

## 乘法運算性質

一. 用乘法結合性質，計算下列各題。

**例子**  $(4 \times 2) \times 7 = 4 \times (2 \times 7) = 56$

$$\textcircled{1} \quad (6 \times 10) \times 7 = 6 \times (10 \times \underline{\hspace{1cm}}) = \underline{\hspace{1cm}}$$

$$\textcircled{2} \quad 4 \times (450 \times 6) = (\underline{\hspace{1cm}} \times 450) \times 6 = \underline{\hspace{1cm}}$$

$$\textcircled{3} \quad 7 \times (40 \times 8) = (7 \times \underline{\hspace{1cm}}) \times 8 = \underline{\hspace{1cm}}$$

$$\textcircled{4} \quad 5 \times (770 \times 3) = (5 \times \underline{\hspace{1cm}}) \times 3 = \underline{\hspace{1cm}}$$

$$\textcircled{5} \quad (6 \times 45) \times 9 = \underline{\hspace{1cm}} \times (45 \times 9) = \underline{\hspace{1cm}}$$

$$\textcircled{6} \quad 8 \times (11 \times 7) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

$$\textcircled{7} \quad (2 \times 36) \times 8 = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) = \underline{\hspace{1cm}}$$

$$\textcircled{8} \quad 4 \times (25 \times 16) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

$$\textcircled{9} \quad (8 \times 200) \times 3 = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) = \underline{\hspace{1cm}}$$

二. 試以較快捷的方法，計算下列各題。

**例子**  $78 \times 4 \times 5$

$$= 78 \times (4 \times 5)$$

$$= 78 \times 20$$

$$= 1560$$

因為  $4 \times 5 = 20$ ，所以先計算  
 $4 \times 5$ ，可令計算更快捷。

$$\textcircled{1} \quad 23 \times 2 \times 5$$

$$= 23 \times (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$$

$$= 23 \times \underline{\hspace{1cm}}$$

$$= \underline{\hspace{1cm}}$$

$$\textcircled{2} \quad 8 \times 6 \times 5$$

$$= \underline{\hspace{1cm}}$$

$$= \underline{\hspace{1cm}}$$

$$= \underline{\hspace{1cm}}$$

$$\textcircled{3} \quad 39 \times 4 \times 25$$

$$= 39 \times (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$$

$$= 39 \times \underline{\hspace{1cm}}$$

$$= \underline{\hspace{1cm}}$$

$$\textcircled{4} \quad 74 \times 25 \times 2$$

$$= \underline{\hspace{1cm}}$$

$$= \underline{\hspace{1cm}}$$

$$= \underline{\hspace{1cm}}$$

$$\textcircled{5} \quad 16 \times 625 \times 4$$

$$= 16 \times (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$$

$$= 16 \times \underline{\hspace{1cm}}$$

$$= \underline{\hspace{1cm}}$$

$$\textcircled{6} \quad 14 \times 125 \times 8$$

$$= \underline{\hspace{1cm}}$$

$$= \underline{\hspace{1cm}}$$

$$= \underline{\hspace{1cm}}$$

## 三．綜合練習。

(1)  $37 \times 3$

$=$  \_\_\_\_\_

(2)  $7 \times 37 \times 3$

$=$  \_\_\_\_\_

$=$  \_\_\_\_\_

(3)  $72 \times 125$

$=$  \_\_\_\_\_  $\times 8 \times$  \_\_\_\_\_

$=$  \_\_\_\_\_

$=$  \_\_\_\_\_

(4)  $48 \times 37$

$= 16 \times$  \_\_\_\_\_  $\times$  \_\_\_\_\_

$=$  \_\_\_\_\_

$=$  \_\_\_\_\_

(5)  $56 \times 875$

$=$  \_\_\_\_\_  $\times 8 \times$  \_\_\_\_\_  $\times 7$

$=$  \_\_\_\_\_

$=$  \_\_\_\_\_

$=$  \_\_\_\_\_

(6)  $125 \times 16$

$=$  \_\_\_\_\_  $\times 25 \times$  \_\_\_\_\_  $\times$  \_\_\_\_\_

$=$  \_\_\_\_\_

$=$  \_\_\_\_\_

$=$  \_\_\_\_\_

(7)  $45 \times 74$

$= 15 \times$  \_\_\_\_\_  $\times$  \_\_\_\_\_  $\times$  \_\_\_\_\_

$=$  \_\_\_\_\_

$=$  \_\_\_\_\_

$=$  \_\_\_\_\_

(8)  $625 \times 72$

$=$  \_\_\_\_\_  $\times$  \_\_\_\_\_  $\times$  \_\_\_\_\_  $\times 9$

$=$  \_\_\_\_\_

$=$  \_\_\_\_\_

