

Review



Rewrite the sentences

$$7+7+7+7+7=35 \xrightarrow{\text{Multiplication}} \underline{5 \times 7=35}$$

$$9+9=18 \xrightarrow{\text{Multiplication}} \underline{2 \times 9=18}$$

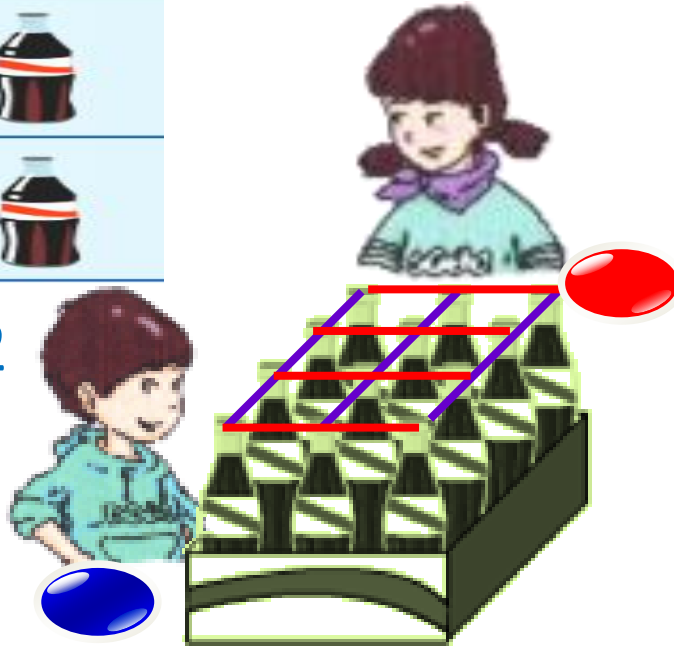
$$3 \times 6=18 \xrightarrow{\text{Addition}} \underline{6+6+6=18}$$

$$\star 4 \times 4=16 \xrightarrow{\text{Addition}} \underline{4+4+4+4=16}$$

In focus



$$3 \times 4 = 4 + 4 + 4 = 12$$



$$4 \times 3 = 3 + 3 + 3 + 3 = 12$$



Let's learn

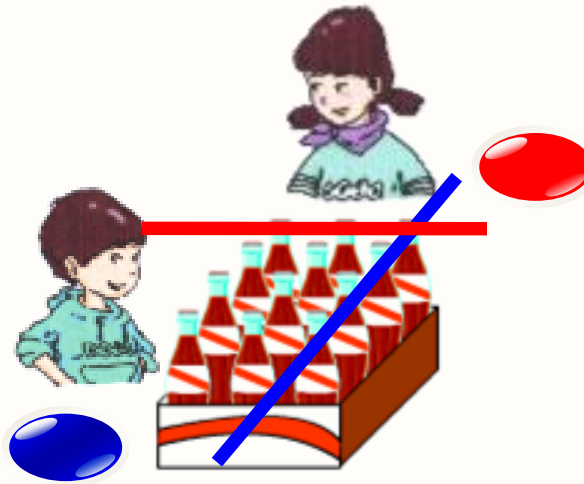
The vertical direction



3 rows

$$3 \times 4 = 12$$

4 in each row



The horizontal direction

4 rows

$$4 \times 3 = 12$$

3 in each row

$$3 \times 4 = 4 \times 3$$

Exchange the position of two factors,
the product is same.

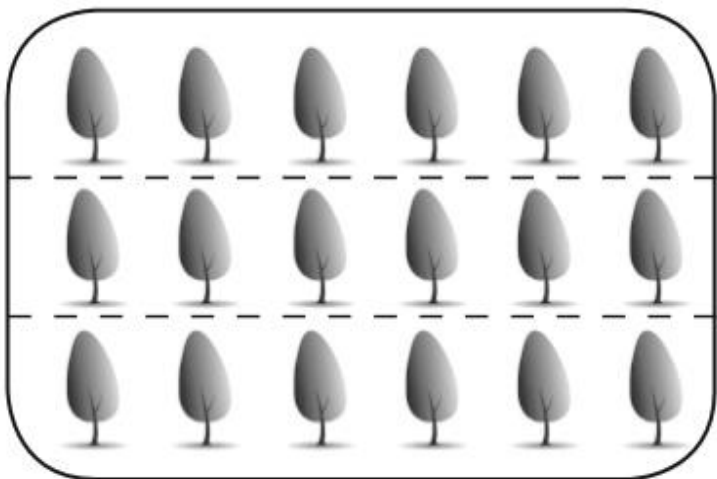
Exchange





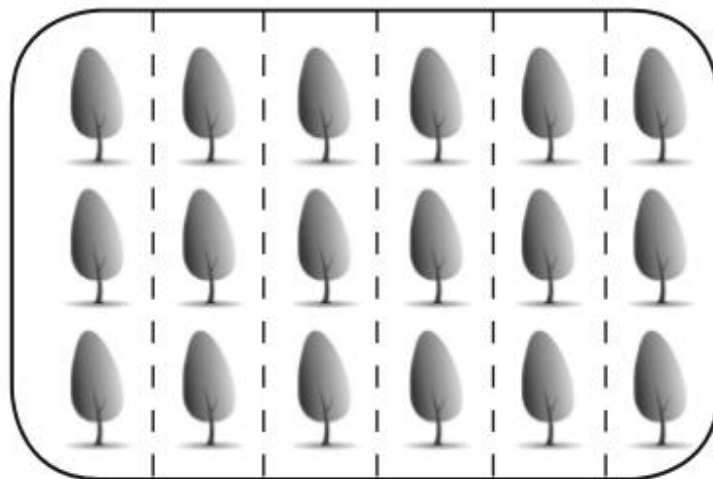
(1)

Look at the picture and fill in the blanks:



3 **6** s

$$\boxed{3} \times \boxed{6} = \boxed{18}$$



6 **3** s

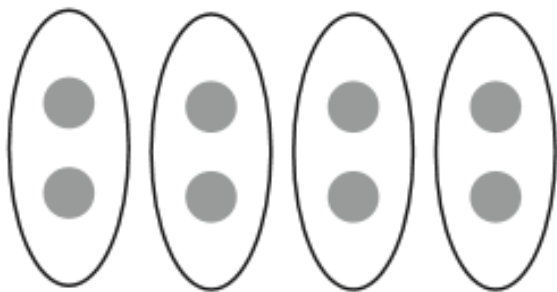
$$\boxed{6} \times \boxed{3} = \boxed{18}$$

$$\boxed{3} \times \boxed{6} = \boxed{6} \times \boxed{3}$$



(2)

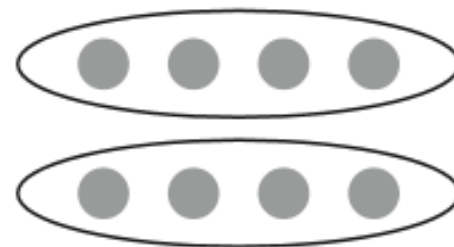
Look at the picture and fill in the blanks:



(4) (2)s are (8)

Addition: $2+2+2+2=8$

Multiplication: $4 \times 2 = 8$



(2) (4)s are (8)

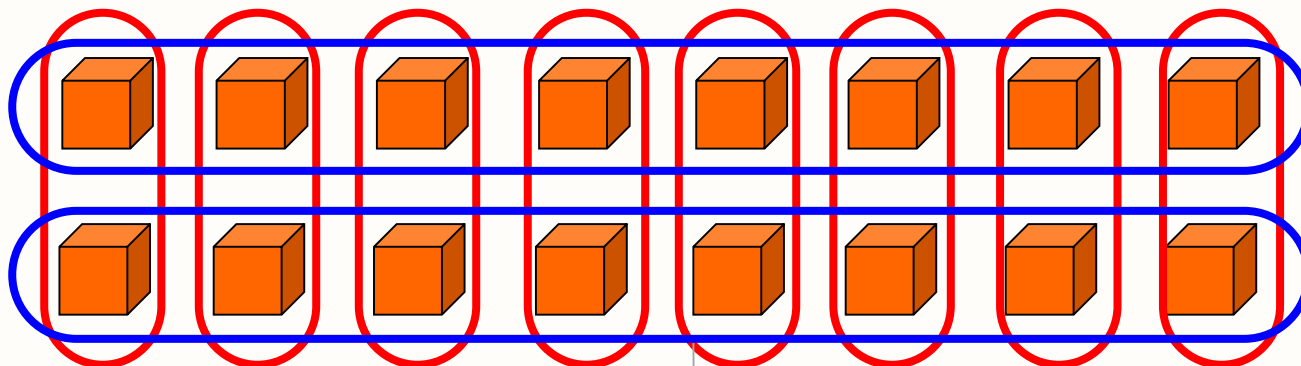
Addition: $4+4=8$

Multiplication: $2 \times 4 = 8$

$$\boxed{4} \times \boxed{2} = \boxed{2} \times \boxed{4}$$



Look and Say.



It is easier to calculate
if you change the places of the
factors.

There

There

Addit

$2+2$

Multiplication :

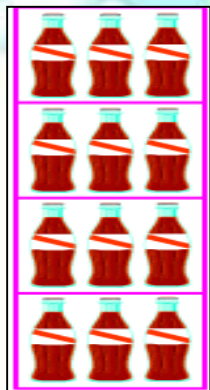
$$8 \times 2 = \underline{2+2+2+2+2+2+2+2=16}$$

Repeat 8 times

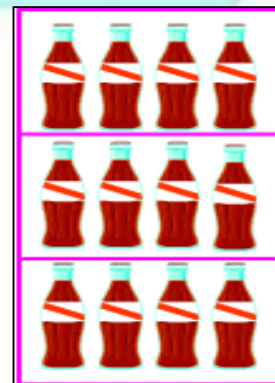
Multiplication :

$$\star 2 \times 8 = \underline{8+8=16}$$

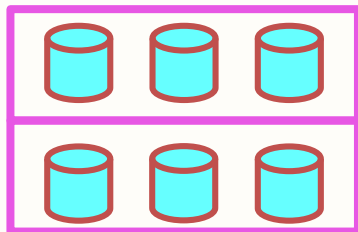
Repeat only once



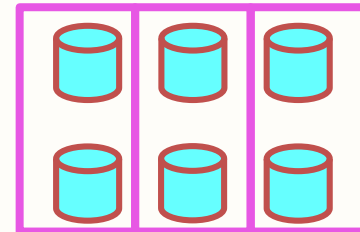
$$4 \times 3 = 12$$



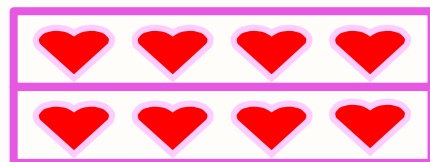
$$3 \times 4 = 12$$



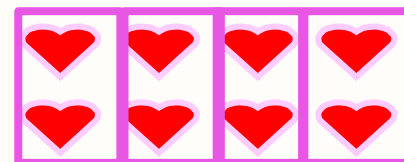
$$2 \times 3 = 6$$



$$3 \times 2 = 6$$



$$2 \times 4 = 8$$



$$4 \times 2 = 8$$



$$4 \times 3 = 12$$

$$3 \times 4 = 12$$

$$2 \times 3 = 6$$

$$3 \times 2 = 6$$

$$2 \times 4 = 8$$

$$4 \times 2 = 8$$



$$4 \times 3 = 12 \quad \longleftrightarrow \quad 3 \times 4 = 12$$

$$2 \times 3 = 6 \quad \longleftrightarrow \quad 3 \times 2 = 6$$

$$2 \times 4 = 8 \quad \longleftrightarrow \quad 4 \times 2 = 8$$

Exchange factors' position, the product stays the same.



Fill in the blanks:

(1) $3 \times 7 = \boxed{7} + \boxed{7} + \boxed{7} = \boxed{21}$

$$7 \times 3 = \boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} = \boxed{21}$$

$$\boxed{3} \times \boxed{7} = \boxed{7} \times \boxed{3}$$

(2) $3 \times 5 = 5 \times \boxed{3}$

$$8 \times 6 = \boxed{6} \times \boxed{8}$$

$$4 \times 7 = \boxed{7} \times 4$$

$$2 \times 9 = \boxed{9} \times \boxed{2}$$

Challenge:



Compare and fill in the blanks with
" $<$ " " $>$ " or " $=$ ".

$$9 \times 8 = 8 \times 9 \quad 4 + 4 + 4 = 3 \times 4 \quad 4 \times 5 > 3 \times 5$$

$$5 \times 4 > 1 \times 4 \quad 6 + 6 + 6 + 6 < 6 \times 5 \quad \triangle \times \star = \star \times \triangle$$