

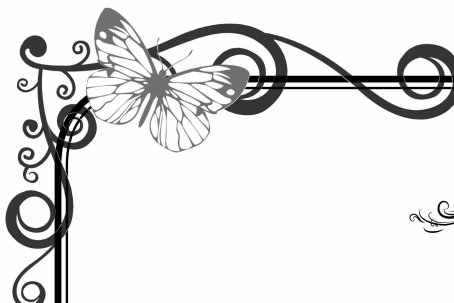
黄冈小状元



同步计算

天天练





目 录



一、四则运算	(1)
二、观察物体(二)	(13)
三、运算定律	(14)
技巧练习	(25)
四、小数的意义和性质	(36)
五、三角形	(37)
六、小数的加法和减法	(38)
七、图形的运动(二)	(46)
八、平均数与条形统计图	(47)
九、数学广角——鸡兔同笼	(48)
十、总复习	(49)
参考答案	(51)





一、四则运算

加、减法的意义和各部分间的关系(1)

1. 算一算,填一填。

(1) $270 + 160 = \square$

$\begin{array}{r} 270 \\ + 160 \\ \hline \square\square\square \end{array}$	验算:	$\begin{array}{r} \square\square\square \\ - 270 \\ \hline \square\square\square \end{array}$	或	$\begin{array}{r} \square\square\square \\ - 160 \\ \hline \square\square\square \end{array}$
---	-----	---	---	---

验算加法,可以用和减去其中一个加数。



(2) $317 + 291 =$

$\begin{array}{r} \square\square\square \\ + \square\square\square \\ \hline \square\square\square \end{array}$	验算:	$\begin{array}{r} \square\square\square \\ - \square\square\square \\ \hline \square\square\square \end{array}$
---	-----	---

(3) $453 + 277 =$

$\begin{array}{r} \square\square\square \\ + \square\square\square \\ \hline \square\square\square \end{array}$	验算:	$\begin{array}{r} \square\square\square \\ - \square\square\square \\ \hline \square\square\square \end{array}$
---	-----	---

2. 计算下面各题,并利用加法各部分间的关系进行验算。

(1) $460 + 180 =$

(2) $367 + 283 =$

(3) $504 + 398 =$

(4) $486 + 235 =$





加、减法的意义和各部分间的关系(2)

1. 算一算,填一填。

(1) $423 - 257 =$

(2) $504 - 265 =$

$\begin{array}{r} 423 \\ - 257 \\ \hline \square\square\square \end{array}$	验算减法, 可以用减 数加差。	$\Rightarrow +$	$\begin{array}{r} 257 \\ \square\square\square \\ \hline \square\square\square \end{array}$	$\begin{array}{r} 504 \\ - \square\square\square \\ \hline \square\square\square \end{array}$	验算减法, 也可以用被 减数减去差。	$\Rightarrow -$	$\begin{array}{r} 504 \\ - \square\square\square \\ \hline \square\square\square \end{array}$
---	-----------------------	-----------------	---	---	--------------------------	-----------------	---

(3) $425 - 197 =$

(4) $613 - 458 =$

$\begin{array}{r} \square\square\square \\ - \square\square\square \\ \hline \square\square\square \end{array}$	验算:	$\begin{array}{r} \square\square\square \\ \bigcirc \square\square\square \\ \hline \square\square\square \end{array}$	$\begin{array}{r} \square\square\square \\ - \square\square\square \\ \hline \square\square\square \end{array}$	验算:	$\begin{array}{r} \square\square\square \\ \bigcirc \square\square\square \\ \hline \square\square\square \end{array}$
---	-----	--	---	-----	--

2. 计算下面各题,并利用减法各部分间的关系进行验算。

(1) $836 - 308 =$

(2) $755 - 588 =$

(3) $702 - 469 =$

(4) $900 - 736 =$





加、减法的意义和各部分间的关系(3)

计算下面各题,并利用加、减法各部分间的关系进行验算。

(1) $149 + 326 =$

$$\begin{array}{r} \square\square\square \\ + \square\square\square \\ \hline \square\square\square \end{array}$$

验算: $\begin{array}{r} \square\square\square \\ - \square\square\square \\ \hline \square\square\square \end{array}$

(2) $592 - 379 =$

$$\begin{array}{r} \square\square\square \\ - \square\square\square \\ \hline \square\square\square \end{array}$$

验算: $\begin{array}{r} \square\square\square \\ + \square\square\square \\ \hline \square\square\square \end{array}$

(3) $265 + 97 =$

(4) $370 - 88 =$

(5) $75 + 458 =$

(6) $600 - 275 =$

(7) $505 - 256 =$

(8) $843 + 77 =$





乘、除法的意义和各部分间的关系(1)

1. 算一算,填一填。

(1) $56 \times 24 = \square$

$$\begin{array}{r}
 56 \\
 \times 24 \\
 \hline
 \square\square\square \\
 \square\square\square \\
 \hline
 \square\square\square\square
 \end{array}$$

验算: $56 \overline{) \square\square\square\square}$ 或 $24 \overline{) \square\square\square\square}$

验算乘法,可以用积除以其中的一个因数。



(2) $45 \times 25 =$

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

验算:

(3) $143 \times 17 =$

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

验算:

2. 计算下面各题,并利用乘法各部分间的关系进行验算。

(1) $203 \times 23 =$

(2) $341 \times 25 =$

(3) $152 \times 44 =$

(4) $405 \times 16 =$





乘、除法的意义和各部分间的关系(2)

1. 算一算,填一填。

(1) $952 \div 28 =$

$$\begin{array}{r} \square\square \\ 28 \overline{) 952} \end{array}$$

验算
除法,
可以用商
乘除
数。

$\Rightarrow$

$$\begin{array}{r} 28 \\ \times \square\square \\ \hline \end{array}$$

(2) $450 \div 25 =$

$$\begin{array}{r} \square\square \\ \square\square \overline{) \square\square\square} \end{array}$$

验算
除法,
也可以
用被除
数除以商。

$\Rightarrow$

$$\begin{array}{r} \square\square \\ \square\square \overline{) 450} \end{array}$$

(3) $518 \div 14 =$

$$\begin{array}{r} \square\square \\ \square\square \overline{) \square\square\square} \end{array}$$

验算:

(4) $912 \div 48 =$

$$\begin{array}{r} \square\square \\ \square\square \overline{) \square\square\square} \end{array}$$

验算:

2. 计算下面各题,并利用除法各部分间的关系进行验算。

(1) $434 \div 14 =$

(2) $288 \div 12 =$

(3) $928 \div 29 =$

(4) $1875 \div 75 =$





乘、除法的意义和各部分间的关系(3)

计算下面各题,并利用乘、除法各部分间的关系进行验算。

(1) $103 \times 72 =$

(2) $580 \div 29 =$

(3) $7014 \div 7 =$

(4) $201 \times 27 =$

(5) $803 \div 73 =$

(6) $725 \div 29 =$

(7) $340 \times 23 =$

(8) $16 \times 480 =$





括号(1)

用“ ”画出先算什么,再计算下面各题。

(1) $35 \times 3 + 157$

$= \square + 157$

$= \square$

(2) $108 - 240 \div 3$

$= 108 - \square$

$= \square$

(3) $180 \div 15 + 37 \times 5$

$= \square \bigcirc \square$

$= \square$

(4) $324 + 156 - 128 \div 16$

$= \square \bigcirc \square \bigcirc \square$

$= \square \bigcirc \square$

$= \square$

(5) $765 \div 3 - 155 - 37$

$= \square \bigcirc \square \bigcirc \square$

$= \square \bigcirc \square$

$= \square$

(6) $514 - 75 \times 2 + 76$

$= 514 - \square + 76$

$= \square + 76$

$= \square$

(7) $260 \div 4 + 32 \times 8$

$=$

$=$

(8) $92 \times 7 - 680 \div 17$

$=$

$=$

(9) $72 \times 9 - 25 \times 4$

$=$

$=$

(10) $720 \div 60 + 528 \div 4$

$=$

$=$

(11) $238 - 1058 \div 23 + 574$

$=$

$=$

$=$

(12) $36 \times 14 - 360 \div 15$

$=$

$=$





括号(2)

计算下面各题。(在每步先算的部分下面画上横线)

(1) $(32-18) \times 96 \div 8$

=

=

=

(2) $236 + 720 \div (132 - 87)$

=

=

=

(3) $732 - (126 + 58) \div 8$

=

=

=

(4) $(375 + 125) \div (75 \div 3)$

=

=

(5) $(646 - 250) \div (3 \times 6)$

=

=

(6) $(156 + 34) \times (75 \div 25)$

=

=

(7) $(220 + 100) \times 3 - 50$

=

=

=

(8) $480 - (96 + 50 \times 4)$

=

=

=

(9) $(426 + 24) \div (23 + 27)$

=

=

(10) $300 + (72 - 42 \div 6)$

=

=

=

(11) $859 - 540 \div (63 \div 7)$

=

=

=

(12) $25 \times (36 - 18 + 18)$

=

=

=



8

每天一得 一个算式里,有小括号的,要先算小括号里面的。



括号(3)

计算下面各题。(在每步先算的部分下面画上横线)

$$(1) 72 \div [(18 - 15) \times 4] \quad (2) 180 - [143 - (68 + 32)] \quad (3) 24 + [180 \div (3 \times 5)]$$

$$= 72 \div [\square \times 4] \quad = 180 - [143 - \square] \quad = \square + [\square \div \square]$$

$$= 72 \div \square \quad = 180 - \square \quad = \square + \square$$

$$= \square \quad = \square \quad = \square$$

$$(4) [600 - (247 + 323)] \times 124 \quad (5) 40 \times [185 - (93 - 18)] \quad (6) 36 \times [(72 - 48) \div 6]$$

$$= [\square - \square] \times \square \quad = \square \times [\square - \square] \quad = \square \times [\square \div \square]$$

$$= \square \times \square \quad = \square \times \square \quad = \square \times \square$$

$$= \square \quad = \square \quad = \square$$

$$(7) 864 \div [3 \times (400 - 388)] \quad (8) 360 \div [270 \div (147 - 138)] \quad (9) [345 + (625 - 478)] \div 41$$

$$= \quad = \quad =$$

$$= \quad = \quad =$$

$$= \quad = \quad =$$

$$(10) 53 \times [170 - (75 + 68)] \quad (11) 144 \div [960 \div (245 - 165)] \quad (12) 210 \div [(205 - 198) \times 2]$$

$$= \quad = \quad =$$

$$= \quad = \quad =$$

$$= \quad = \quad =$$





括号(4)

先计算下面各题,再观察算式,看有什么发现。

(1) $48+72\div3\times2$

=

=

=

(2) $(48+72)\div3\times2$

=

=

=

(3) $(48+72)\div(3\times2)$

=

=

(4) $96+12\times4+18$

=

=

=

(5) $96+12\times(4+18)$

=

=

=

(6) $(96+12)\times4+18$

=

=

=

(7) $38\times24-6+17$

=

=

=

(8) $38\times(24-6)+17$

=

=

=

(9) $38\times[24-(6+17)]$

=

=

=

(10) $56\div8+15-9$

=

=

=

(11) $56\div8+(15-9)$

=

=

=

(12) $56\div[8+(15-9)]$

=

=

=





括号(5)

下面的计算是否正确？正确的画“√”，不正确的画“×”，并把不正确的改正过来。

(1) $52 + 8 \times (26 - 17)$

$= 52 + 8 \times 9$

$= 60 \times 9$

$= 540 \quad (\quad)$

改正：

(2) $(76 + 28) \div 2 \times 26$

$= 104 \div 52$

$= 2$

$(\quad)$

改正：

(3) $4 \times (50 - 18) \div 2$

$= 200 - 9$

$= 191$

$(\quad)$

改正：

(4) $200 - [15 \times (12 - 4)]$

$= 200 - [180 - 4]$

$= 200 - 176$

$= 24 \quad (\quad)$

改正：

(5) $287 - [127 - (65 + 35)]$

$= 287 - [127 - 100]$

$= 160 - 100$

$= 60 \quad (\quad)$

改正：

(6) $30 \times (6 - 2) \div 2$

$= 180 - 1$

$= 179$

$(\quad)$

改正：





括号(6)

计算下面各题。

(1) $410 \times [(662 - 74) \div 49]$ (2) $8000 \div [8 \times (703 - 699)]$ (3) $(540 + 2418 \div 78) \times 17$

=

=

=

=

=

=

=

=

=

(4) $905 - (136 + 45) \times 5$ (5) $905 - 136 + 45 \times 5$ (6) $[905 - (136 + 45)] \times 5$

=

=

=

=

=

=

=

=

=

(7) $(640 \div 8 + 22) \times 4$ (8) $37 \times (24 \div 2 + 8)$ (9) $800 \div [400 - (360 - 160)]$

=

=

=

=

=

=

=

=

=

(10) $1680 \div [4 \times (13 - 9)]$ (11) $[157 - (42 + 71)] \times 85$ (12) $31 \times [(86 + 142) \div 19]$

=

=

=

=

=

=

=

=

=





二、观察物体(二)

1. 计算并验算。

$$(1) 827 - 369 =$$

$$(2) 803 \div 73 =$$

$$(3) 105 \times 62 =$$

$$(4) 635 + 465 =$$

2. 计算下面各题。

$$(1) 927 + 100 \div 5$$

$$=$$

$$=$$

$$(2) (85 + 240) \div (30 - 5)$$

$$=$$

$$=$$

$$(3) 356 + 324 \div 18 \times 5$$

$$=$$

$$=$$

$$=$$

$$(4) 327 - [11 \times (6 + 13)]$$

$$=$$

$$=$$

$$=$$

$$(5) (120 \times 2 + 120) \div 15$$

$$=$$

$$=$$

$$=$$

$$(6) 52 \times [(225 + 215) \div 5]$$

$$=$$

$$=$$

$$=$$




三、运算定律

加法运算定律(1)

1. 计算下面各题,并用加法交换律验算。

(1) $127 + 365 =$

(2) $1028 + 576 =$

$\begin{array}{r} 127 \\ + 365 \\ \hline \square\square\square \end{array}$	验算: $\begin{array}{r} 365 \\ + 127 \\ \hline \square\square\square \end{array}$	$\begin{array}{r} 1028 \\ + 576 \\ \hline \square\square\square\square \end{array}$	验算: $\begin{array}{r} \square\square\square \\ + \square\square\square\square \\ \hline \square\square\square\square \end{array}$
---	---	---	---

(3) $38 + 529 =$

(4) $125 + 2367 =$

$\begin{array}{r} 38 \\ + 529 \\ \hline \square\square\square \end{array}$	验算: $\begin{array}{r} \square\square\square \\ + \square\square \\ \hline \square\square\square \end{array}$	$\begin{array}{r} 125 \\ + 2367 \\ \hline \square\square\square\square \end{array}$	验算: $\begin{array}{r} \square\square\square\square \\ + \square\square\square \\ \hline \square\square\square\square \end{array}$
--	--	---	---

2. 计算下面各题,怎样简便就怎样计算。

(1) $72 + 58 + 28$

(2) $127 + 35 + 873$

(3) $346 + 157 + 54$

$= 72 + 28 + 58$

$= 127 + 873 + 35$

$= 346 + 54 + 157$

$= \square + 58$

$= \square + 35$

$= \square + 157$

$= \square$

$= \square$

$= \square$

(4) $147 + 256 + 453$

(5) $281 + 127 + 319$

(6) $238 + 369 + 162$

$=$

$=$

$=$

$=$

$=$

$=$

$=$

$=$

$=$





加法运算定律(2)

计算下面各题,怎样简便就怎样计算。

(1) $58 + (342 + 49)$

$= (58 + 342) + 49$

$= \boxed{} + 49$

$= \boxed{}$

(2) $(41 + 128) + 872$

$= 41 + (128 + 872)$

$= 41 + \boxed{}$

$= \boxed{}$

(3) $111 + 234 + 66$

$= 111 + (\boxed{} + \boxed{})$

$= 111 + \boxed{}$

$= \boxed{}$

(4) $247 + (183 + 218)$

$=$

$=$

$=$

(5) $439 + (61 + 284)$

$=$

$=$

$=$

(6) $328 + 105 + 95$

$=$

$=$

$=$

(7) $236 + (264 + 159)$

$=$

$=$

$=$

(8) $337 + 229 + 171$

$=$

$=$

$=$

(9) $255 + (145 + 158)$

$=$

$=$

$=$

(10) $524 + 183 + 217$

$=$

$=$

$=$

(11) $433 + 109 + 291$

$=$

$=$

$=$

(12) $323 + (177 + 207)$

$=$

$=$

$=$





加法运算定律(3)

计算下面各题,怎样简便就怎样计算。

(1) $154+173+46+227$

$=154+46+173+227 \leftarrow \text{运用加法} \underline{\hspace{1cm}} \text{律}$

$= (154+46) + (173+227) \leftarrow \text{运用加法} \underline{\hspace{1cm}} \text{律}$

$= \boxed{\hspace{1cm}} + \boxed{\hspace{1cm}}$

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

(2) $116+23+884+177$

$= 116 + \boxed{\hspace{1cm}} + \boxed{\hspace{1cm}} + \boxed{\hspace{1cm}}$

$= (\boxed{\hspace{1cm}} + \boxed{\hspace{1cm}}) + (\boxed{\hspace{1cm}} + \boxed{\hspace{1cm}})$

$= \boxed{\hspace{1cm}} + \boxed{\hspace{1cm}}$

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

(3) $82+219+181+218$

$=$

$=$

$=$

$=$

(4) $145+111+889+155$

$=$

$=$

$=$

$=$

(5) $275+158+125+42$

$=$

$=$

$=$

$=$

(6) $275+166+25+134$

$=$

$=$

$=$

$=$

(7) $231+122+169+178$

$=$

$=$

$=$

$=$

(8) $95+301+199+105$

$=$

$=$

$=$

$=$

(9) $263+172+228+137$

$=$

$=$

$=$

$=$

(10) $213+152+387+48$

$=$

$=$

$=$

$=$

(11) $333+122+67+278$

$=$

$=$

$=$

$=$





加法运算定律(4)

计算下面各题,怎样简便就怎样计算。

(1) $113+72+887$

=

=

=

(2) $145+26+455+74+54$

=

=

=

=

(3) $156+45+755$

=

=

=

(4) $114+36+386+124+76$

=

=

=

=

(5) $21+611+79+389$

=

=

=

(6) $157+345+843+655$

=

=

=

(7) $123+167+77$

=

=

=

(8) $472+125+275$

=

=

=

(9) $76+362+124+38$

=

=

=

(10) $155+270+230+245$

=

=

=

(11) $283+157+243$

=

=

=

(12) $107+173+93+27$

=

=

=





加法运算定律(5)

计算下面各题,怎样简便就怎样计算。

(1) $744 - 68 - 132$

$= 744 - (\boxed{68} + \boxed{132})$

$= 744 - \boxed{}$

$= \boxed{}$

(2) $327 - 113 - 87$

$= 327 - (\boxed{} + \boxed{})$

$=$

$=$

(3) $728 - 252 - 148$

$= 728 - (\boxed{} + \boxed{})$

$=$

$=$

(4) $630 - 155 - 345$

$=$

$=$

$=$

(5) $898 - 163 - 437$

$=$

$=$

$=$

(6) $628 - 36 - 64$

$=$

$=$

$=$

(7) $905 - 229 - 371$

$=$

$=$

$=$

(8) $367 - 44 - 56$

$=$

$=$

$=$

(9) $389 - 35 - 65$

$=$

$=$

$=$

(10) $872 - 261 - 339$

$=$

$=$

$=$

(11) $524 - 222 - 278$

$=$

$=$

$=$

(12) $409 - 103 - 29$

$=$

$=$

$=$





加法运算定律(6)

计算下面各题,怎样简便就怎样计算。

(1) $533 - 142 - 133$

$= 533 - 133 - 142$

$= \boxed{} - 142$

$= \boxed{}$

(2) $1472 - 367 - 472$

$= 1472 - \boxed{} - \boxed{}$

$=$

$=$

(3) $368 - 74 - 68$

$= 368 - \boxed{} - \boxed{}$

$=$

$=$

(4) $324 - 146 - 124$

$=$

$=$

$=$

(5) $343 - 168 - 143$

$=$

$=$

$=$

(6) $635 - 288 - 335$

$=$

$=$

$=$

(7) $752 - 437 - 252$

$=$

$=$

$=$

(8) $527 - 239 - 227$

$=$

$=$

$=$

(9) $905 - 187 - 705$

$=$

$=$

$=$

(10) $1828 - 979 - 828$

$=$

$=$

$=$

(11) $839 - 472 - 339$

$=$

$=$

$=$

(12) $1189 - 568 - 189$

$=$

$=$

$=$





加法运算定律(7)

计算下面各题,怎样简便就怎样计算。

(1) $628 - 113 - 287$

=

=

=

(2) $542 - 184 - 142$

=

=

=

(3) $871 - 243 - 471$

=

=

=

(4) $347 - 165 - 135$

=

=

=

(5) $354 - 72 - 54$

=

=

=

(6) $532 - 224 - 76$

=

=

=

(7) $832 - 245 - 432$

=

=

=

(8) $775 - 181 - 219$

=

=

=

(9) $763 - 425 - 63$

=

=

=

(10) $1030 - 544 - 456$

=

=

=

(11) $983 - 727 - 183$

=

=

=

(12) $1375 - 759 - 141$

=

=

=



每天一得 一个数连续减去两个数,如果两个减数相加正好是整十、整百、整千的数,从被减数里减去两个减数的和,计算时更简便。



加法运算定律(8)

计算下面各题,怎样简便就怎样计算。

(1) $457 - 83 - 157 - 117$

=

=

=

(2) $284 - 36 - 24 - 40$

=

=

=

(3) $856 - 56 - 72 - 128$

=

=

=

(4) $632 - 51 - 149 - 132$

=

=

=

(5) $725 - 64 - 36 - 100$

=

=

=

(6) $854 - 145 - 38 - 355$

=

=

=

=

(7) $725 - 54 - 125 - 46$

=

=

=

(8) $907 - 77 - 23 - 200$

=

=

=

(9) $678 - 236 - 72 - 164$

=

=

=

(10) $866 - 129 - 271 - 300$

=

=

=

(11) $1013 - 113 - 295 - 305$

=

=

=

(12) $1125 - 125 - 55 - 245$

=

=

=





加法运算定律(9)

下面的计算是否正确？正确的画“√”，不正确的画“×”，并把不正确的改正过来。

(1) $321 - 155 - 45$

$= 321 - (155 - 45)$

$= 321 - 110$

$= 211 \quad (\quad)$

改正：

(2) $386 - 137 + 63$

$= 386 - (137 + 63)$

$= 386 - 200$

$= 186 \quad (\quad)$

改正：

(3) $543 + 138 - 57$

$= 543 + 57 - 138$

$= 600 - 138$

$= 462 \quad (\quad)$

改正：

(4) $557 - 157 + 43$

$= 300 + 43$

$= 343$

$(\quad)$

改正：

(5) $748 - (112 + 28)$

$= 748 - 112 + 28$

$= 636 + 28$

$= 664 \quad (\quad)$

改正：

(6) $957 + 43 - 157$

$= 957 + (43 + 157)$

$= 957 + 200$

$= 1157 \quad (\quad)$

改正：





加法运算定律(10)

用简便方法计算下面各题。

(1) $327 + 101$

$$= 327 + \underbrace{100 + 1}_{\substack{\text{少加了1再加上1} \\ \uparrow}}$$

$$= \boxed{} + 1$$

$$= \boxed{}$$

(2) $253 + 99$

$$= 253 + \underbrace{100 - 1}_{\substack{\text{多加了1再减去1} \\ \uparrow}}$$

$$= \boxed{} - 1$$

$$= \boxed{}$$

(3) $288 + 98$

$$= 288 + 100 - \boxed{}$$

$$= 388 - \boxed{}$$

$$= \boxed{}$$

(4) $467 + 204$

$$= 467 + 200 \bigcirc \boxed{}$$

$$= 667 \bigcirc \boxed{}$$

$$= \boxed{}$$

(5) $562 + 103$

$$= 562 \bigcirc \boxed{} \bigcirc \boxed{}$$

$$= \boxed{} \bigcirc \boxed{}$$

$$= \boxed{}$$

(6) $865 + 597$

$$=$$

$$=$$

$$=$$

(7) $732 + 102$

$$=$$

$$=$$

$$=$$

(8) $456 + 199$

$$=$$

$$=$$

$$=$$

(9) $634 + 105$

$$=$$

$$=$$

$$=$$

(10) $569 + 298$

$$=$$

$$=$$

$$=$$

(11) $228 + 406$

$$=$$

$$=$$

$$=$$





加法运算定律(11)

用简便方法计算下面各题。

(1) $375 - 199$

$$= 375 - 200 + 1 \quad \boxed{\text{多减了1再加上1}}$$

$$= \boxed{} + 1$$

$$= \boxed{}$$

(2) $363 - 102$

$$= 363 - 100 - 2 \quad \boxed{\text{少减了2再减去2}}$$

$$= \boxed{} - 2$$

$$= \boxed{}$$

(3) $285 - 98$

$$= 285 - 100 + \boxed{}$$

$$= 185 + \boxed{}$$

$$= \boxed{}$$

(4) $466 - 204$

$$= 466 - 200 \bigcirc \boxed{}$$

$$= 266 \bigcirc \boxed{}$$

$$= \boxed{}$$

(5) $565 - 103$

$$= 565 \bigcirc \boxed{} \bigcirc \boxed{}$$

$$= \boxed{} \bigcirc \boxed{}$$

$$= \boxed{}$$

(6) $855 - 597$

$$=$$

$$=$$

$$=$$

(7) $736 - 102$

$$=$$

$$=$$

$$=$$

(8) $457 - 199$

$$=$$

$$=$$

$$=$$

(9) $632 - 105$

$$=$$

$$=$$

$$=$$

(10) $564 - 298$

$$=$$

$$=$$

$$=$$

(11) $521 - 406$

$$=$$

$$=$$

$$=$$





技巧练习

(1)

巧算下面各题。

$$(1) 19999 + 1999 + 199 + 19$$

$$= 20000 + 2000 + 200 + 20 - (1 + 1 + 1 + 1) \rightarrow$$

$$= \boxed{} - \boxed{}$$

$$= \boxed{}$$

将加数分别看作和它们最接近的整十、整百、整千、整万……的数，再减去多加的部分。

$$(2) 29999 + 2998 + 297 + 29$$

$$= 30000 + 3000 + \boxed{} + \boxed{} -$$

$$(1 + 2 + 3 + 1)$$

$$= \boxed{} - \boxed{}$$

$$= \boxed{}$$

$$(3) 9999 + 999 + 99 + 9$$

$$= 10000 + \boxed{} + \boxed{} + \boxed{} -$$

$$(\boxed{} + \boxed{} + \boxed{} + \boxed{})$$

$$= \boxed{} - \boxed{}$$

$$= \boxed{}$$

$$(4) 5996 + 596 + 59 + 9$$

$$=$$

$$=$$

$$=$$

$$(5) 19999 + 2998 + 397 + 49$$

$$=$$

$$=$$

$$=$$

$$(6) 29998 + 2998 + 298 + 98$$

$$=$$

$$=$$

$$=$$

$$(7) 399999 + 39999 + 3999 + 399$$

$$=$$

$$=$$

$$=$$



每天一得 连加时，如果每个加数都是接近整十、整百、整千、整万……的数，可以分别将它们看成接近的数，再把多加的部分减去。



技巧练习

(2)

巧算下面各题。

$$(1) \overset{\text{首项}}{\textcircled{1}} + 2 + 3 + 4 + \cdots + 29 + \overset{\text{末项}}{\textcircled{30}}$$

项数: 30个数

$$= (1 + 30) \times 30 \div 2$$

$$= \boxed{} \times 30 \div 2$$

$$= \boxed{}$$

$$(2) \textcircled{1} + 2 + 3 + 4 + \cdots + 49 + \textcircled{50}$$

项数: 50个数

$$= (1 + 50) \times 50 \div 2$$

$$= \boxed{} \times 50 \div 2$$

$$= \boxed{}$$

$$(3) \textcircled{1} + 2 + 3 + 4 + \cdots + 199 + \textcircled{200}$$

$$= (\boxed{} + \boxed{}) \times \boxed{} \div 2$$

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

$$= \boxed{}$$

$$(4) \textcircled{2} + 4 + 6 + 8 + 10 + 12 + \cdots + \textcircled{20}$$

$$= (2 + 20) \times \boxed{} \div 2$$

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

$$= \boxed{}$$

$$(5) 3 + 6 + 9 + 12 + \cdots + 30$$

$$=$$

$$=$$

$$=$$

$$(6) 5 + 10 + 15 + 20 + \cdots + 50$$

$$=$$

$$=$$

$$=$$

$$(7) 10 + 20 + 30 + \cdots + 100$$

$$=$$

$$=$$

$$=$$

$$(8) 20 + 40 + 60 + \cdots + 200$$

$$=$$

$$=$$

$$=$$





乘法运算定律(1)

先用竖式计算,再运用乘法交换律进行验算。

(1) $28 \times 39 =$

$$\begin{array}{r} 28 \\ \times 39 \\ \hline \end{array}$$

验算: 39

$$\begin{array}{r} 39 \\ \times 28 \\ \hline \end{array}$$

(2) $12 \times 47 =$

验算:

(3) $23 \times 56 =$

验算:

(4) $37 \times 25 =$

验算:

(5) $19 \times 28 =$

验算:

(6) $52 \times 13 =$

验算:

(7) $36 \times 42 =$

验算:

(8) $64 \times 22 =$

验算:





乘法运算定律(2)

计算下面各题,怎样简便就怎样计算。

(1) $25 \times 7 \times 4$

$= 25 \times 4 \times \square$

$=$

$=$

25×4=100, 先算
25×4比较简便。



(2) $50 \times 9 \times 2$

$= \square \times \square \times 9$

$=$

$=$

(3) $16 \times 7 \times 5$

$=$

$=$

$=$

(4) $8 \times 68 \times 125$

$=$

$=$

$=$

(5) $25 \times 9 \times 2$

$=$

$=$

$=$

(6) $9 \times 25 \times 4$

$=$

$=$

$=$

(7) $52 \times 125 \times 8$

$=$

$=$

$=$

(8) $173 \times 2 \times 5$

$=$

$=$

$=$

(9) $(86 \times 8) \times 125$

$=$

$=$

$=$

(10) $8 \times (25 \times 6)$

$=$

$=$

$=$

(11) $51 \times 5 \times 6$

$=$

$=$

$=$





乘法运算定律(3)

简便计算。

(1) $125 \times 3 \times 17 \times 8$

$$= (125 \times \square) \times (3 \times \square) = (125 \times \square) \times (\square \times \square) =$$

$$=$$

=

(2) $(75 \times 125) \times (8 \times 2)$

=

=

(3) $25 \times 31 \times 4 \times 7$

=

=

(4) $25 \times 13 \times 4 \times 2$

=

=

=

(5) $34 \times 2 \times 5 \times 3$

=

=

=

(6) $125 \times 23 \times 8 \times 6$

=

=

=

(7) $2 \times 28 \times 3 \times 5$

=

=

=

(8) $(25 \times 3) \times (6 \times 4)$

=

=

=

(9) $125 \times 29 \times 8 \times 4$

=

=

=

(10) $75 \times 9 \times 9 \times 4$

=

=

=

(11) $52 \times 25 \times 3 \times 4$

=

=

=

(12) $(7 \times 125) \times (14 \times 8)$

=

=

=





运用乘法分配律计算下面各题。

$$(1) (125+3) \times 8$$

$$= \square \times 8 + \square \times 8$$

=

=

$$(2) 25 \times (100-4)$$

$$= 25 \times \square - 25 \times \square$$

=

=

$$(3) 355 \times (100+2)$$

$$= 355 \times \square + 355 \times \square$$

=

=

$$(4) (20+4) \times 25$$

=

=

=

$$(5) 36 \times (100-2)$$

=

=

=

$$(6) (8+10) \times 125$$

=

=

=

$$(7) (100+3) \times 52$$

=

=

=

$$(8) 37 \times (200-2)$$

=

=

=

$$(9) 38 \times (100-5)$$

=

=

=

$$(10) 17 \times (50+3)$$

=

=

=

$$(11) (125+12) \times 8$$

=

=

=

$$(12) (40-8) \times 25$$

=

=

=





乘法运算定律(5)

用简便方法计算下面各题。

(1) $18 \times 32 + 42 \times 32$

$$\begin{array}{c}
 18 \text{ 个 } 32 + 42 \text{ 个 } 32 \\
 \uparrow \quad \quad \uparrow \\
 (18+42) \text{ 个 } 32 \\
 = (\square + \square) \times 32 \\
 = \\
 =
 \end{array}$$

(2) $103 \times 37 - 3 \times 37$

$$\begin{array}{c}
 103 \text{ 个 } 37 - 3 \text{ 个 } 37 \\
 \uparrow \quad \quad \uparrow \\
 (103-3) \text{ 个 } 37 \\
 = (\square - \square) \times 37 \\
 = \\
 =
 \end{array}$$

(3) $38 \times 72 + 38 \times 28$

$$\begin{array}{c}
 = 38 \times (\square + \square) \\
 = \\
 =
 \end{array}$$

(4) $32 \times 56 - 32 \times 46$

$$\begin{array}{c}
 = 32 \times (\square - \square) \\
 = \\
 =
 \end{array}$$

(5) $47 \times 36 + 53 \times 36$

$$\begin{array}{c}
 = (\square + \square) \times \square \\
 = \\
 =
 \end{array}$$

(6) $117 \times 22 - 117 \times 12$

$$\begin{array}{c}
 = \square \times (\square - \square) \\
 = \\
 =
 \end{array}$$

(7) $43 \times 27 + 43 \times 73$

$$\begin{array}{c}
 = \\
 = \\
 =
 \end{array}$$

(8) $36 \times 107 - 36 \times 7$

$$\begin{array}{c}
 = \\
 = \\
 =
 \end{array}$$

(9) $12 \times 57 + 88 \times 57$

$$\begin{array}{c}
 = \\
 = \\
 =
 \end{array}$$

(10) $148 \times 30 - 38 \times 30$

$$\begin{array}{c}
 = \\
 = \\
 =
 \end{array}$$

(11) $37 \times 125 + 125 \times 43$

$$\begin{array}{c}
 = \\
 = \\
 =
 \end{array}$$

(12) $35 \times 98 - 28 \times 35$

$$\begin{array}{c}
 = \\
 = \\
 =
 \end{array}$$





乘法运算定律(6)

下面的计算是否正确？正确的画“√”，不正确的画“×”，并把不正确的改正过来。

(1) $36 \times (100 + 1)$

$= 36 \times 100 + 1$

$= 3600 + 1$

$= 3601 \quad (\quad)$

改正：

(2) $25 \times (4 \times 3)$

$= (25 \times 4) \times (25 \times 3)$

$= 100 \times 75$

$= 7500 \quad (\quad)$

改正：

(3) $69 \times 55 + 21 \times 55$

$= (69 + 21) \times 55$

$= 100 \times 55$

$= 5500 \quad (\quad)$

改正：

(4) $87 \times 13 + 13 \times 13$

$= 13 \times (87 + 13)$

$= 13 \times 100$

$= 1300 \quad (\quad)$

改正：

(5) 25×16

$= 25 \times 10 \times 6$

$= 250 \times 6$

$= 1500 \quad (\quad)$

改正：

(6) 125×24

$= 125 \times 8 \times 16$

$= 1000 \times 16$

$= 16000 \quad (\quad)$

改正：





乘法运算定律(7)

用乘法分配律计算下面各题。

(1) 104×13

$= (100 + 4) \times 13$

 $=$ $=$ $=$

(2) 125×98

$= 125 \times (100 - 2)$

 $=$ $=$ $=$

(3) 50×22

$= 50 \times (20 + 2)$

 $=$ $=$ $=$

(4) 24×103

$= 24 \times (\square + \square)$

 $=$ $=$ $=$

(5) 101×77

$= (\square + \square) \times \square$

 $=$ $=$ $=$

(6) 35×99

$= \square \times (\square - \square)$

 $=$ $=$ $=$

(7) 27×97

 $=$ $=$ $=$ $=$

(8) 99×37

 $=$ $=$ $=$ $=$

(9) 28×201

 $=$ $=$ $=$ $=$

(10) 12×203

 $=$ $=$ $=$ $=$

(11) 16×48

 $=$ $=$ $=$ $=$

(12) 44×125

 $=$ $=$ $=$ $=$ 

每天一得 两数相乘,其中一个因数接近整十、整百数,可以将这个因数写成整十、整百数与一位数的和或差,再用乘法分配律,这样计算比较简便。



乘法运算定律(8)

用不同的方法简算下面各题。

(1) 125×88

方法一:

$$= 125 \times (8 \times 11)$$

$$=$$
$$=$$
$$=$$

方法二:

$$= 125 \times (80 + 8)$$

$$=$$
$$=$$
$$=$$

方法三:

$$= 1000 \div 8 \times 88$$

$$= 1000 \times 88 \div \boxed{}$$

$$=$$
$$=$$

(2) 25×44

方法一:

$$= 25 \times (\boxed{} \times \boxed{})$$

$$=$$
$$=$$
$$=$$

方法二:

$$= 25 \times (\boxed{} + \boxed{})$$

$$=$$
$$=$$
$$=$$

方法三:

$$= 100 \div 4 \times 44$$

$$=$$
$$=$$
$$=$$

(3) 24×25

方法一:

$$=$$
$$=$$
$$=$$
$$=$$

方法二:

$$=$$
$$=$$
$$=$$
$$=$$

方法三:

$$=$$
$$=$$
$$=$$
$$=$$

(4) 125×48

方法一:

$$=$$
$$=$$
$$=$$
$$=$$

方法二:

$$=$$
$$=$$
$$=$$
$$=$$

方法三:

$$=$$
$$=$$
$$=$$
$$=$$




乘法运算定律(9)

计算下面各题,怎样简便就怎样计算。

(1) $700 \div 25 \div 4$

$= 700 \div (25 \times 4)$

$= 700 \div \boxed{}$

$= \boxed{}$

(2) $12000 \div 8 \div 125$

$= 12000 \div (\boxed{} \times \boxed{})$

$= 12000 \div \boxed{}$

$= \boxed{}$

(3) $600 \div 12 \div 5$

$= 600 \div (\boxed{} \times \boxed{})$

$= \boxed{} \div \boxed{}$

$= \boxed{}$

(4) $5600 \div 35$

$= 5600 \div 7 \div 5$

$= \boxed{} \div 5$

$=$

(5) $180 \div 15$

$= 180 \div 3 \div \boxed{}$

$= \boxed{} \div \boxed{}$

$=$

(6) $720 \div 18$

$= 720 \div \boxed{} \div \boxed{}$

$= \boxed{} \div \boxed{}$

$=$

(7) $3600 \div 25 \div 4$

$=$

$=$

$=$

(8) $25000 \div 125 \div 8$

$=$

$=$

$=$

(9) $1100 \div 4 \div 25$

$=$

$=$

$=$

(10) $810 \div 45$

$=$

$=$

$=$

(11) $2700 \div 36$

$=$

$=$

$=$

(12) $900 \div 5 \div 6$

$=$

$=$

$=$





参考答案

第 1 页

1. (1) $270+160=430$

$$\begin{array}{r} 270 \\ +160 \\ \hline 430 \end{array}$$
 验算: $\begin{array}{r} 430 \\ -160 \\ \hline 270 \end{array}$ 或 $\begin{array}{r} 430 \\ -270 \\ \hline 160 \end{array}$

(2) $317+291=608$

$$\begin{array}{r} 317 \\ +291 \\ \hline 608 \end{array}$$
 验算: $\begin{array}{r} 608 \\ -291 \\ \hline 317 \end{array}$

(3) $453+277=730$

$$\begin{array}{r} 453 \\ +277 \\ \hline 730 \end{array}$$
 验算: $\begin{array}{r} 730 \\ -277 \\ \hline 453 \end{array}$

2. (1) $460+180=640$

$$\begin{array}{r} 460 \\ +180 \\ \hline 640 \end{array}$$
 验算: $\begin{array}{r} 640 \\ -180 \\ \hline 460 \end{array}$

(2) $367+283=650$

$$\begin{array}{r} 367 \\ +283 \\ \hline 650 \end{array}$$
 验算: $\begin{array}{r} 650 \\ -283 \\ \hline 367 \end{array}$

(3) $504+398=902$

$$\begin{array}{r} 504 \\ +398 \\ \hline 902 \end{array}$$
 验算: $\begin{array}{r} 902 \\ -398 \\ \hline 504 \end{array}$

(4) $486+235=721$

$$\begin{array}{r} 486 \\ +235 \\ \hline 721 \end{array}$$
 验算: $\begin{array}{r} 721 \\ -235 \\ \hline 486 \end{array}$

第 2 页

1. (1) $423-257=166$

$$\begin{array}{r} 423 \\ -257 \\ \hline 166 \end{array}$$
 验算: $\begin{array}{r} 166 \\ +257 \\ \hline 423 \end{array}$

(2) $504-265=239$

$$\begin{array}{r} 504 \\ -265 \\ \hline 239 \end{array}$$
 验算: $\begin{array}{r} 239 \\ +265 \\ \hline 504 \end{array}$

(3) $425-197=228$

$$\begin{array}{r} 425 \\ -197 \\ \hline 228 \end{array}$$
 验算: $\begin{array}{r} 228 \\ +197 \\ \hline 425 \end{array}$

(4) $613-458=155$

$$\begin{array}{r} 613 \\ -458 \\ \hline 155 \end{array}$$
 验算: $\begin{array}{r} 155 \\ +458 \\ \hline 613 \end{array}$

2. (1) $836-308=528$

$$\begin{array}{r} 836 \\ -308 \\ \hline 528 \end{array}$$
 验算: $\begin{array}{r} 528 \\ +308 \\ \hline 836 \end{array}$

(2) $755-588=167$

$$\begin{array}{r} 755 \\ -588 \\ \hline 167 \end{array}$$
 验算: $\begin{array}{r} 167 \\ +588 \\ \hline 755 \end{array}$

(3) $702-469=233$

$$\begin{array}{r} 702 \\ -469 \\ \hline 233 \end{array}$$
 验算: $\begin{array}{r} 233 \\ +469 \\ \hline 702 \end{array}$

(4) $900-736=164$

$$\begin{array}{r} 900 \\ -736 \\ \hline 164 \end{array}$$
 验算: $\begin{array}{r} 164 \\ +736 \\ \hline 900 \end{array}$

第 3 页

(1) $149+326=475$

$$\begin{array}{r} 149 \\ +326 \\ \hline 475 \end{array}$$
 验算: $\begin{array}{r} 475 \\ -326 \\ \hline 149 \end{array}$

(2) $592-379=213$

$$\begin{array}{r} 592 \\ -379 \\ \hline 213 \end{array}$$
 验算: $\begin{array}{r} 213 \\ +379 \\ \hline 592 \end{array}$

(3) $265+97=362$

$$\begin{array}{r} 265 \\ +97 \\ \hline 362 \end{array}$$
 验算: $\begin{array}{r} 362 \\ -97 \\ \hline 265 \end{array}$

(4) $370-88=282$

$$\begin{array}{r} 370 \\ -88 \\ \hline 282 \end{array}$$
 验算: $\begin{array}{r} 282 \\ +88 \\ \hline 370 \end{array}$

(5) $75+458=533$

$$\begin{array}{r} 75 \\ +458 \\ \hline 533 \end{array}$$
 验算: $\begin{array}{r} 533 \\ -458 \\ \hline 75 \end{array}$

(6) $600-275=325$

$$\begin{array}{r} 600 \\ -275 \\ \hline 325 \end{array}$$
 验算: $\begin{array}{r} 325 \\ +275 \\ \hline 600 \end{array}$

(7) $505-256=249$

$$\begin{array}{r} 505 \\ -256 \\ \hline 249 \end{array}$$
 验算: $\begin{array}{r} 249 \\ +256 \\ \hline 505 \end{array}$

(8) $843+77=920$

$$\begin{array}{r} 843 \\ +77 \\ \hline 920 \end{array}$$
 验算: $\begin{array}{r} 920 \\ -77 \\ \hline 843 \end{array}$

第 4 页

1. (1) $56 \times 24=1344$

$$\begin{array}{r} 56 \\ \times 24 \\ \hline 224 \\ 112 \\ \hline 1344 \end{array}$$

验算: $\begin{array}{r} 24 \\ 56 \overline{)1344} \\ \underline{112} \\ 224 \\ \underline{224} \\ 0 \end{array}$ 或 $\begin{array}{r} 56 \\ 24 \overline{)1344} \\ \underline{120} \\ 144 \\ \underline{144} \\ 0 \end{array}$

(2) $45 \times 25=1125$

$$\begin{array}{r} 45 \\ \times 25 \\ \hline 225 \\ 90 \\ \hline 1125 \end{array}$$
 验算: $\begin{array}{r} 45 \\ 25 \overline{)1125} \\ \underline{100} \\ 125 \\ \underline{125} \\ 0 \end{array}$

(3) $143 \times 17=2431$

$$\begin{array}{r} 143 \\ \times 17 \\ \hline 1001 \\ 143 \\ \hline 2431 \end{array}$$
 验算: $\begin{array}{r} 143 \\ 17 \overline{)2431} \\ \underline{17} \\ 73 \\ \underline{68} \\ 51 \\ \underline{51} \\ 0 \end{array}$

2. (1) $203 \times 23=4669$

$$\begin{array}{r} 203 \\ \times 23 \\ \hline 609 \\ 406 \\ \hline 4669 \end{array}$$
 验算: $\begin{array}{r} 203 \\ 23 \overline{)4669} \\ \underline{46} \\ 69 \\ \underline{69} \\ 0 \end{array}$

(2) $341 \times 25=8525$

$$\begin{array}{r} 341 \\ \times 25 \\ \hline 1705 \\ 682 \\ \hline 8525 \end{array}$$
 验算: $\begin{array}{r} 341 \\ 25 \overline{)8525} \\ \underline{75} \\ 102 \\ \underline{100} \\ 25 \\ \underline{25} \\ 0 \end{array}$

(3) $152 \times 44=6688$

$$\begin{array}{r} 152 \\ \times 44 \\ \hline 608 \\ 608 \\ \hline 6688 \end{array}$$
 验算: $\begin{array}{r} 152 \\ 44 \overline{)6688} \\ \underline{44} \\ 228 \\ \underline{220} \\ 88 \\ \underline{88} \\ 0 \end{array}$

(4) $405 \times 16=6480$

$$\begin{array}{r} 405 \\ \times 16 \\ \hline 2430 \\ 405 \\ \hline 6480 \end{array}$$
 验算: $\begin{array}{r} 405 \\ 16 \overline{)6480} \\ \underline{64} \\ 80 \\ \underline{80} \\ 0 \end{array}$

第 5 页

1. (1) $952 \div 28=34$

$$\begin{array}{r} 34 \\ 28 \overline{)952} \\ \underline{84} \\ 112 \\ \underline{112} \\ 0 \end{array}$$
 验算: $\begin{array}{r} 28 \\ \times 34 \\ \hline 112 \\ 84 \\ \hline 952 \end{array}$

(2) $450 \div 25=18$

$$\begin{array}{r} 18 \\ 25 \overline{)450} \\ \underline{200} \\ 250 \\ \underline{250} \\ 0 \end{array}$$
 验算: $\begin{array}{r} 25 \\ 18 \overline{)450} \\ \underline{36} \\ 90 \\ \underline{90} \\ 0 \end{array}$





(3) $518 \div 14 = 37$

$$\begin{array}{r} 37 \text{ 验算: } 37 \\ 14 \overline{) 518} \\ \underline{42} \\ 98 \\ \underline{98} \\ 0 \end{array} \quad \begin{array}{r} \times 14 \\ 148 \\ 518 \end{array}$$

(4) $912 \div 48 = 19$

$$\begin{array}{r} 19 \text{ 验算: } 48 \\ 48 \overline{) 912} \\ \underline{48} \\ 432 \\ \underline{48} \\ 912 \end{array} \quad \begin{array}{r} \times 19 \\ 432 \\ 912 \end{array}$$

2. (1) $434 \div 14 = 31$

$$\begin{array}{r} 31 \text{ 验算: } 31 \\ 14 \overline{) 434} \\ \underline{42} \\ 14 \\ \underline{14} \\ 0 \end{array} \quad \begin{array}{r} \times 14 \\ 124 \\ 434 \end{array}$$

(2) $288 \div 12 = 24$

$$\begin{array}{r} 24 \text{ 验算: } 24 \\ 12 \overline{) 288} \\ \underline{24} \\ 48 \\ \underline{48} \\ 0 \end{array} \quad \begin{array}{r} \times 12 \\ 48 \\ 288 \end{array}$$

(3) $928 \div 29 = 32$

$$\begin{array}{r} 32 \text{ 验算: } 32 \\ 29 \overline{) 928} \\ \underline{87} \\ 58 \\ \underline{58} \\ 0 \end{array} \quad \begin{array}{r} \times 29 \\ 288 \\ 928 \end{array}$$

(4) $1875 \div 75 = 25$

$$\begin{array}{r} 25 \text{ 验算: } 25 \\ 75 \overline{) 1875} \\ \underline{150} \\ 375 \\ \underline{375} \\ 0 \end{array} \quad \begin{array}{r} \times 75 \\ 125 \\ 1875 \end{array}$$

第6页

(1) $103 \times 72 = 7416$

$$\begin{array}{r} 103 \text{ 验算: } 103 \\ \times 72 \\ \hline 206 \\ 721 \\ \hline 7416 \end{array} \quad \begin{array}{r} 72 \overline{) 7416} \\ \underline{72} \\ 216 \\ \underline{216} \\ 0 \end{array}$$

(2) $580 \div 29 = 20$

$$\begin{array}{r} 20 \text{ 验算: } 29 \\ 29 \overline{) 580} \\ \underline{58} \\ 0 \end{array} \quad \begin{array}{r} \times 20 \\ 580 \end{array}$$

(3) $7014 \div 7 = 1002$

$$\begin{array}{r} 1002 \text{ 验算: } 1002 \\ 7 \overline{) 7014} \\ \underline{7} \\ 014 \\ \underline{14} \\ 0 \end{array} \quad \begin{array}{r} \times 7 \\ 7014 \end{array}$$

(4) $201 \times 27 = 5427$

$$\begin{array}{r} 201 \text{ 验算: } 201 \\ \times 27 \\ \hline 1407 \\ 5427 \\ \hline 5427 \end{array} \quad \begin{array}{r} 27 \overline{) 5427} \\ \underline{54} \\ 27 \\ \underline{27} \\ 0 \end{array}$$

(5) $803 \div 73 = 11$

$$\begin{array}{r} 11 \text{ 验算: } 73 \\ 73 \overline{) 803} \\ \underline{73} \\ 73 \\ \underline{73} \\ 0 \end{array} \quad \begin{array}{r} \times 11 \\ 73 \\ 803 \end{array}$$

(6) $725 \div 29 = 25$

$$\begin{array}{r} 25 \text{ 验算: } 29 \\ 29 \overline{) 725} \\ \underline{58} \\ 145 \\ \underline{145} \\ 0 \end{array} \quad \begin{array}{r} \times 25 \\ 145 \\ 725 \end{array}$$

(7) $340 \times 23 = 7820$

$$\begin{array}{r} 340 \text{ 验算: } 340 \\ \times 23 \\ \hline 102 \\ 68 \\ \hline 7820 \end{array} \quad \begin{array}{r} 23 \overline{) 7820} \\ \underline{69} \\ 92 \\ \underline{92} \\ 0 \end{array}$$

(8) $16 \times 480 = 7680$

$$\begin{array}{r} 16 \text{ 验算: } 480 \\ \times 480 \\ \hline 128 \\ 64 \\ \hline 7680 \end{array} \quad \begin{array}{r} 16 \overline{) 7680} \\ \underline{64} \\ 128 \\ \underline{128} \\ 0 \end{array}$$

第7页

(1) $35 \times 3 + 157 = 105 + 157 = 262$

(3) $180 \div 15 + 37 \times 5 = 12 + 185 = 197$

(4) $324 + 156 - 128 \div 16 = 324 + 156 - 8 = 480 - 8 = 472$

(5) $765 \div 3 - 155 - 37 = 255 - 155 - 37 = 100 - 37 = 63$

(6) $514 - 75 \times 2 + 76 = 514 - 150 + 76 = 364 + 76 = 440$

(7) $260 \div 4 + 32 \times 8 = 65 + 256 = 321$

(9) $72 \times 9 - 25 \times 4 = 648 - 100 = 548$

(11) $238 - 1058 \div 23 + 574 = 238 - 46 + 574 = 192 + 574 = 766$

(12) $36 \times 14 - 360 \div 15 = 504 - 24 = 480$

第8页

(1) $(32 - 18) \times 96 \div 8 = 14 \times 96 \div 8 = 1344 \div 8 = 168$

(2) $236 + 720 \div (132 - 87) = 236 + 720 \div 45 = 236 + 16 = 252$

(3) $732 - (126 + 58) \div 8 = 732 - 184 \div 8 = 732 - 23 = 709$

(4) $(375 + 125) \div (75 \div 3) = 500 \div 25 = 20$

(5) $(646 - 250) \div (3 \times 6) = 396 \div 18 = 22$

(6) $(156 + 34) \times (75 \div 25) = 190 \times 3 = 570$

(7) $(220 + 100) \times 3 - 50 = 320 \times 3 - 50 = 960 - 50 = 910$

(8) $480 - (96 + 50 \times 4) = 480 - (96 + 200) = 480 - 296 = 184$

(9) $(426 + 24) \div (23 + 27) = 450 \div 50 = 9$

(10) $300 + (72 - 42 \div 6) = 300 + (72 - 7) = 300 + 65 = 365$

(11) $859 - 540 \div (63 \div 7) = 859 - 540 \div 9 = 859 - 60 = 799$

(12) $25 \times (36 - 18 + 18) = 25 \times (18 + 18) = 25 \times 36 = 900$

第9页

(1) $72 \div [(18 - 15) \times 4] = 72 \div [3 \times 4] = 72 \div 12 = 6$

(2) $180 - [143 - (68 + 32)] = 180 - [143 - 100] = 180 - 43 = 137$

(3) $24 + [180 \div (3 \times 5)] = 24 + [180 \div 15] = 24 + 12 = 36$

(4) $[600 - (247 + 323)] \times 124 = [600 - 570] \times 124 = 30 \times 124 = 3720$

(5) $40 \times [185 - (93 - 18)] = 40 \times [185 - 75] = 40 \times 110 = 4400$

(6) $36 \times [(72 - 48) \div 6] = 36 \times [24 \div 6] = 36 \times 4 = 144$

(7) $864 \div [3 \times (400 - 388)] = 864 \div [3 \times 12] = 864 \div 36 = 24$





$$\begin{aligned}(8) & 360 \div [270 \div (147 - 138)] \\ &= 360 \div [270 \div 9] \\ &= 360 \div 30 \\ &= 12\end{aligned}$$

$$\begin{aligned}(9) & [345 + (625 - 478)] \div 41 \\ &= [345 + 147] \div 41 \\ &= 492 \div 41 \\ &= 12\end{aligned}$$

$$\begin{aligned}(10) & 53 \times [170 - (75 + 68)] \\ &= 53 \times [170 - 143] \\ &= 53 \times 27 \\ &= 1431\end{aligned}$$

$$\begin{aligned}(11) & 144 \div [960 \div (245 - 165)] \\ &= 144 \div [960 \div 80] \\ &= 144 \div 12 \\ &= 12\end{aligned}$$

$$\begin{aligned}(12) & 210 \div [(205 - 198) \times 2] \\ &= 210 \div [7 \times 2] \\ &= 210 \div 14 \\ &= 15\end{aligned}$$

第 10 页

$$\begin{aligned}(1) & 48 + 72 \div 3 \times 2 & (2) & (48 + 72) \div 3 \times 2 \\ &= 48 + 24 \times 2 & &= 120 \div 3 \times 2 \\ &= 48 + 48 & &= 40 \times 2 \\ &= 96 & &= 80\end{aligned}$$

$$\begin{aligned}(3) & (48 + 72) \div (3 \times 2) \\ &= 120 \div 6 \\ &= 20\end{aligned}$$

$$\begin{aligned}(4) & 96 + 12 \times 4 + 18 & (5) & 96 + 12 \times (4 + 18) \\ &= 96 + 48 + 18 & &= 96 + 12 \times 22 \\ &= 144 + 18 & &= 96 + 264 \\ &= 162 & &= 360\end{aligned}$$

$$\begin{aligned}(6) & (96 + 12) \times 4 + 18 \\ &= 108 \times 4 + 18 \\ &= 432 + 18 \\ &= 450\end{aligned}$$

$$\begin{aligned}(7) & 38 \times 24 - 6 + 17 & (8) & 38 \times (24 - 6) + 17 \\ &= 912 - 6 + 17 & &= 38 \times 18 + 17 \\ &= 906 + 17 & &= 684 + 17 \\ &= 923 & &= 701\end{aligned}$$

$$\begin{aligned}(9) & 38 \times [24 - (6 + 17)] \\ &= 38 \times [24 - 23] \\ &= 38 \times 1 \\ &= 38\end{aligned}$$

$$\begin{aligned}(10) & 56 \div 8 + 15 - 9 & (11) & 56 \div 8 + (15 - 9) \\ &= 7 + 15 - 9 & &= 56 \div 8 + 6 \\ &= 22 - 9 & &= 7 + 6 \\ &= 13 & &= 13\end{aligned}$$

$$\begin{aligned}(12) & 56 \div [8 + (15 - 9)] \\ &= 56 \div [8 + 6] \\ &= 56 \div 14 \\ &= 4\end{aligned}$$

第 11 页

$$\begin{aligned}(1) & (\times) \quad \text{改正: } 52 + 8 \times (26 - 17) \\ &= 52 + 8 \times 9 \\ &= 52 + 72 \\ &= 124\end{aligned}$$

$$\begin{aligned}(2) & (\times) \quad \text{改正: } (76 + 28) \div 2 \times 26 \\ &= 104 \div 2 \times 26 \\ &= 52 \times 26 \\ &= 1352\end{aligned}$$

$$\begin{aligned}(3) & (\times) \quad \text{改正: } 4 \times (50 - 18) \div 2 \\ &= 4 \times 32 \div 2 \\ &= 128 \div 2 \\ &= 64\end{aligned}$$

$$\begin{aligned}(4) & (\times) \quad \text{改正: } 200 - [15 \times (12 - 4)] \\ &= 200 - [15 \times 8] \\ &= 200 - 120 \\ &= 80\end{aligned}$$

$$\begin{aligned}(5) & (\times) \quad \text{改正: } 287 - [127 - (65 + 35)] \\ &= 287 - [127 - 100] \\ &= 287 - 27 \\ &= 260\end{aligned}$$

$$\begin{aligned}(6) & (\times) \quad \text{改正: } 30 \times (6 - 2) \div 2 \\ &= 30 \times 4 \div 2 \\ &= 120 \div 2 \\ &= 60\end{aligned}$$

第 12 页

$$\begin{aligned}(1) & 410 \times [(662 - 74) \div 49] \\ &= 410 \times [588 \div 49] \\ &= 410 \times 12 \\ &= 4920\end{aligned}$$

$$\begin{aligned}(2) & 8000 \div [8 \times (703 - 699)] \\ &= 8000 \div [8 \times 4] \\ &= 8000 \div 32 \\ &= 250\end{aligned}$$

$$\begin{aligned}(3) & (540 + 2418 \div 78) \times 17 \\ &= (540 + 31) \times 17 \\ &= 571 \times 17 \\ &= 9707\end{aligned}$$

$$\begin{aligned}(4) & 905 - (136 + 45) \times 5 \\ &= 905 - 181 \times 5 \\ &= 905 - 905 \\ &= 0\end{aligned}$$

$$\begin{aligned}(5) & 905 - 136 + 45 \times 5 \\ &= 905 - 136 + 225 \\ &= 769 + 225 \\ &= 994\end{aligned}$$

$$\begin{aligned}(6) & [905 - (136 + 45)] \times 5 \\ &= [905 - 181] \times 5 \\ &= 724 \times 5 \\ &= 3620\end{aligned}$$

$$\begin{aligned}(7) & (640 \div 8 + 22) \times 4 \\ &= (80 + 22) \times 4 \\ &= 102 \times 4 \\ &= 408\end{aligned}$$

$$\begin{aligned}(8) & 37 \times (24 \div 2 + 8) \\ &= 37 \times (12 + 8) \\ &= 37 \times 20 \\ &= 740\end{aligned}$$

$$\begin{aligned}(9) & 800 \div [400 - (360 - 160)] \\ &= 800 \div [400 - 200] \\ &= 800 \div 200 \\ &= 4\end{aligned}$$

$$\begin{aligned}(10) & 1680 \div [4 \times (13 - 9)] \\ &= 1680 \div [4 \times 4] \\ &= 1680 \div 16 \\ &= 105\end{aligned}$$

$$\begin{aligned}(11) & [157 - (42 + 71)] \times 85 \\ &= [157 - 113] \times 85 \\ &= 44 \times 85 \\ &= 3740\end{aligned}$$

$$\begin{aligned}(12) & 31 \times [(86 + 142) \div 19] \\ &= 31 \times [228 \div 19] \\ &= 31 \times 12 \\ &= 372\end{aligned}$$

第 13 页

$$\begin{aligned}1. & (1) 827 - 369 = 458 \\ & \quad 8 \ 2 \ 7 \quad \text{验算:} \quad 4 \ 5 \ 8 \\ & \quad \underline{- 3 \ 6 \ 9} \quad \quad \underline{+ 3 \ 6 \ 9} \\ & \quad 4 \ 5 \ 8 \quad \quad 8 \ 2 \ 7\end{aligned}$$

$$\begin{aligned}(2) & 803 \div 73 = 11 \\ & \quad 1 \ 1 \quad \text{验算:} \quad 7 \ 3 \\ & \quad 7 \ 3 \overline{) 8 \ 0 \ 3} \quad \quad \times \quad 1 \ 1 \\ & \quad \underline{7 \ 3} \quad \quad \quad \underline{7 \ 3} \\ & \quad \quad 7 \ 3 \quad \quad \quad \underline{7 \ 3} \\ & \quad \quad \underline{7 \ 3} \quad \quad \quad 8 \ 0 \ 3 \\ & \quad \quad \quad 0\end{aligned}$$

$$(3) 105 \times 62 = 6510$$

$$\begin{array}{r} 1 \ 0 \ 5 \quad \text{验算:} \quad 1 \ 0 \ 5 \\ \times \quad 6 \ 2 \\ \hline 2 \ 1 \ 0 \\ 6 \ 3 \ 0 \\ \hline 6 \ 5 \ 1 \ 0 \end{array}$$

$$(4) 635 + 465 = 1100$$

$$\begin{array}{r} 6 \ 3 \ 5 \quad \text{验算:} \quad 1 \ 1 \ 0 \ 0 \\ + \ 4 \ 6 \ 5 \\ \hline 1 \ 1 \ 0 \ 0 \end{array}$$

$$2. (1) 927 + 100 \div 5$$

$$\begin{aligned}&= 927 + 20 \\ &= 947\end{aligned}$$

$$\begin{aligned}(2) & (85 + 240) \div (30 - 5) \\ &= 325 \div 25 \\ &= 13\end{aligned}$$

$$\begin{aligned}(3) & 356 + 324 \div 18 \times 5 \\ &= 356 + 18 \times 5 \\ &= 356 + 90 \\ &= 446\end{aligned}$$

$$\begin{aligned}(4) & 327 - [11 \times (6 + 13)] \\ &= 327 - [11 \times 19] \\ &= 327 - 209 \\ &= 118\end{aligned}$$

$$\begin{aligned}(5) & (120 \times 2 + 120) \div 15 \\ &= (240 + 120) \div 15 \\ &= 360 \div 15 \\ &= 24\end{aligned}$$

$$\begin{aligned}(6) & 52 \times [(225 + 215) \div 5] \\ &= 52 \times [440 \div 5] \\ &= 52 \times 88 \\ &= 4576\end{aligned}$$

第 14 页

$$1. (1) 127 + 365 = 492$$

$$\begin{array}{r} 1 \ 2 \ 7 \quad \text{验算:} \quad 3 \ 6 \ 5 \\ + \ 3 \ 6 \ 5 \\ \hline 4 \ 9 \ 2 \end{array}$$

$$(2) 1028 + 576 = 1604$$

$$\begin{array}{r} 1 \ 0 \ 2 \ 8 \quad \text{验算:} \quad 5 \ 7 \ 6 \\ + \ 5 \ 7 \ 6 \\ \hline 1 \ 6 \ 0 \ 4 \end{array}$$

$$(3) 38 + 529 = 567$$

$$\begin{array}{r} 3 \ 8 \quad \text{验算:} \quad 5 \ 2 \ 9 \\ + \ 5 \ 2 \ 9 \\ \hline 5 \ 6 \ 7 \end{array}$$

$$(4) 125 + 2367 = 2492$$

$$\begin{array}{r} 1 \ 2 \ 5 \quad \text{验算:} \quad 2 \ 3 \ 6 \ 7 \\ + \ 2 \ 3 \ 6 \ 7 \\ \hline 2 \ 4 \ 9 \ 2 \end{array}$$

$$2. (1) 72 + 58 + 28 \quad (2) 127 + 35 + 873$$

$$\begin{aligned}&= 72 + 28 + 58 & &= 127 + 873 + 35 \\ &= 100 + 58 & &= 1000 + 35 \\ &= 158 & &= 1035\end{aligned}$$

$$\begin{aligned}(3) & 346 + 157 + 54 & (4) & 147 + 256 + 453 \\ &= 346 + 54 + 157 & &= 147 + 453 + 256 \\ &= 400 + 157 & &= 600 + 256 \\ &= 557 & &= 856\end{aligned}$$

$$\begin{aligned}(5) & 281 + 127 + 319 & (6) & 238 + 369 + 162 \\ &= 281 + 319 + 127 & &= 238 + 162 + 369 \\ &= 600 + 127 & &= 400 + 369 \\ &= 727 & &= 769\end{aligned}$$

第 15 页

$$\begin{aligned}(1) & 58 + (342 + 49) & (2) & (41 + 128) + 872 \\ &= (58 + 342) + 49 & &= 41 + (128 + 872) \\ &= 400 + 49 & &= 41 + 1000 \\ &= 449 & &= 1041\end{aligned}$$





$$\begin{aligned}
 (3) 111+234+66 &= 111+(234+66) = 111+300 = 411 \\
 (4) 247+(183+218) &= (247+183)+218 = 430+218 = 648 \\
 (5) 439+(61+284) &= (439+61)+284 = 500+284 = 784 \\
 (6) 328+105+95 &= 328+(105+95) = 328+200 = 528 \\
 (7) 236+(264+159) &= (236+264)+159 = 500+159 = 659 \\
 (8) 337+229+171 &= 337+(229+171) = 337+400 = 737 \\
 (9) 255+(145+158) &= (255+145)+158 = 400+158 = 558 \\
 (10) 524+183+217 &= 524+(183+217) = 524+400 = 924 \\
 (11) 433+109+291 &= 433+(109+291) = 433+400 = 833 \\
 (12) 323+(177+207) &= (323+177)+207 = 500+207 = 707
 \end{aligned}$$

第 16 页

$$\begin{aligned}
 (1) 154+173+46+227 &= 154+46+173+227 \leftarrow \text{交换} \\
 &= (154+46)+(173+227) \leftarrow \text{结合} \\
 &= 200+400 = 600 \\
 (2) 116+23+884+177 &= 116+884+23+177 \\
 &= (116+884)+(23+177) \\
 &= 1000+200 = 1200 \\
 (3) 82+219+181+218 &= 82+218+219+181 \\
 &= (82+218)+(219+181) \\
 &= 300+400 = 700 \\
 (4) 145+111+889+155 &= 145+155+111+889 \\
 &= (145+155)+(111+889) \\
 &= 300+1000 = 1300 \\
 (5) 275+158+125+42 &= 275+125+158+42 \\
 &= (275+125)+(158+42) \\
 &= 400+200 = 600 \\
 (6) 275+166+25+134 &= 275+25+166+134 \\
 &= (275+25)+(166+134) \\
 &= 300+300 = 600 \\
 (7) 231+122+169+178 &= 231+169+122+178 \\
 &= (231+169)+(122+178) \\
 &= 400+300 = 700 \\
 (8) 95+301+199+105 &= 95+105+301+199 \\
 &= (95+105)+(301+199) \\
 &= 200+500 = 700 \\
 (9) 263+172+228+137 &= 263+137+172+228 \\
 &= (263+137)+(172+228) \\
 &= 400+400 = 800 \\
 (10) 213+152+387+48 &= 213+387+152+48 \\
 &= (213+387)+(152+48) \\
 &= 600+200 = 800
 \end{aligned}$$

$$\begin{aligned}
 (11) 333+122+67+278 &= 333+67+122+278 \\
 &= (333+67)+(122+278) \\
 &= 400+400 = 800
 \end{aligned}$$

第 17 页

$$\begin{aligned}
 (1) 113+72+887 &= (113+887)+72 = 1000+72 = 1072 \\
 (2) 145+26+455+74+54 &= (145+455)+(26+74)+54 \\
 &= 600+100+54 = 700+54 = 754 \\
 (3) 156+45+755 &= 156+(45+755) = 156+800 = 956 \\
 (4) 114+36+386+124+76 &= (114+386)+(124+76)+36 \\
 &= 500+200+36 = 700+36 = 736 \\
 (5) 21+611+79+389 &= (21+79)+(611+389) \\
 &= 100+1000 = 1100 \\
 (6) 157+345+843+655 &= (157+843)+(345+655) \\
 &= 1000+1000 = 2000 \\
 (7) 123+167+77 &= (123+77)+167 = 200+167 = 367 \\
 (8) 472+125+275 &= 472+(125+275) = 472+400 = 872 \\
 (9) 76+362+124+38 &= (76+124)+(362+38) \\
 &= 200+400 = 600 \\
 (10) 155+270+230+245 &= (155+245)+(270+230) \\
 &= 400+500 = 900 \\
 (11) 283+157+243 &= 283+(157+243) = 283+400 = 683 \\
 (12) 107+173+93+27 &= (107+93)+(173+27) \\
 &= 200+200 = 400
 \end{aligned}$$

第 18 页

$$\begin{aligned}
 (1) 744-68-132 &= 744-(68+132) = 744-200 = 544 \\
 (2) 327-113-87 &= 327-(113+87) = 327-200 = 127 \\
 (3) 728-252-148 &= 728-(252+148) = 728-400 = 328 \\
 (4) 630-155-345 &= 630-(155+345) = 630-500 = 130
 \end{aligned}$$

$$\begin{aligned}
 (5) 898-163-437 &= 898-(163+437) = 898-600 = 298 \\
 (6) 628-36-64 &= 628-(36+64) = 628-100 = 528 \\
 (7) 905-229-371 &= 905-(229+371) = 905-600 = 305 \\
 (8) 367-44-56 &= 367-(44+56) = 367-100 = 267 \\
 (9) 389-35-65 &= 389-(35+65) = 389-100 = 289 \\
 (10) 872-261-339 &= 872-(261+339) = 872-600 = 272 \\
 (11) 524-222-278 &= 524-(222+278) = 524-500 = 24 \\
 (12) 409-103-29 &= 409-29-103 = 380-103 = 277
 \end{aligned}$$

第 19 页

$$\begin{aligned}
 (1) 533-142-133 &= 533-133-142 = 400-142 = 258 \\
 (2) 1472-367-472 &= 1472-472-367 = 1000-367 = 633 \\
 (3) 368-74-68 &= 368-68-74 = 300-74 = 226 \\
 (4) 324-146-124 &= 324-124-146 = 200-146 = 54 \\
 (5) 343-168-143 &= 343-143-168 = 200-168 = 32 \\
 (6) 635-288-335 &= 635-335-288 = 300-288 = 12 \\
 (7) 752-437-252 &= 752-252-437 = 500-437 = 63 \\
 (8) 527-239-227 &= 527-227-239 = 300-239 = 61 \\
 (9) 905-187-705 &= 905-705-187 = 200-187 = 13 \\
 (10) 1828-979-828 &= 1828-828-979 = 1000-979 = 21
 \end{aligned}$$





$$\begin{aligned}(11) & 839-472-339 \\ & =839-339-472 \\ & =500-472 \\ & =28 \\ (12) & 1189-568-189 \\ & =1189-189-568 \\ & =1000-568 \\ & =432\end{aligned}$$

第 20 页

$$\begin{aligned}(1) & 628-113-287 \\ & =628-(113+287) \\ & =628-400 \\ & =228 \\ (2) & 542-184-142 \\ & =542-142-184 \\ & =400-184 \\ & =216 \\ (3) & 871-243-471 \\ & =871-471-243 \\ & =400-243 \\ & =157 \\ (4) & 347-165-135 \\ & =347-(165+135) \\ & =347-300 \\ & =47 \\ (5) & 354-72-54 \\ & =354-54-72 \\ & =300-72 \\ & =228 \\ (6) & 532-224-76 \\ & =532-(224+76) \\ & =532-300 \\ & =232 \\ (7) & 832-245-432 \\ & =832-432-245 \\ & =400-245 \\ & =155 \\ (8) & 775-181-219 \\ & =775-(181+219) \\ & =775-400 \\ & =375 \\ (9) & 763-425-63 \\ & =763-63-425 \\ & =700-425 \\ & =275 \\ (10) & 1030-544-456 \\ & =1030-(544+456) \\ & =1030-1000 \\ & =30 \\ (11) & 983-727-183 \\ & =983-183-727 \\ & =800-727 \\ & =73 \\ (12) & 1375-759-141 \\ & =1375-(759+141) \\ & =1375-900 \\ & =475\end{aligned}$$

第 21 页

$$\begin{aligned}(1) & 457-83-157-117 \\ & =(457-157)-(83+117) \\ & =300-200 \\ & =100 \\ (2) & 284-36-24-40 \\ & =284-(36+24+40) \\ & =284-100 \\ & =184 \\ (3) & 856-56-72-128 \\ & =(856-56)-(72+128) \\ & =800-200 \\ & =600 \\ (4) & 632-51-149-132 \\ & =(632-132)-(51+149) \\ & =500-200 \\ & =300\end{aligned}$$

$$\begin{aligned}(5) & 725-64-36-100 \\ & =725-(64+36+100) \\ & =725-200 \\ & =525 \\ (6) & 854-145-38-355 \\ & =854-(145+355)-38 \\ & =854-500-38 \\ & =354-38 \\ & =316 \\ (7) & 725-54-125-46 \\ & =(725-125)-(54+46) \\ & =600-100 \\ & =500 \\ (8) & 907-77-23-200 \\ & =(907-200)-(77+23) \\ & =707-100 \\ & =607 \\ (9) & 678-236-72-164 \\ & =(678-72)-(236+164) \\ & =606-400 \\ & =206 \\ (10) & 866-129-271-300 \\ & =(866-300)-(129+271) \\ & =566-400 \\ & =166 \\ (11) & 1013-113-295-305 \\ & =(1013-113)-(295+305) \\ & =900-600 \\ & =300 \\ (12) & 1125-125-55-245 \\ & =(1125-125)-(55+245) \\ & =1000-300 \\ & =700\end{aligned}$$

第 22 页

$$\begin{aligned}(1) & (\times) \text{ 改正: } 321-155-45 \\ & =321-(155+45) \\ & =321-200 \\ & =121 \\ (2) & (\times) \text{ 改正: } 386-137+63 \\ & =249+63 \\ & =312 \\ (3) & (\times) \text{ 改正: } 543+138-57 \\ & =681-57 \\ & =624 \\ (4) & (\times) \text{ 改正: } 557-157+43 \\ & =400+43 \\ & =443 \\ (5) & (\times) \text{ 改正: } 748-(112+28) \\ & =748-112-28 \\ & =636-28 \\ & =608 \\ (6) & (\times) \text{ 改正: } 957+43-157 \\ & =957-157+43 \\ & =800+43 \\ & =843\end{aligned}$$

第 23 页

$$\begin{aligned}(1) & 327+101 \\ & =327+100+1 \\ & =427+1 \\ & =428 \\ (3) & 288+98 \\ & =288+100-2 \\ & =388-2 \\ & =386 \\ (5) & 562+103 \\ & =562+100+3 \\ & =662+3 \\ & =665 \\ (7) & 732+102 \\ & =732+100+2 \\ & =832+2 \\ & =834 \\ (2) & 253+99 \\ & =253+100-1 \\ & =353-1 \\ & =352 \\ (4) & 467+204 \\ & =467+200+4 \\ & =667+4 \\ & =671 \\ (6) & 865+597 \\ & =865+600-3 \\ & =1465-3 \\ & =1462 \\ (8) & 456+199 \\ & =456+200-1 \\ & =656-1 \\ & =655\end{aligned}$$

$$\begin{aligned}(9) & 634+105 \\ & =634+100+5 \\ & =734+5 \\ & =739 \\ (11) & 228+406 \\ & =228+400+6 \\ & =628+6 \\ & =634 \\ (10) & 569+298 \\ & =569+300-2 \\ & =869-2 \\ & =867\end{aligned}$$

第 24 页

$$\begin{aligned}(1) & 375-199 \\ & =375-200+1 \\ & =175+1 \\ & =176 \\ (3) & 285-98 \\ & =285-100+2 \\ & =185+2 \\ & =187 \\ (5) & 565-103 \\ & =565-100-3 \\ & =465-3 \\ & =462 \\ (7) & 736-102 \\ & =736-100-2 \\ & =636-2 \\ & =634 \\ (9) & 632-105 \\ & =632-100-5 \\ & =532-5 \\ & =527 \\ (11) & 521-406 \\ & =521-400-6 \\ & =121-6 \\ & =115 \\ (2) & 363-102 \\ & =363-100-2 \\ & =263-2 \\ & =261 \\ (4) & 466-204 \\ & =466-200-4 \\ & =266-4 \\ & =262 \\ (6) & 855-597 \\ & =855-600+3 \\ & =255+3 \\ & =258 \\ (8) & 457-199 \\ & =457-200+1 \\ & =257+1 \\ & =258 \\ (10) & 564-298 \\ & =564-300+2 \\ & =264+2 \\ & =266\end{aligned}$$

第 25 页

$$\begin{aligned}(1) & 19999+1999+199+19 \\ & =20000+2000+200+20-(1+1+1+1) \\ & =22220-4 \\ & =22216 \\ (2) & 29999+2998+297+29 \\ & =30000+3000+300+30-(1+2+3+1) \\ & =33330-7 \\ & =33323 \\ (3) & 9999+999+99+9 \\ & =10000+1000+100+10-(1+1+1+1) \\ & =11110-4 \\ & =11106 \\ (4) & 5996+596+59+9 \\ & =6000+600+60+10-(4+4+1+1) \\ & =6670-10 \\ & =6660 \\ (5) & 19999+2998+397+49 \\ & =20000+3000+400+50-(1+2+3+1) \\ & =23450-7 \\ & =23443 \\ (6) & 29998+2998+298+98 \\ & =30000+3000+300+100-(2+2+2+2) \\ & =33400-8 \\ & =33392 \\ (7) & 399999+39999+3999+399 \\ & =400000+40000+4000+400-(1+1+1+1) \\ & =444400-4 \\ & =444396\end{aligned}$$

第 26 页

$$\begin{aligned}(1) & 1+2+3+4+\cdots+29+30 \\ & = (1+30) \times 30 \div 2 \\ & =31 \times 30 \div 2 \\ & =465 \\ (2) & 1+2+3+4+\cdots+49+50 \\ & = (1+50) \times 50 \div 2 \\ & =51 \times 50 \div 2 \\ & =1275\end{aligned}$$





(3) $1+2+3+4+\cdots+199+200$

$= (1+200) \times 200 \div 2$

$= 201 \times 200 \div 2$

$= 20100$

(4) $2+4+6+8+10+12+\cdots+20$

$= (2+20) \times 10 \div 2$

$= 22 \times 10 \div 2$

$= 110$

(5) $3+6+9+12+\cdots+30$

$= (3+30) \times 10 \div 2$

$= 33 \times 10 \div 2$

$= 165$

(6) $5+10+15+20+\cdots+50$

$= (5+50) \times 10 \div 2$

$= 55 \times 10 \div 2$

$= 275$

(7) $10+20+30+\cdots+100$

$= (10+100) \times 10 \div 2$

$= 110 \times 10 \div 2$

$= 550$

(8) $20+40+60+\cdots+200$

$= (20+200) \times 10 \div 2$

$= 220 \times 10 \div 2$

$= 1100$

第 27 页

(1) $28 \times 39 = 1092$

$$\begin{array}{r} 28 \\ \times 39 \\ \hline 252 \\ 84 \\ \hline 1092 \end{array}$$

(2) $12 \times 47 = 564$

$$\begin{array}{r} 12 \\ \times 47 \\ \hline 84 \\ 564 \\ \hline 564 \end{array}$$

(3) $23 \times 56 = 1288$

$$\begin{array}{r} 23 \\ \times 56 \\ \hline 138 \\ 115 \\ \hline 1288 \end{array}$$

(4) $37 \times 25 = 925$

$$\begin{array}{r} 37 \\ \times 25 \\ \hline 185 \\ 74 \\ \hline 925 \end{array}$$

(5) $19 \times 28 = 532$

$$\begin{array}{r} 19 \\ \times 28 \\ \hline 152 \\ 38 \\ \hline 532 \end{array}$$

(6) $52 \times 13 = 676$

$$\begin{array}{r} 52 \\ \times 13 \\ \hline 156 \\ 52 \\ \hline 676 \end{array}$$

(7) $36 \times 42 = 1512$

$$\begin{array}{r} 36 \\ \times 42 \\ \hline 72 \\ 144 \\ \hline 1512 \end{array}$$

(8) $64 \times 22 = 1408$

$$\begin{array}{r} 64 \\ \times 22 \\ \hline 128 \\ 1408 \\ \hline 1408 \end{array}$$

第 28 页

(1) $25 \times 7 \times 4$

$= 25 \times 4 \times 7$

$= 100 \times 7$

$= 700$

(3) $16 \times 7 \times 5$

$= 16 \times 5 \times 7$

$= 80 \times 7$

$= 560$

(5) $25 \times 9 \times 2$

$= 25 \times 2 \times 9$

$= 50 \times 9$

$= 450$

(7) $52 \times 125 \times 8$

$= 125 \times 8 \times 52$

$= 1000 \times 52$

$= 52000$

(9) $(86 \times 8) \times 125$

$= 8 \times 125 \times 86$

$= 1000 \times 86$

$= 86000$

(11) $51 \times 5 \times 6$

$= 5 \times 6 \times 51$

$= 30 \times 51$

$= 1530$

第 29 页

(1) $125 \times 3 \times 17 \times 8$

$= (125 \times 8) \times (3 \times 17)$

$= 1000 \times 51$

$= 51000$

(2) $(75 \times 125) \times (8 \times 2)$

$= (125 \times 8) \times (75 \times 2)$

$= 1000 \times 150$

$= 150000$

(3) $25 \times 31 \times 4 \times 7$

$= (25 \times 4) \times (31 \times 7)$

$= 100 \times 217$

$= 21700$

(4) $25 \times 13 \times 4 \times 2$

$= (25 \times 4) \times (13 \times 2)$

$= 100 \times 26$

$= 2600$

(5) $34 \times 2 \times 5 \times 3$

$= (2 \times 5) \times (34 \times 3)$

$= 10 \times 102$

$= 1020$

(6) $125 \times 23 \times 8 \times 6$

$= (125 \times 8) \times (23 \times 6)$

$= 1000 \times 138$

$= 138000$

(7) $2 \times 28 \times 3 \times 5$

$= (2 \times 5) \times (28 \times 3)$

$= 10 \times 84$

$= 840$

(8) $(25 \times 3) \times (6 \times 4)$

$= (25 \times 4) \times (6 \times 3)$

$= 100 \times 18$

$= 1800$

(9) $125 \times 29 \times 8 \times 4$

$= (125 \times 8) \times (29 \times 4)$

$= 1000 \times 116$

$= 116000$

(10) $75 \times 9 \times 9 \times 4$

$= (75 \times 4) \times (9 \times 9)$

$= 300 \times 81$

$= 24300$

(11) $52 \times 25 \times 3 \times 4$

$= (25 \times 4) \times (52 \times 3)$

$= 100 \times 156$

$= 15600$

(12) $(7 \times 125) \times (14 \times 8)$

$= (8 \times 125) \times (14 \times 7)$

$= 1000 \times 98$

$= 98000$

第 30 页

(1) $(125+3) \times 8$

$= 125 \times 8 + 3 \times 8$

$= 1000 + 24$

$= 1024$

(3) $355 \times (100+2)$

$= 355 \times 100 + 355 \times 2$

$= 35500 + 710$

$= 36210$

(5) $36 \times (100-2)$

$= 36 \times 100 - 36 \times 2$

$= 3600 - 72$

$= 3528$

(7) $(100+3) \times 52$

$= 100 \times 52 + 3 \times 52$

$= 5200 + 156$

$= 5356$

(9) $38 \times (100-5)$

$= 38 \times 100 - 38 \times 5$

$= 3800 - 190$

$= 3610$

(11) $(125+12) \times 8$

$= 125 \times 8 + 12 \times 8$

$= 1000 + 96$

$= 1096$

第 31 页

(1) $18 \times 32 + 42 \times 32$

$= (18+42) \times 32$

$= 60 \times 32$

$= 1920$

(3) $38 \times 72 + 38 \times 28$

$= 38 \times (72+28)$

$= 38 \times 100$

$= 3800$

(5) $47 \times 36 + 53 \times 36$

$= (47+53) \times 36$

$= 100 \times 36$

$= 3600$

(7) $43 \times 27 + 43 \times 73$

$= 43 \times (27+73)$

$= 43 \times 100$

$= 4300$

(9) $12 \times 57 + 88 \times 57$

$= 57 \times (12+88)$

$= 57 \times 100$

$= 5700$

(11) $37 \times 125 + 125 \times 43$

$= 125 \times (37+43)$

$= 125 \times 80$

$= 10000$

(12) $35 \times 98 - 28 \times 35$

$= 35 \times (98-28)$

$= 35 \times 70$

$= 2450$

第 32 页

(1) (×) 改正: $36 \times (100+1)$

$= 36 \times 100 + 36 \times 1$

$= 3600 + 36$

$= 3636$

(2) (×) 改正: $25 \times (4 \times 3)$

$= 25 \times 4 \times 3$

$= 100 \times 3$

$= 300$

(3) (×) 改正: $69 \times 55 + 21 \times 55$

$= 55 \times (69+21)$

$= 55 \times 90$

$= 4950$





- (4)(√)
 (5)(×) 改正: 25×16
 $= 25 \times 4 \times 4$
 $= 100 \times 4$
 $= 400$
 (6)(×) 改正: 125×24
 $= 125 \times 8 \times 3$
 $= 1000 \times 3$
 $= 3000$

第 33 页

- (1) 104×13
 $= (100 + 4) \times 13$
 $= 100 \times 13 + 4 \times 13$
 $= 1300 + 52$
 $= 1352$
 (2) 125×98
 $= 125 \times (100 - 2)$
 $= 125 \times 100 - 125 \times 2$
 $= 12500 - 250$
 $= 12250$
 (3) 50×22
 $= 50 \times (20 + 2)$
 $= 50 \times 20 + 50 \times 2$
 $= 1000 + 100$
 $= 1100$
 (4) 24×103
 $= 24 \times (100 + 3)$
 $= 24 \times 100 + 24 \times 3$
 $= 2400 + 72$
 $= 2472$
 (5) 101×77
 $= (100 + 1) \times 77$
 $= 100 \times 77 + 1 \times 77$
 $= 7700 + 77$
 $= 7777$
 (6) 35×99
 $= 35 \times (100 - 1)$
 $= 35 \times 100 - 35 \times 1$
 $= 3500 - 35$
 $= 3465$
 (7) 27×97
 $= 27 \times (100 - 3)$
 $= 27 \times 100 - 27 \times 3$
 $= 2700 - 81$
 $= 2619$
 (8) 99×37
 $= (100 - 1) \times 37$
 $= 100 \times 37 - 1 \times 37$
 $= 3700 - 37$
 $= 3663$
 (9) 28×201
 $= 28 \times (200 + 1)$
 $= 28 \times 200 + 28 \times 1$
 $= 5600 + 28$
 $= 5628$
 (10) 12×203
 $= 12 \times (200 + 3)$
 $= 12 \times 200 + 12 \times 3$
 $= 2400 + 36$
 $= 2436$
 (11) 16×48
 $= 16 \times (50 - 2)$
 $= 16 \times 50 - 16 \times 2$
 $= 800 - 32$
 $= 768$
 (12) 44×125
 $= (40 + 4) \times 125$
 $= 40 \times 125 + 4 \times 125$
 $= 5000 + 500$
 $= 5500$

第 34 页

- (1) 方法一: 125×88
 $= 125 \times (8 \times 11)$
 $= 125 \times 8 \times 11$

- $= 1000 \times 11$
 $= 11000$
 方法二: 125×88
 $= 125 \times (80 + 8)$
 $= 125 \times 80 + 125 \times 8$
 $= 10000 + 1000$
 $= 11000$
 方法三: 125×88
 $= 1000 \div 8 \times 88$
 $= 1000 \times 88 \div 8$
 $= 88000 \div 8$
 $= 11000$

- (2) 方法一: 25×44
 $= 25 \times (4 \times 11)$
 $= 25 \times 4 \times 11$
 $= 100 \times 11$
 $= 1100$

- 方法二: 25×44
 $= 25 \times (40 + 4)$
 $= 25 \times 40 + 25 \times 4$
 $= 1000 + 100$
 $= 1100$

- 方法三: 25×44
 $= 100 \div 4 \times 44$
 $= 100 \times 44 \div 4$
 $= 4400 \div 4$
 $= 1100$

- (3) 方法一: 24×25
 $= 25 \times (4 \times 6)$
 $= 25 \times 4 \times 6$
 $= 100 \times 6$
 $= 600$

- 方法二: 24×25
 $= 25 \times (20 + 4)$
 $= 25 \times 20 + 25 \times 4$
 $= 500 + 100$
 $= 600$

- 方法三: 24×25
 $= 100 \div 4 \times 24$
 $= 100 \times 24 \div 4$
 $= 2400 \div 4$
 $= 600$

- (4) 方法一: 125×48
 $= 125 \times (8 \times 6)$
 $= 125 \times 8 \times 6$
 $= 1000 \times 6$
 $= 6000$

- 方法二: 125×48
 $= 125 \times (40 + 8)$
 $= 125 \times 40 + 125 \times 8$
 $= 5000 + 1000$
 $= 6000$

- 方法三: 125×48
 $= 1000 \div 8 \times 48$
 $= 1000 \times 48 \div 8$
 $= 48000 \div 8$
 $= 6000$

第 35 页

- (1) $700 \div 25 \div 4$ (2) $12000 \div 8 \div 125$
 $= 700 \div (25 \times 4)$ $= 12000 \div (8 \times 125)$
 $= 700 \div 100$ $= 12000 \div 1000$
 $= 7$ $= 12$
 (3) $600 \div 12 \div 5$ (4) $5600 \div 35$
 $= 600 \div (12 \times 5)$ $= 5600 \div 7 \div 5$
 $= 600 \div 60$ $= 800 \div 5$
 $= 10$ $= 160$
 (5) $180 \div 15$ (6) $720 \div 18$
 $= 180 \div 3 \div 5$ $= 720 \div 3 \div 6$
 $= 60 \div 5$ $= 240 \div 6$
 $= 12$ $= 40$
 (7) $3600 \div 25 \div 4$ (8) $25000 \div 125 \div 8$
 $= 3600 \div (25 \times 4)$ $= 25000 \div (125 \times 8)$
 $= 3600 \div 100$ $= 25000 \div 1000$
 $= 36$ $= 25$

- (9) $1100 \div 4 \div 25$ (10) $810 \div 45$
 $= 1100 \div (4 \times 25)$ $= 810 \div 9 \div 5$
 $= 1100 \div 100$ $= 90 \div 5$
 $= 11$ $= 18$
 (11) $2700 \div 36$ (12) $900 \div 5 \div 6$
 $= 2700 \div 9 \div 4$ $= 900 \div (5 \times 6)$
 $= 300 \div 4$ $= 900 \div 30$
 $= 75$ $= 30$

第 36 页

- (1) $125 \times (8 \times 3)$ (2) 25×32
 $= 125 \times 8 \times 3$ $= 25 \times 4 \times 8$
 $= 1000 \times 3$ $= 100 \times 8$
 $= 3000$ $= 800$
 (3) $86 \times 101 - 86$ (4) $69 \times 99 + 69$
 $= 86 \times (101 - 1)$ $= 69 \times (99 + 1)$
 $= 86 \times 100$ $= 69 \times 100$
 $= 8600$ $= 6900$
 (5) 59×98 (6) $99 \times 35 + 35$
 $= 59 \times (100 - 2)$ $= 35 \times (99 + 1)$
 $= 59 \times 100 - 59 \times 2$ $= 35 \times 100$
 $= 5900 - 118$ $= 3500$
 $= 5782$
 (7) $25 \times 33 \times 4$ (8) 64×125
 $= 25 \times 4 \times 33$ $= 125 \times 8 \times 8$
 $= 100 \times 33$ $= 1000 \times 8$
 $= 3300$ $= 8000$
 (9) $12 + 49 \times 12$ (10) $3500 \div 25 \div 2$
 $= 12 \times (1 + 49)$ $= 3500 \div (25 \times 2)$
 $= 12 \times 50$ $= 3500 \div 50$
 $= 600$ $= 70$
 (11) 301×82 (12) $72 \times 75 + 75 \times 28$
 $= (300 + 1) \times 82$ $= 75 \times (72 + 28)$
 $= 300 \times 82 + 1 \times 82$ $= 75 \times 100$
 $= 24600 + 82$ $= 7500$
 $= 24682$

第 37 页

- (1) $726 + 199$
 $= 726 + 200 - 1$
 $= 926 - 1$
 $= 925$
 (2) $523 - (323 + 147)$
 $= 523 - 323 - 147$
 $= 200 - 147$
 $= 53$
 (3) $673 - 173 - 125 - 75$
 $= (673 - 173) - (125 + 75)$
 $= 500 - 200$
 $= 300$
 (4) $345 - 201$
 $= 345 - 200 - 1$
 $= 145 - 1$
 $= 144$
 (5) $(187 + 168) + 32$
 $= 187 + (168 + 32)$
 $= 187 + 200$
 $= 387$
 (6) $516 - 25 - 25 - 50$
 $= 516 - (25 + 25 + 50)$
 $= 516 - 100$
 $= 416$
 (7) $467 + 102$
 $= 467 + 100 + 2$
 $= 567 + 2$
 $= 569$
 (8) $256 + (44 + 127)$
 $= 256 + 44 + 127$
 $= 300 + 127$
 $= 427$
 (9) $133 + 57 + 67 + 43$
 $= (133 + 67) + (57 + 43)$
 $= 200 + 100$
 $= 300$
 (10) $585 - 399$
 $= 585 - 400 + 1$

