

速算单项作业一

练习一：加、减、乘法													
题干	求和	2921	4645	7198	5066	1347	5992	8084	3539				
		<div><div>18 16 21 20</div><div>19830</div></div>					<div><div>17 24 22</div><div>18962</div></div>						
		19830					18962						
题干	<div>635</div>	-	<div>226</div>	<div>993</div>	-	<div>329</div>	611	-	598	<div>797</div>	-	<div>625</div>	
	<div>409</div>		<div>664</div>		<div>11+2=13</div>				<div>172</div>				
	409		664		13				172				
题干	855	×	11.50%	752	×	8.20%	236	×	12.20%	166	×	33.90%	
	<div><div>95 + 3</div><div>98</div></div>		<div><div>$\frac{1}{9} + 0.4\%$</div></div>	<div><div>62</div><div>$\frac{1}{12} - 0.1\%$</div></div>		<div><div>29</div><div>$\frac{1}{8} - 0.3\%$</div></div>			<div><div>55 + 1</div><div>56</div></div>		<div><div>$\frac{1}{3} + 0.6\%$</div></div>		
	98.3		61.7		28.8				56.3				
题干	455	×	6.60%	776	×	20.80%	402	×	9.10%	815	×	62.40%	
	<div><div>$15 \times 2 = 30$</div><div>$\frac{1}{30} \times 2$</div></div>		<div><div><div>155 + 6</div><div>161</div></div></div>		<div><div>$\frac{1}{5} + 0.8\%$</div></div>		<div><div>37</div><div>$\frac{1}{11}$</div></div>		<div><div><div>407 + 102</div><div>509</div></div></div>		<div><div>$50\% + \frac{1}{8} - 0.1\%$</div></div>		
	30.0		161.4		36.6				508.6				

练习二：除法拆分、分数大小比较				
<div><div>711</div><div>675</div><div>108</div></div> <div>$\frac{711}{675} = 1 + \frac{1}{5} = 1.2$</div>	105.33%	<div><div>797</div><div>479</div><div>535</div></div> <div>$\frac{797}{479} = 1.67$</div>	166.39%	
<div><div>6764</div><div>3152</div><div>8774</div></div> <div>$\frac{6764}{3152} = 2.15$</div>	1.60%	<div><div>3708</div><div>3712</div><div>4778</div></div> <div>$\frac{3708}{3712} = 0.999$</div>	14.43%	
<div><div>707</div><div>4797</div><div>278</div></div> <div>$\frac{707}{4797} = 0.147$</div>	35.92%	<div><div>204</div><div>1856</div><div>4955</div></div> <div>$\frac{204}{1856} = 0.11$</div>	77.69%	
<div><div>652</div><div>425</div><div>256</div></div> <div>$\frac{652}{425} = 1.534$</div>	14.74%	<div><div>298</div><div>5785</div><div>468</div></div> <div>$\frac{298}{5785} = 0.0515$</div>	10.99%	
<div><div>6627</div></div> <div>$\frac{6627}{1239} = 5.35$</div>	4.86%	<div><div>496</div><div>1239</div></div> <div>$\frac{496}{1239} = 0.4$</div>	344.58%	
	153.41%		5.15%	
	3.86%		37.77%	

比较分数大小				
①	<div><div>138</div><div>5399</div><div>216</div></div> <div>$\frac{138}{5399} = 0.0256$</div>	<	<div><div>233</div><div>7556</div><div>45</div></div> <div>$\frac{233}{7556} = 0.0308$</div>	
②	<div><div>187</div><div>8928</div><div>136</div></div> <div>$\frac{187}{8928} = 0.021$</div>	>	<div><div>142</div><div>7562</div><div>136</div></div> <div>$\frac{142}{7562} = 0.0188$</div>	
③	<div><div>890</div><div>3307</div><div>28</div></div> <div>$\frac{890}{3307} = 0.269$</div>	<	<div><div>997</div><div>3583</div><div>80</div></div> <div>$\frac{997}{3583} = 0.278$</div>	
④	<div><div>810</div><div>7097</div><div>61</div></div> <div>$\frac{810}{7097} = 0.114$</div>	>	<div><div>730</div><div>6480</div><div>61</div></div> <div>$\frac{730}{6480} = 0.1126$</div>	

练习三：假设分配/“415”份数法						
题干	9234	6.60%	7252	3.50%	56572	8.50%
	$\begin{array}{r} 900 \quad 1 \quad 59 \\ -36 \\ \hline 866 \quad 57 \end{array}$		$\begin{array}{r} 700 \quad 25 \\ \hline \end{array}$		$\begin{array}{r} 500 \quad 1 \quad 43 \\ 22 \\ \hline 521 \quad 44 \end{array}$	
	8662	572	7007	245	52140	4432
题干	35475	5.10%	41968	9.90%	90648	11.30%
	$\begin{array}{r} 300 \quad 1 \quad 15 \\ 39 \\ \hline 337 \quad 2 \\ \hline 337 \quad 17 \end{array}$		$\begin{array}{r} 400 \quad 1 \quad 40 \\ -21 \\ \hline -19 \quad -2 \\ \hline 381 \quad 38 \end{array}$		$\begin{array}{r} 800 \quad 1 \quad 90 \\ 16 \\ \hline 814 \quad 92 \end{array}$	
	33754	1721	38187	3781	81445	9203
题干	9626	24.60%	41120	27.70%	88176	13.60%
	$\begin{array}{r} 800 \quad 1 \quad 197 \\ -35 \\ \hline -28 \quad -7 \\ \hline 772 \quad 190 \end{array}$	$\begin{array}{r} 16 \\ 32 \\ 48 \\ \hline 1968 \end{array}$	$\begin{array}{r} 300 \quad 1 \quad 83 \\ 28 \\ \hline 22 \quad 6 \\ \hline 322 \quad 89 \end{array}$	$\begin{array}{r} 6 \\ 21 \\ 21 \\ \hline 831 \end{array}$	$\begin{array}{r} 800 \quad 1 \quad 109 \\ -28 \\ \hline -25 \quad -3 \\ \hline 775 \quad 106 \end{array}$	$\begin{array}{r} 8 \\ 24 \\ 48 \\ \hline 1088 \end{array}$
	7726	1900	32200	8920	77620	10556
题干	13463	52.80%	4537	12.50%	43179	39.20%
	$\begin{array}{r} 100 \quad 1 \quad 53 \\ -19 \\ \hline -12 \quad -7 \\ \hline 88 \quad 46 \end{array}$	$X = \frac{4537}{9} = 504$ $A = 4537 - 504 = 4033$	$\begin{array}{r} 8 \quad 1 \quad 9 \\ 300 \quad 1 \quad 118 \\ 13 \\ \hline 10 \quad 3 \\ \hline 310 \quad 121 \end{array}$	$\begin{array}{r} 9 \\ 27 \\ 6 \\ \hline 1176 \end{array}$		
	8811	4652	4033	504	31019	12160
题干	7242	-8.50%	26438	-5.30%	5306	-6.40%
	$A = \frac{724}{1-8.5\%} = 791$ $X = 724 - 791 = -67$	$X \approx 264 \times (-5.3\%)$ $= -13 - 1 = -14$ $A = 264 + 14 = 278$	$A = \frac{530}{1-6.4\%} = 566$ $X = 530 - 566 = -36$			
	7915	-673	27918	-1480	5669	-363