

# MULTIPLICATION STRATEGY CARDS



## 1 ARRAYS

Make rows and columns to show the groups.

$$4 \times 6 = 24$$



$$4 \text{ rows of } 6 = 24$$

## 2 REPEATED ADDITION

Add the same number over and over.

$$5 \times 7 = 35$$

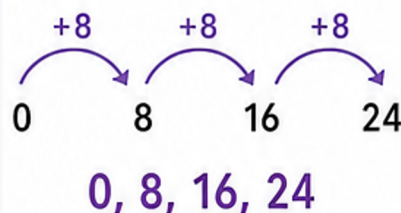
$$7 + 7 + 7 + 7 + 7 = 35$$

5 times

## 3 SKIP COUNTING

Count by the second factor.

$$3 \times 8 = 24$$



## 4 PARTIAL PRODUCTS

Break one factor apart and multiply each part.

$$23 \times 4 = 92$$

$$23 = 20 + 3$$

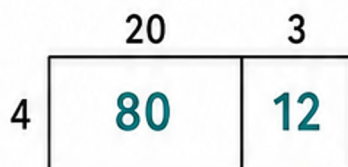
$$20 \times 4 = 80 \quad 3 \times 4 = 12$$

$$80 + 12 = 92$$

## 5 AREA MODEL

Use a grid to find partial products.

$$23 \times 4 = 92$$



$$80 + 12 = 92$$

## 6 DISTRIBUTIVE PROPERTY

Distribute to multiply mentally.

$$6 \times 15 = 90$$

$$6 \times (10 + 5)$$

$$6 \times 10 = 60 \quad 6 \times 5 = 30$$

$$60 + 30 = 90$$

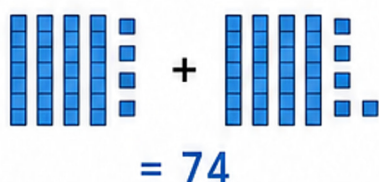


## 7 DOUBLES

Double a number to multiply by 2.

$$37 \times 2 = 74$$

$$37 + 37 = 74$$



$$= 74$$

## 8 COMPATIBLE NUMBERS

Use friendly numbers to estimate.

$$19 \times 6 \approx 120$$

$$20 \times 6 = 120$$

19 is close to 20,  
so the answer is  
close to 120.

## 9 FIND A FACTOR

Use known facts to find the product.

$$7 \times 8 = ?$$

I know  $7 \times 4 = 28$

So,  $7 \times 8 = 28 \times 2$

$$= 56$$



✂ Cut along the dotted lines to use as strategy cards.