

速算单项作业十

练习一：加、减、乘法

| | | | | | | | | | | | | |
|--|-----|-------|--------|-------|------|--------|------|-------|--------|-----|---|--------|
| 题干 | 求和 | 8237 | 589 | 7012 | 8146 | 5481 | 2908 | 2747 | 658 | | | |
| <div><div><div>23 08 16 24</div><div>23984</div></div><div><div>09 36 17 24</div><div>11794</div></div></div> | | | | | | | | | | | | |
| | | 23984 | | | | 11794 | | | | | | |
| 题干 | 541 | - | 293 | 725 | - | 152 | 959 | - | 308 | 970 | - | 323 |
| <div><div>241+7=248</div><div>573</div><div>651</div><div>647</div></div> | | | | | | | | | | | | |
| | | 248 | | 573 | | 651 | | 647 | | | | |
| 题干 | 697 | × | 7.10% | 872 | × | 9.90% | 721 | × | 8.20% | 607 | × | 25.70% |
| <div><div>49⁺</div><div><div>87 -1 86</div><div>10%-0.1%</div></div><div><div>58 +1 59</div><div>8/+0.2%</div></div><div><div>152 +4 156</div><div>1/4+0.7%</div></div></div> | | | | | | | | | | | | |
| | | 49.5 | | 86.3 | | 59.1 | | 156.0 | | | | |
| 题干 | 304 | × | 18.80% | 494 | × | 78.60% | 407 | × | 17.30% | 540 | × | 65.40% |
| <div><div>300+4</div><div><div>56 +1 57</div><div>300-6</div></div><div><div>393 -5 388</div><div>68 +2 70</div></div><div><div>1/6+0.6%</div><div>360 -7 353</div></div><div>2/3-1.3%</div></div> | | | | | | | | | | | | |
| | | 57.2 | | 388.3 | | 70.4 | | 353.2 | | | | |

练习二：除法拆分、分数大小比较

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|--|---------|--|---------|
| $\frac{195}{755} = \frac{151 + 44}{755} = 20\% + 6\% = 26\%$ | 25.83% | $\frac{974}{183} = \frac{915 + 59}{183} = 5\% + 30\% + 2\% = 37\%$ | 532.24% |
| $\frac{951}{1563} = \frac{782 + 169}{1563} = 50\% + 10\% + 1\% = 61\%$ | 60.84% | $\frac{785}{8045} = \frac{805 - 20}{8045} = 10\% - 0.2\% = 9.8\%$ | 9.76% |
| $\frac{9530}{2597} = \frac{1036 - 8377 - 6}{2597} = 4 - 30\% - 2\% = 3.68\%$ | 366.96% | $\frac{2952}{5885} = \frac{294 + 1}{5885} = 50\%$ | 50.16% |
| $\frac{232}{6173} = \frac{232}{6173} = 4\%$ | 3.76% | $\frac{994}{3579} = \frac{895 + 99}{3579} = 25\% + 3\% = 28\%$ | 27.77% |
| $\frac{409}{1913} = \frac{382 + 27}{1913} = 20\% + 1\% = 21\%$ | 21.38% | $\frac{1459}{7861} = \frac{157 - 12}{7861} = 20\% - 1\% = 19\%$ | 18.56% |
| $\frac{666}{898} = \frac{898 - 232}{898} = 1 - 25\% - 1\% = 74\%$ | 74.16% | $\frac{155}{9059} = \frac{155}{9059} = 2\%$ | 1.71% |
| $\frac{851}{2608} = \frac{869 - 18}{2608} = 33.3\% - 1\% = 32.3\%$ | 32.63% | $\frac{887}{5994} = \frac{599 + 288}{5994} = 10\% + 5\% = 15\%$ | 14.80% |

比较分数大小

| | |
|--|--|
| $\textcircled{1} \quad \frac{459}{9737} \xleftarrow{20\%+} \frac{87}{372} > \frac{847}{126}$ | $\textcircled{2} \quad \frac{110}{366} \xrightarrow{30\%+} \frac{476}{5459} < \frac{4776}{68}$ |
| $\textcircled{3} \quad \frac{97}{849} \xrightarrow{10\%+} \frac{946}{5724} < \frac{623}{51}$ | $\textcircled{4} \quad \frac{626}{9261} \xleftarrow{5\%+} \frac{575}{8948} > \frac{57}{32}$ |

练习三：假设分配/“415”份数法

| | | | | | | |
|----|---|--|---|--|--|--|
| 题干 | 9899 | 6.10% | 4054 | 5.50% | 27927 | 15.80% |
| | $\begin{array}{r} 900 \quad 1 \quad 55 \\ -34 \\ \hline 32 \quad 2 \\ 932 \quad 57 \end{array}$ | | $\begin{array}{r} 400 \quad 1 \quad 22 \\ -17 \\ \hline -16 \quad -1 \\ 384 \quad 21 \end{array}$ | | $\begin{array}{r} 200 \quad 1 \quad 32 \\ -47 \\ \hline 41 \quad 6 \\ 241 \quad 38 \end{array}$ | |
| | 9330 | 569 | 3843 | 211 | 24117 | 3810 |
| 题干 | 54183 | 9.30% | 77967 | 17.90% | 28701 | 11.90% |
| | $\begin{array}{r} 500 \quad 1 \quad 47 \\ -6 \\ \hline -5 \quad -1 \\ 495 \quad 46 \end{array}$ | | $\begin{array}{r} 700 \quad 1 \quad 125 \\ -46 \\ \hline -39 \quad -7 \\ 661 \quad 118 \end{array}$ | $\begin{array}{r} 49 \\ 63 \\ \hline 1253 \end{array}$ | $\begin{array}{r} 200 \quad 1 \quad 24 \\ -63 \\ \hline 56 \quad 7 \\ 256 \quad 31 \end{array}$ | |
| | 49573 | 4610 | 66130 | 11837 | 25649 | 3052 |
| 题干 | 6594 | 14.20% | 90424 | 27.70% | 87925 | 74.30% |
| | $\begin{array}{r} 600 \quad 1 \quad 85 \\ -26 \\ \hline -13 \quad -3 \\ 577 \quad 82 \end{array}$ | $\begin{array}{r} 6 \\ 24 \\ 12 \\ \hline 852 \end{array}$ | $\begin{array}{r} 700 \quad 1 \quad 194 \\ -10 \\ \hline 8 \quad 2 \\ 708 \quad 196 \end{array}$ | $\begin{array}{r} 14 \\ 49 \\ 49 \\ \hline 1939 \end{array}$ | $\begin{array}{r} 500 \quad 1 \quad 372 \\ -7 \\ \hline 4 \quad 3 \\ 504 \quad 375 \end{array}$ | |
| | 5774 | 820 | 70810 | 19614 | 50445 | 37480 |
| 题干 | 63749 | 27.10% | 2167 | 6.40% | 18971 | 14.40% |
| | $\begin{array}{r} 600 \quad 1 \quad 136 \\ -1 \\ \hline 501 \quad 136 \end{array}$ | | $\begin{array}{r} 200 \quad 1 \quad 13 \\ -3 \\ \hline 203 \quad 13 \end{array}$ | | $\begin{array}{r} 100 \quad 1 \quad 14 \\ -75 \\ \hline 66 \quad 9 \\ 166 \quad 23 \end{array}$ | |
| | 50157 | 13592 | 2037 | 130 | 16583 | 2388 |
| 题干 | 7600 767 | -4.10% | 85033 | -5.60% | 6451 611 | -12.70% 8:-1: 7 |
| | $\begin{array}{r} 800 \quad 1 \quad -33 \\ -7 \\ \hline 793 \quad -33 \end{array}$ | $x \approx 760 \times (-4.1\%)$ $= -30.96 \approx -31$ $A = 791$ | $\begin{array}{r} 900 \quad 1 \quad -50 \\ -50 \\ \hline 900 \quad -50 \end{array}$ | $A = \frac{850}{1-5.6\%}$ $= 900$ $x = -50$ | $\begin{array}{r} 700 \quad 1 \quad -89 \\ -34 \\ \hline 39 \quad -5 \\ 739 \quad -94 \end{array}$ | $A = \frac{645}{1-12.7\%}$ $= 739$ $x = -94$ |
| | 7925 | -325 | 90077 | -5044 | 7389 | -938 |