

## 分数乘除

### 一、计算 (★)

$$(2\frac{2}{5} + 1\frac{1}{3} \times 5) \div 3\frac{2}{5} + 1\frac{1}{3}$$

$$\frac{27}{48} \times \frac{16}{21} \times 3\frac{8}{9}$$

$$\frac{2}{7} \div 1\frac{2}{7} \div 4\frac{1}{2}$$

### 二、计算 (★★)

$$1\frac{1}{2} + 3\frac{1}{6} + 5\frac{1}{12} + 7\frac{1}{20} + 9\frac{1}{30} + 11\frac{1}{42} + 13\frac{1}{56} + 15\frac{1}{72} + 17\frac{1}{90}$$

$$\frac{2 \times 3}{1 \times 4} + \frac{5 \times 6}{4 \times 7} + \frac{8 \times 9}{7 \times 10} + \frac{11 \times 12}{10 \times 13} + \dots + \frac{98 \times 99}{97 \times 100}$$

$$\frac{3}{2} + \frac{11}{6} + \frac{23}{12} + \frac{39}{20} + \dots + \frac{759}{380} + \frac{839}{420}$$

$$\frac{4}{1 \times 3} - \frac{8}{3 \times 5} + \frac{12}{5 \times 7} - \frac{16}{7 \times 9} + \frac{20}{9 \times 11} - \frac{24}{11 \times 13}$$

$$2008 \times (1 + \frac{1}{2}) \times (1 + \frac{1}{3}) \times (1 + \frac{1}{4}) \times \cdots \times (1 + \frac{1}{1000}) :$$

$$\frac{1}{1 \times 2 \times 3} + \frac{1}{2 \times 3 \times 4} + \frac{1}{3 \times 4 \times 5} + \cdots + \frac{1}{98 \times 99 \times 100}$$

$$\frac{2008 + 2008 \overbrace{2008 \cdots 2008}^{2009 \uparrow 2008}}{2009 + 2009 \underbrace{2009 \cdots 2009}_{2009 \uparrow 2009}} :$$