

计算部分第一讲 凑整与拆分

课前热身:

$$9+99+999+9999+99999=?$$

例 1: (凑整法)

$$9\frac{4}{5}+99\frac{4}{5}+999\frac{4}{5}+9999\frac{4}{5}+99999\frac{4}{5}=?$$

例 2: (拆分法)

$$97\frac{1}{50}\times\frac{1}{49}+77\frac{1}{40}\times\frac{1}{39}+57\frac{1}{30}\times\frac{1}{29}=?$$

课后练习 1:

$$298+396+495+594+691+799+892$$

课后练习 2:

$$51\frac{2}{3}\times\frac{3}{5}+71\frac{3}{4}\times\frac{4}{7}+91\frac{4}{5}\times\frac{5}{9}$$

小挑战:

$$11^2=121$$

$$111^2=12321$$

规律: $1111^2=1234321$

...

$$11\dots1^2=12\dots9\dots21$$

9

计算: $12345654321\times$
 $(1+2+3+4+5+6+5+4+3+2+1)$