

## 速算单项作业六

### 练习一：加、减、乘法

题干	求和	9662	4122	8346	2067	703	7796	4795	4684				
<div><div><div>23 18 17</div><div>24197</div></div><div><div>15 27 18</div><div>17978</div></div></div>													
		24197				17978							
题干		963	-	336	505	-	292	759	-	278	909	-	154
<div><div>627</div><div>213</div><div>481</div><div>755</div></div>													
		627			213			481			755		
题干		528	×	17.50%	449	×	9.50%	193	×	5.40%	198	×	25.90%
<div><div><div>88 + 4 92</div><div>16.7% + 0.8%</div></div><div><div>45 - 2 43</div><div>10% - 0.5%</div></div><div><div>10<sup>+</sup></div><div>5% + 0.4%</div></div><div><div>49 + 2 51</div><div><math>\frac{1}{4}</math> + 0.9%</div></div></div>													
		92.4			42.7			10.4			51.3		
题干		321	×	9.70%	252	×	5.90%	165	×	11.90%	947	×	59.90%
<div><div><div>32 - 1 31</div><div>10% - 0.3%</div></div><div><div>12 + 3 15</div><div>5% + 0.9%</div></div><div><div>18 + 1 19</div><div><math>\frac{1}{9}</math> + 0.8%</div></div><div><div>474 + 94 567</div><div>50% + 10% - 0.1%</div></div></div>													
		31.1			14.9			19.6			567.3		

### 练习二：除法拆分、分数大小比较

$\frac{788}{795} \frac{795-7}{795} = 1 - 1\% = 99\%^{+}$	99.12%	$\frac{534}{211} \frac{534-27+7}{211} = 2.5 + 3\%^{+} = 2.53^{+}$	253.08%
$\frac{782}{6238} \frac{624+158}{6238} = 10\% + 2\%^{+} = 12\%^{+}$	12.54%	$\frac{882}{3575} \frac{714+168}{3575} = 20\% + 5\% = 25\%^{-}$	24.67%
$\frac{7835}{7368} \frac{736+47}{7368} = 1 + 6\%^{+} = 1.06^{+}$	106.34%	$\frac{6151}{8222} \frac{822-207+246+39}{8222} = 1 - 20\% + 5\% = 75\%^{-}$	74.81%
$\frac{622}{5378} \frac{538+84}{5378} = 10\% + 2\%^{-} = 12\%^{-}$	11.57%	$\frac{898}{3639} \frac{728+170}{3639} = 20\% + 5\% = 25\%^{-}$	24.68%
$\frac{113}{6784} = 2\%^{-}$	1.67%	$\frac{5823}{1799} \frac{537+45+54-9}{1799} = 3 + 30\% - 5\%^{+} = 3.25^{+}$	323.68%
$\frac{922}{613} \frac{613+307+2}{613} = 1 + 50\%^{+} = 1.5^{+}$	150.41%	$\frac{346}{4481} = 8\%^{-}$	7.72%
$\frac{322}{7708} = 4\%^{+}$	4.18%	$\frac{826}{1417} \frac{707+119}{1417} = 50\% + 8\%^{+} = 58\%^{+}$	58.29%

## 比较分数大小

①	$\begin{array}{r} 896 \\ \hline 809\cancel{6} \end{array}$	$\begin{array}{l} 2\%^- \\ < \\ 3\% \end{array}$	$\begin{array}{r} 13 \\ 883 \\ \hline 785\cancel{8} \\ 24 \end{array}$	②	$\begin{array}{r} 976 \\ \hline 136\cancel{7} \end{array}$	$\begin{array}{l} 20\%^- \\ < \\ 20\%^+ \end{array}$	$\begin{array}{r} 145 \\ 831 \\ \hline 113\cancel{0} \\ 23 \end{array}$
③	$\begin{array}{r} 40 \\ 321 \\ \hline 751\cancel{1} \\ 65 \end{array}$	$\begin{array}{l} 10\%^+ \\ < \\ 10\%^- \end{array}$	$\begin{array}{r} 361 \\ \hline 81\cancel{6}2 \end{array}$	④	$\begin{array}{r} 28 \\ 130 \\ \hline 249\cancel{3} \\ 36 \end{array}$	$\begin{array}{l} 20\%^+ \\ < \\ 20\%^- \end{array}$	$\begin{array}{r} 158 \\ \hline 285\cancel{5} \end{array}$

练习三：假设分配/“415”份数法						
题干	1787	6.40%	5959	7.40%	75881	5.10%
	$\begin{array}{r} 100 \quad 1 \quad 6 \\ \quad 72 \\ 68 \quad 4 \\ 168 \quad 10 \end{array}$		$\begin{array}{r} 500 \quad 1 \quad 37 \\ \quad 58 \\ 54 \quad 4 \\ 554 \quad 41 \end{array}$		$\begin{array}{r} 700 \quad 1 \quad 36 \\ \quad 22 \\ 21 \quad 1 \\ 721 \quad 37 \end{array}$	
	1680	107	5548	411	72199	3682
题干	77424	13.50%	68807	10.70%	86876	18.50%
	$\begin{array}{r} 700 \quad 1 \quad 95 \\ \quad -21 \\ -18 \quad -3 \\ 682 \quad 92 \end{array}$	$\begin{array}{r} 7 \\ 21 \\ 35 \\ \hline 945 \end{array}$	$\begin{array}{r} 600 \quad 1 \quad 64 \\ \quad 24 \\ 22 \quad 2 \\ 622 \quad 66 \end{array}$		$\begin{array}{r} 700 \quad 1 \quad 130 \\ \quad 38 \\ 32 \quad 6 \\ 732 \quad 136 \end{array}$	$\begin{array}{r} 7 \\ 6 \\ 35 \\ \hline 1295 \end{array}$
	68215	9209	62156	6651	73313	13563
题干	5831	34.60%	74798	61.30%	48009	17.50%
	$\begin{array}{r} 400 \quad 1 \quad 138 \\ \quad 45 \\ 33 \quad 12 \\ 433 \quad 150 \end{array}$	$\begin{array}{r} 12 \\ 16 \\ 24 \\ \hline 1384 \end{array}$	$\begin{array}{r} 500 \quad 1 \quad 307 \\ \quad -60 \\ -37 \quad -23 \\ 463 \quad 284 \end{array}$		$\begin{array}{r} 400 \quad 1 \quad 70 \\ \quad 10 \\ 8 \quad 2 \\ 408 \quad 72 \end{array}$	
	4332	1499	46372	28426	40859	7150
题干	45948	22.30%	6528	8.60%	14304	20.40%
	$\begin{array}{r} 400 \quad 1 \quad 89 \\ \quad -30 \\ -25 \quad -5 \\ 375 \quad 84 \end{array}$		$\begin{array}{r} 600 \quad 1 \quad 52 \\ \quad 52 \\ 600 \quad 52 \end{array}$		$\begin{array}{r} 100 \quad 1 \quad 20 \\ \quad 23 \\ 19 \quad 4 \\ 119 \quad 24 \end{array}$	
	37570	8378	6011	517	11880	2424
题干	8329	885	-1.70%	92364	949	-5.10%
	$\begin{array}{r} 900 \quad 1 \quad -15 \\ \quad -13 \\ -54 \quad 1 \\ 846 \quad -14 \end{array}$	$\begin{array}{l} x \approx 833 \times (-1.7\%) \\ = -14 \\ A = 833 + 14 \\ = 847 \end{array}$	$\begin{array}{r} 1000 \quad 1 \quad -51 \\ \quad -26 \\ -27 \quad 1 \\ 973 \quad -50 \end{array}$	$\begin{array}{l} x \approx 923 \times (-5.1\%) \\ = -46-1 \\ = -47 \\ A = 923 + 47 \\ = 970. \end{array}$	$\begin{array}{r} 500 \quad 1 \quad -31 \\ \quad 11 \\ 12 \quad -1 \\ 512 \quad -32 \end{array}$	$\begin{array}{l} A = \frac{481}{0.938} = 513 \\ x = 481 - 513 \\ = -32 \end{array}$
	8473	-144	97328	-4964	5125	-318