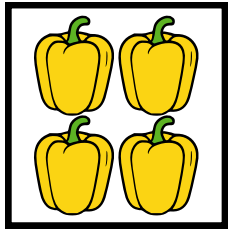
+



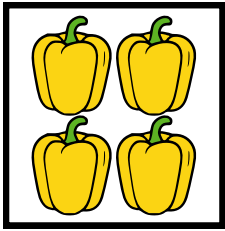
+



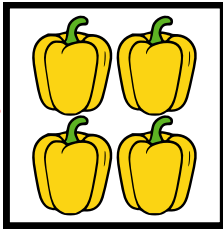
= 20



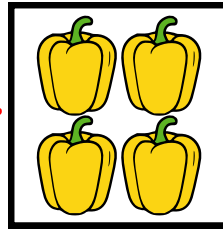
+



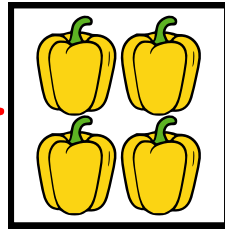
+



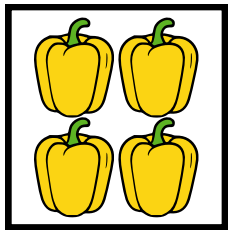
+



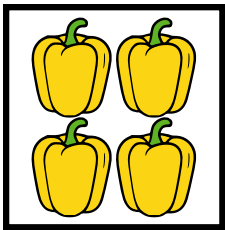
+



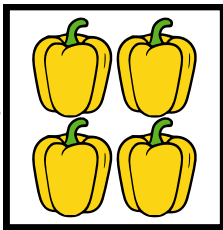
= 20



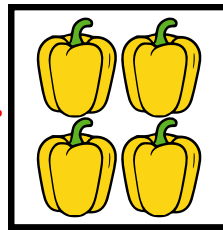
+



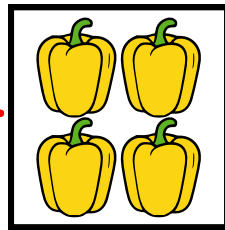
+



+



+



= 20

## 2. SINIF - MATEMATİK



Toplama işlemlerini çarpma işlemi olarak ifade eden sözcükleri yazarak boş yerleri örnekteki gibi tamamlayalım.



$$2 + 2 + 2 + 2 + 2 = 10$$

5 tane 2, 10 eder.

5 kere 2, 10 eder.

5 × 2, 10 eder.

## ÇARPMA İŞLEMİ



$$..... + ..... = .....$$

..... tane ....., ..... eder.

..... kere ....., ..... eder.

..... × ....., ..... eder.



$$..... + ..... + ..... = .....$$

..... tane ....., ..... eder.

..... kere ....., ..... eder.

..... × ....., ..... eder.

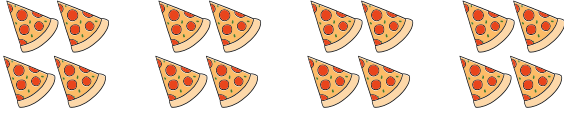


$$..... + ..... = .....$$

..... tane ....., ..... eder.

..... kere ....., ..... eder.

..... × ....., ..... eder.



$$..... + ..... + ..... + ..... = .....$$

..... tane ....., ..... eder.

..... kere ....., ..... eder.

..... × ....., ..... eder.



$$..... + ..... = .....$$

..... tane ....., ..... eder.

..... kere ....., ..... eder.

..... × ....., ..... eder.



$$..... + ..... + ..... + ..... + ..... = .....$$

..... tane ....., ..... eder.

..... kere ....., ..... eder.

..... × ....., ..... eder.



$$..... + ..... + ..... = .....$$

..... tane ....., ..... eder.

..... kere ....., ..... eder.

..... × ....., ..... eder.

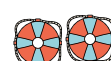
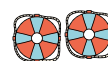
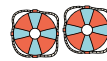


$$..... + ..... + ..... + ..... = .....$$

..... tane ....., ..... eder.

..... kere ....., ..... eder.

..... × ....., ..... eder.



$$..... + ..... + ..... = .....$$

..... tane ....., ..... eder.

..... kere ....., ..... eder.

..... × ....., ..... eder.

## 2. SINIF - MATEMATİK



## ÇARPMA İŞLEMİ

Toplama işlemlerini çarpma işlemi olarak ifade eden sözcükleri yazarak boş yerleri örnekteki gibi tamamlayalım.

$$2 + 2 + 2 + 2 + 2 = 10$$

5 tane 2, 10 eder.

5 kere 2, 10 eder.

5 × 2, 10 eder.

$$3 + 3 + 3 = \dots\dots$$

..... tane ....., ..... eder.

..... kere ....., ..... eder.

..... × ....., ..... eder.

$$4 + 4 = \dots\dots$$

..... tane ....., ..... eder.

..... kere ....., ..... eder.

..... × ....., ..... eder.

$$5 + 5 + 5 = \dots\dots$$

..... tane ....., ..... eder.

..... kere ....., ..... eder.

..... × ....., ..... eder.

$$3 + 3 = \dots\dots$$

..... tane ....., ..... eder.

..... kere ....., ..... eder.

..... × ....., ..... eder.

$$2 + 2 = \dots\dots$$

..... tane ....., ..... eder.

..... kere ....., ..... eder.

..... × ....., ..... eder.

$$4 + 4 + 4 + 4 = \dots\dots$$

..... tane ....., ..... eder.

..... kere ....., ..... eder.

..... × ....., ..... eder.

$$5 + 5 + 5 + 5 = \dots\dots$$

..... tane ....., ..... eder.

..... kere ....., ..... eder.

..... × ....., ..... eder.

$$3 + 3 + 3 + 3 + 3 = \dots\dots$$

..... tane ....., ..... eder.

..... kere ....., ..... eder.

..... × ....., ..... eder.

$$5 + 5 = \dots\dots$$

..... tane ....., ..... eder.

..... kere ....., ..... eder.

..... × ....., ..... eder.



## 2 İLE ÇARPMA İŞLEMİ

Çarpım tablosunu örnekten yararlanarak tamamlayalım.

|                                                                                    |                               |                        |
|------------------------------------------------------------------------------------|-------------------------------|------------------------|
|    | 1 kere 2, 2 eder.             | $1 \times 2 = 2$       |
|    | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|    | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|    | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|    | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|    | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|    | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|   | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|  | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|  | ..... kere ....., ..... eder. | ..... $\times$ ..... = |

• Aşağıdaki çarpma işlemlerini yapalım.

$$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 2 \\ \hline \end{array}$$

• Aşağıdaki çarpma işlemlerini yapalım.

$$4 \times 2 =$$

$$10 \times 2 =$$

$$6 \times 2 =$$

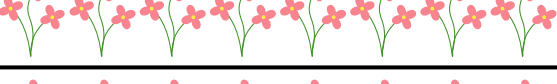
$$9 \times 2 =$$

$$7 \times 2 =$$



## 3 İLE ÇARPMA İŞLEMİ

Çarpım tablosunu örnekten yararlanarak tamamlayalım.

|                                                                                    |                               |                        |
|------------------------------------------------------------------------------------|-------------------------------|------------------------|
|    | 1 kere 3, 3 eder.             | $1 \times 3 = 3$       |
|    | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|    | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|    | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|    | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|    | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|    | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|  | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|  | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|  | ..... kere ....., ..... eder. | ..... $\times$ ..... = |

• Aşağıdaki çarpma işlemlerini yapalım.

$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 3 \\ \hline \end{array}$$

• Aşağıdaki çarpma işlemlerini yapalım.

$$4 \times 3 =$$

$$10 \times 3 =$$

$$6 \times 3 =$$

$$9 \times 3 =$$

$$7 \times 3 =$$



## 4 İLE ÇARPMA İŞLEMİ

Çarpım tablosunu örnekten yararlanarak tamamlayalım.

|                                                                                    |                               |                        |
|------------------------------------------------------------------------------------|-------------------------------|------------------------|
|    | 1 kere 4, 4 eder.             | $1 \times 4 = 4$       |
|    | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|    | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|    | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|    | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|    | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|    | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|   | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|  | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|  | ..... kere ....., ..... eder. | ..... $\times$ ..... = |

• Aşağıdaki çarpma işlemlerini yapalım.

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 4 \\ \hline \end{array}$$

• Aşağıdaki çarpma işlemlerini yapalım.

$$4 \times 4 =$$

$$10 \times 4 =$$

$$6 \times 4 =$$

$$9 \times 4 =$$

$$7 \times 4 =$$



## 5 İLE ÇARPMA İŞLEMİ

Çarpım tablosunu örnekten yararlanarak tamamlayalım.

|  |                               |                        |
|--|-------------------------------|------------------------|
|  | 1 kere 5, 5 eder.             | $1 \times 5 = 5$       |
|  | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|  | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|  | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|  | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|  | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|  | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|  | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|  | ..... kere ....., ..... eder. | ..... $\times$ ..... = |
|  | ..... kere ....., ..... eder. | ..... $\times$ ..... = |

- Aşağıdaki çarpma işlemlerini yapalım.

$$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 5 \\ \hline \end{array}$$

- Aşağıdaki çarpma işlemlerini yapalım.

$$4 \times 5 =$$

$$10 \times 5 =$$

$$6 \times 5 =$$

$$9 \times 5 =$$

$$7 \times 5 =$$