

## 速算单项作业二

### 练习一：加、减、乘法

|  |     |       |        |       |      |        |      |       |        |     |   |        |
|--|-----|-------|--------|-------|------|--------|------|-------|--------|-----|---|--------|
| 题干   | 求和  | 6686  | 9971   | 7658  | 6436 | 7055   | 4359 | 765   | 8733   |     |   |        |
| <div><div><div>28</div><div>25</div><div>23</div><div>21</div></div><div>30751</div></div> <div><div><div>19</div><div>17</div><div>15</div><div>12</div></div><div>20912</div></div>  |     |       |        |       |      |        |      |       |        |     |   |        |
|  |     | 30751 |        |       |      | 20912  |      |       |        |     |   |        |
| 题干   | 787 | -     | 321    | 518   | -    | 209    | 657  | -     | 382    | 780 | - | 229    |
| <div><div>466</div><div>309</div><div>275</div><div>501</div></div>  |     |       |        |       |      |        |      |       |        |     |   |        |
|  |     | 466   |        | 309   |      | 275    |      | 501   |        |     |   |        |
| 题干   | 531 | ×     | 25.30% | 365   | ×    | 17.70% | 329  | ×     | 7.60%  | 211 | × | 32.60% |
| <div><div><div><div>133</div><div>1</div></div><div>134</div></div><div><div><div>1</div><div>4</div></div><div><div>+</div><div>0.3%</div></div></div><div><div><div>61</div><div>4</div></div><div>65</div></div><div><div><div>1</div><div>6</div></div><div><div>+</div><div>1%</div></div></div><div><div><div>23</div><div>2</div></div><div>25</div></div><div><div><div>7</div><div>+</div><div>0.6%</div></div></div><div><div><div>70</div><div>1</div></div><div>69</div></div><div><div><div>1</div><div>3</div></div><div><div>-</div><div>0.7%</div></div></div></div> |     |       |        |       |      |        |      |       |        |     |   |        |
|  |     | 134.3 |        | 64.6  |      | 25.0   |      | 68.8  |        |     |   |        |
| 题干   | 772 | ×     | 8.30%  | 483   | ×    | 60.30% | 464  | ×     | 23.40% | 228 | × | 74.20% |
| <div><div><div>64<sup>+</sup></div><div>12</div></div><div><div><div>241</div><div>48</div><div>2</div></div><div>291</div></div><div><div><div>50</div><div>+</div><div>10%</div><div>+</div><div>0.3%</div></div></div><div><div><div>116</div><div>8</div></div><div>108</div></div><div><div><div>1</div><div>4</div></div><div><div>-</div><div>1.6%</div></div></div><div><div><div>171</div><div>2</div></div><div>169</div></div><div><div><div>3</div><div>4</div></div><div><div>-</div><div>0.8%</div></div></div></div>  |     |       |        |       |      |        |      |       |        |     |   |        |
|  |     | 64.1  |        | 291.2 |      | 108.6  |      | 169.2 |        |     |   |        |

### 练习二：除法拆分、分数大小比较

|  |         |   |         |
|--|---------|---|---------|
| $\frac{754}{697} = 1 + 8\% = 1.08^+$             | 108.18% | $\frac{734}{561} = 1 + 30\% + 1\% = 1.31^-$ | 130.84% |
| $\frac{677}{2376} = 28\% + 3\% = 28\% +$         | 28.49%  | $\frac{441}{9877} = 4.4\%$                  | 4.46%   |
| $\frac{3644}{5383} = 50\% + 10\% + 8\% = 68\%^-$ | 67.69%  | $\frac{5235}{9083} = 50\% + 8\% = 58\%^-$   | 57.64%  |
| $\frac{242}{3435} = 7\% +$                       | 7.05%   | $\frac{551}{1558} = 32\% + 3\% = 35\% +$    | 35.37%  |
| $\frac{488}{4099} = 10\% + 2\% = 12\%^-$         | 11.91%  | $\frac{4936}{3652} = 1 + 33\% = 1.33^+$     | 135.08% |
| $\frac{731}{667} = 1 + 10\% = 1.1^-$             | 109.60% | $\frac{895}{8974} = 10\%^-$                 | 9.97%   |
| $\frac{222}{5605} = 4\%^-$                       | 3.96%   | $\frac{408}{3998} = 10\% +$                 | 10.21%  |

### 比较分数大小

|   |   |
|---|---|
| ① $\frac{159}{3252} < \frac{179}{3583}$ | ② $\frac{557}{7350} < \frac{545}{6985}$ |
| ③ $\frac{742}{8463} < \frac{721}{8134}$ | ④ $\frac{876}{6231} > \frac{778}{5750}$ |

| 练习三：假设分配/“415”份数法 |  |   |   |   |  |   |
|-------------------|--|---|---|---|--|---|
| 题干                | 647/3  | 7.50%   | 923/2   | 8.20%   | 164/76   | 15.60%  |
|                   | $\begin{array}{r} 600 \overline{) 647} \quad 1 \quad 45 \\ \underline{2} \\ 602 \quad 45 \end{array}$                      |   | $\begin{array}{r} 900 \overline{) 923} \quad 1 \quad 74 \\ \underline{-11} \\ -47 \quad -4 \\ 853 \quad 70 \end{array}$ |   | $\begin{array}{r} 100 \overline{) 164} \quad 1 \quad 16 \\ \underline{48} \\ 42 \quad 6 \\ 142 \quad 22 \end{array}$     |   |
|                   | 6021   | 452   | 8532  | 700   | 14253  | 2223  |
| 题干                | 537/60   | 9.80%   | 304/99  | 18.20%  | 866/99   | 27.30%  |
|                   | $\begin{array}{r} 500 \overline{) 537} \quad 1 \quad 49 \\ \underline{-12} \\ -11 \quad -1 \\ 489 \quad 48 \end{array}$    |   | $\begin{array}{r} 250 \overline{) 304} \quad 1 \quad 45 \\ \underline{9} \\ 7 \quad 2 \\ 257 \quad 47 \end{array}$      |   | $\begin{array}{r} 700 \overline{) 866} \quad 1 \quad 91 \\ \underline{-25} \\ -19 \quad -6 \\ 681 \quad 185 \end{array}$ | $\begin{array}{r} 14 \\ 49 \\ \underline{21} \\ 1911 \end{array}$ |
|                   | 48962  | 4798  | 25803   | 4696  | 68106  | 18593   |
| 题干                | 528/0  | 42.60%  | 774/63  | 16.70%  | 386/74   | 69.80%  |
|                   | $\begin{array}{r} 400 \overline{) 528} \quad 1 \quad 170 \\ \underline{-42} \\ -29 \quad -13 \\ 371 \quad 157 \end{array}$ | $\begin{array}{r} 168 \\ 24 \\ \underline{1704} \end{array}$  | $\begin{array}{l} X = 111 \\ A = 663 \end{array}$   | $\begin{array}{r} 200 \overline{) 386} \quad 1 \quad 139 \\ \underline{47} \\ 28 \quad 19 \\ 228 \quad 158 \end{array}$ |  |   |
|                   | 3703   | 1577  | 66378   | 11085   | 22776  | 15898   |
| 题干                | 877/62   | 61.60%  | 583/1   | 7.10%   | 473/43   | 35.70%  |
|                   | $\begin{array}{r} 500 \overline{) 877} \quad 1 \quad 308 \\ \underline{69} \\ 43 \quad 26 \\ 543 \quad 334 \end{array}$    |   | $\begin{array}{r} 500 \overline{) 583} \quad 1 \quad 36 \\ \underline{47} \\ 44 \quad 3 \\ 544 \quad 39 \end{array}$    |   | $\begin{array}{r} 300 \overline{) 473} \quad 1 \quad 107 \\ \underline{66} \\ 49 \quad 17 \\ 349 \quad 124 \end{array}$  | $\begin{array}{r} 9 \\ 15 \\ \underline{21} \\ 1071 \end{array}$  |
|                   | 54308  | 33454   | 5444  | 387   | 34888  | 12455   |
| 题干                | 7177   | -9.10%  | 58237   | -5.40%  | 4602   | -6.50%  |
|                   | $\begin{array}{l} X = -718 \\ A = 7177 + 718 \\ = 7895 \end{array}$  | $\begin{array}{l} X \approx 582 \times (-5.4\%) \\ = -29 - 3 = -32 \\ A = 582 + 32 = 614 \end{array}$ | $\begin{array}{l} A = \frac{460}{1-6.5\%} = 492 \\ X = 460 - 492 = -32 \end{array}$                                     |   |  |   |
|                   | 7895   | -718  | 61561   | -3324   | 4922   | -320  |