

乘法運算性質

一. 用乘法結合性質，計算下列各題。

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

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

② $4 \times (450 \times 6) = (\underline{\quad} \times 450) \times 6 = \underline{\quad}$

③ $7 \times (40 \times 8) = (7 \times \underline{\quad}) \times 8 = \underline{\quad}$

④ $5 \times (770 \times 3) = (5 \times \underline{\quad}) \times 3 = \underline{\quad}$

⑤ $(6 \times 45) \times 9 = \underline{\quad} \times (45 \times 9) = \underline{\quad}$

⑥ $8 \times (11 \times 7) = (\underline{\quad} \times \underline{\quad}) \times \underline{\quad} = \underline{\quad}$

⑦ $(2 \times 36) \times 8 = \underline{\quad} \times (\underline{\quad} \times \underline{\quad}) = \underline{\quad}$

⑧ $4 \times (25 \times 16) = (\underline{\quad} \times \underline{\quad}) \times \underline{\quad} = \underline{\quad}$

⑨ $(8 \times 200) \times 3 = \underline{\quad} \times (\underline{\quad} \times \underline{\quad}) = \underline{\quad}$

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
 4×5 ，可令計算更快捷。

① $23 \times 2 \times 5$
 $= 23 \times (\underline{\quad} \times \underline{\quad})$
 $= 23 \times \underline{\quad}$
 $= \underline{\quad}$

② $8 \times 6 \times 5$
 $= \underline{\quad}$
 $= \underline{\quad}$
 $= \underline{\quad}$

③ $39 \times 4 \times 25$
 $= 39 \times (\underline{\quad} \times \underline{\quad})$
 $= 39 \times \underline{\quad}$
 $= \underline{\quad}$

④ $74 \times 25 \times 2$
 $= \underline{\quad}$
 $= \underline{\quad}$
 $= \underline{\quad}$

⑤ $16 \times 625 \times 4$
 $= 16 \times (\underline{\quad} \times \underline{\quad})$
 $= 16 \times \underline{\quad}$
 $= \underline{\quad}$

⑥ $14 \times 125 \times 8$
 $= \underline{\quad}$
 $= \underline{\quad}$
 $= \underline{\quad}$

三. 綜合練習。

① 37×3

= _____

② $7 \times 37 \times 3$

= _____

= _____

③ 72×125

= _____ $\times 8 \times$ _____

= _____

= _____

④ 48×37

= $16 \times$ _____ \times _____

= _____

= _____

⑤ 56×875

= _____ $\times 8 \times$ _____ $\times 7$

= _____

= _____

= _____

⑥ 125×16

= _____ $\times 25 \times$ _____ \times _____

= _____

= _____

= _____

⑦ 45×74

= $15 \times$ _____ \times _____ \times _____

= _____

= _____

= _____

⑧ 625×72

= _____ \times _____ \times _____ $\times 9$

= _____

= _____

