

BS

同步专题类

黄冈小状元

主编 万志勇

# 口算速算 练习册

+

-

÷

×



五年级数学 下

最新修订

班级：\_\_\_\_\_

姓名：\_\_\_\_\_



龍門書局 | 龙门品牌·学子至爱

www.longmenbook.com



# 目录

一、分数加减法 .....	(1)
练习一 .....	(8)
绝招练习(1) .....	(9)
绝招练习(2) .....	(10)
第一单元口算能力测试 .....	(11)
二、长方体(一) .....	(12)
练习二 .....	(16)
第二单元口算能力测试 .....	(17)
三、分数乘法 .....	(18)
练习三 .....	(25)
第三单元口算能力测试 .....	(26)
四、长方体(二) .....	(27)
练习四 .....	(33)
第四单元口算能力测试 .....	(35)
整理与复习 .....	(36)
期中口算能力测试 .....	(39)
五、分数除法 .....	(40)
练习五 .....	(49)



六、确定位置 .....	(50)
第五、六单元口算能力测试 .....	(51)
七、用方程解决问题 .....	(52)
练习六 .....	(54)
八、数据的表示和分析 .....	(58)
练习七 .....	(60)
第七、八单元口算能力测试 .....	(61)
总复习 .....	(62)
口算综合能力测试 (1) .....	(62)
口算综合能力测试 (2) .....	(63)
口算综合能力测试 (3) .....	(64)
口算综合能力测试 (4) .....	(65)
口算综合能力测试 (5) .....	(66)
口算综合能力测试 (6) .....	(67)
期末口算能力测试 .....	(68)
参考答案 .....	(69)





## 一、分数加减法

### 折 纸 (1)

$$\frac{1}{2} + \frac{1}{8} =$$

$$\frac{1}{2} - \frac{1}{8} =$$

$$\frac{1}{3} + \frac{1}{18} =$$

$$\frac{1}{3} + \frac{1}{12} =$$

$$\frac{1}{3} - \frac{1}{12} =$$

$$\frac{1}{3} - \frac{1}{18} =$$

$$\frac{1}{4} + \frac{1}{8} =$$

$$\frac{1}{4} - \frac{1}{8} =$$

$$\frac{1}{5} + \frac{1}{45} =$$

$$\frac{1}{5} + \frac{1}{15} =$$

$$\frac{1}{5} - \frac{1}{15} =$$

$$\frac{1}{5} - \frac{1}{45} =$$

$$\frac{1}{6} + \frac{1}{24} =$$

$$\frac{1}{6} - \frac{1}{24} =$$

$$\frac{1}{7} + \frac{1}{49} =$$

$$\frac{1}{7} + \frac{1}{28} =$$

$$\frac{1}{7} - \frac{1}{28} =$$

$$\frac{1}{7} - \frac{1}{49} =$$

$$\frac{1}{8} + \frac{1}{40} =$$

$$\frac{1}{8} - \frac{1}{40} =$$

$$\frac{1}{11} + \frac{1}{55} =$$

$$\frac{1}{9} + \frac{1}{54} =$$

$$\frac{1}{9} - \frac{1}{54} =$$

$$\frac{1}{11} - \frac{1}{55} =$$

$$\frac{1}{10} + \frac{1}{90} =$$

$$\frac{1}{10} - \frac{1}{90} =$$

$$\frac{1}{12} + \frac{1}{36} =$$

$$\frac{1}{11} + \frac{1}{22} =$$

$$\frac{1}{11} - \frac{1}{22} =$$

$$\frac{1}{12} - \frac{1}{36} =$$

$$\frac{1}{12} + \frac{1}{24} =$$

$$\frac{1}{12} - \frac{1}{24} =$$

$$\frac{1}{15} + \frac{1}{30} =$$

$$\frac{1}{13} + \frac{1}{39} =$$

$$\frac{1}{13} - \frac{1}{39} =$$

$$\frac{1}{15} - \frac{1}{30} =$$

$$\frac{1}{14} + \frac{1}{28} =$$

$$\frac{1}{14} - \frac{1}{28} =$$

$$\frac{1}{16} + \frac{1}{48} =$$



**记一记**

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。



折 纸 (2)

$$\frac{1}{2} + \frac{3}{10} =$$

$$\frac{1}{2} - \frac{3}{10} =$$

$$\frac{2}{5} + \frac{3}{10} =$$

$$\frac{1}{3} + \frac{2}{21} =$$

$$\frac{1}{3} - \frac{2}{21} =$$

$$\frac{2}{5} - \frac{3}{10} =$$

$$\frac{1}{4} + \frac{5}{32} =$$

$$\frac{1}{4} - \frac{5}{32} =$$

$$\frac{5}{6} + \frac{2}{3} =$$

$$\frac{1}{5} + \frac{4}{35} =$$

$$\frac{1}{5} - \frac{4}{35} =$$

$$\frac{5}{6} - \frac{2}{3} =$$

$$\frac{1}{6} + \frac{5}{42} =$$

$$\frac{1}{6} - \frac{5}{42} =$$

$$\frac{5}{12} + \frac{1}{4} =$$

$$\frac{1}{7} + \frac{5}{56} =$$

$$\frac{1}{7} - \frac{5}{56} =$$

$$\frac{5}{12} - \frac{1}{4} =$$

$$\frac{1}{8} + \frac{7}{72} =$$

$$\frac{1}{8} - \frac{7}{72} =$$

$$\frac{5}{8} + \frac{1}{2} =$$

$$\frac{1}{9} + \frac{2}{27} =$$

$$\frac{1}{9} - \frac{2}{27} =$$

$$\frac{5}{8} - \frac{1}{2} =$$

$$\frac{1}{10} + \frac{3}{50} =$$

$$\frac{1}{10} - \frac{3}{50} =$$

$$\frac{3}{4} - \frac{3}{8} =$$

$$\frac{1}{11} + \frac{5}{66} =$$

$$\frac{1}{11} - \frac{5}{66} =$$

$$\frac{3}{5} + \frac{2}{15} =$$

$$\frac{1}{12} + \frac{5}{72} =$$

$$\frac{1}{12} - \frac{5}{72} =$$

$$\frac{3}{5} - \frac{2}{15} =$$

$$\frac{1}{13} + \frac{2}{39} =$$

$$\frac{1}{13} - \frac{2}{39} =$$

$$\frac{4}{7} + \frac{5}{21} =$$

$$\frac{1}{14} + \frac{3}{56} =$$

$$\frac{1}{14} - \frac{3}{56} =$$

$$\frac{4}{7} - \frac{5}{21} =$$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。

2



日积月累

当两个分数的分母成倍数关系, 就用那个较大数作为它们的公分母。



## 折 纸 (3)

$\frac{1}{4} + \frac{1}{6} =$

$\frac{1}{4} - \frac{1}{6} =$

$\frac{3}{8} + \frac{1}{12} =$

$\frac{1}{4} + \frac{1}{10} =$

$\frac{1}{4} - \frac{1}{10} =$

$\frac{3}{8} - \frac{1}{12} =$

$\frac{3}{4} + \frac{1}{10} =$

$\frac{3}{4} - \frac{1}{10} =$

$\frac{3}{4} + \frac{3}{10} =$

$\frac{1}{6} + \frac{1}{9} =$

$\frac{1}{6} - \frac{1}{9} =$

$\frac{3}{4} - \frac{3}{10} =$

$\frac{5}{8} + \frac{1}{12} =$

$\frac{5}{8} - \frac{1}{12} =$

$\frac{1}{6} + \frac{5}{8} =$

$\frac{7}{8} + \frac{1}{6} =$

$\frac{7}{8} - \frac{1}{6} =$

$\frac{5}{8} - \frac{1}{6} =$

$\frac{5}{6} + \frac{1}{10} =$

$\frac{5}{6} - \frac{1}{10} =$

$1 + \frac{3}{5} =$

$\frac{5}{8} + \frac{1}{10} =$

$\frac{5}{8} - \frac{1}{10} =$

$1 - \frac{3}{5} =$

$\frac{8}{9} + \frac{1}{12} =$

$\frac{8}{9} - \frac{1}{12} =$

$1 + \frac{2}{17} =$

$\frac{2}{15} + \frac{1}{10} =$

$\frac{2}{15} - \frac{1}{10} =$

$1 - \frac{2}{17} =$

$\frac{5}{6} + \frac{1}{8} =$

$\frac{5}{6} - \frac{1}{8} =$

$1 + \frac{5}{6} =$

$\frac{7}{12} + \frac{1}{9} =$

$\frac{7}{12} - \frac{1}{9} =$

$1 - \frac{5}{6} =$

$\frac{3}{14} + \frac{1}{21} =$

$\frac{3}{14} - \frac{1}{21} =$

$1 + \frac{3}{11} =$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。

异分母分数通分时,要用它们的最小公倍数作公分母。

日积月累



折 纸 (4)

解方程。

$$\frac{1}{3} + x = \frac{7}{9}$$

解:  $x = \frac{7}{9} - ( \quad )$

$x =$

$$x - \frac{1}{10} = \frac{11}{30}$$

解:  $x = \frac{11}{30} + ( \quad )$

$x =$

$$x + \frac{3}{10} = \frac{1}{2}$$

解:  $x = \frac{1}{2} - ( \quad )$

$x =$

$$\frac{1}{5} + x = \frac{4}{7}$$

解:  $x = \frac{4}{7} - ( \quad )$

$x =$

$$x - \frac{1}{2} = \frac{3}{5}$$

解:  $x = \frac{3}{5} + ( \quad )$

$x =$

$$\frac{1}{24} + x = \frac{5}{12}$$

解:  $x = \frac{5}{12} - ( \quad )$

$x =$

$$x + \frac{1}{8} = \frac{3}{10}$$

解:  $x = \frac{3}{10} - ( \quad )$

$x =$

$$x - \frac{1}{7} = \frac{3}{28}$$

解:  $x = \frac{3}{28} + ( \quad )$

$x =$

$$x - \frac{1}{6} = \frac{5}{8}$$

解:  $x = \frac{5}{8} + ( \quad )$

$x =$

$$x + \frac{1}{10} = \frac{9}{40}$$

解:  $x = \frac{9}{40} - ( \quad )$

$x =$

$$x - \frac{1}{9} = \frac{11}{18}$$

解:  $x = \frac{11}{18} + ( \quad )$

$x =$

$$x + \frac{3}{10} = \frac{8}{15}$$

解:  $x = \frac{8}{15} - ( \quad )$

$x =$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。

4



日积月累

古埃及人用分子是1、分母是某一自然数(0和1除外)的分数(即几分之一)作为分数单位,并用它们的和表示其他分数( $\frac{2}{3}$ 除外)。例如,“ $\frac{3}{10}$ ”用“ $\frac{1}{5} + \frac{1}{10}$ ”来表示。



## 星期日的安排(1)

$$1 - \frac{1}{4} - \frac{3}{4} =$$

$$1 - \left( \frac{1}{4} + \frac{3}{4} \right) =$$

$$1 - \frac{1}{2} - \frac{1}{4} =$$

$$1 - \frac{2}{5} - \frac{1}{5} =$$

$$1 - \left( \frac{2}{5} + \frac{1}{5} \right) =$$

$$1 - \left( \frac{1}{2} + \frac{1}{4} \right) =$$

$$2 - \frac{3}{8} - \frac{5}{8} =$$

$$2 - \left( \frac{3}{8} + \frac{5}{8} \right) =$$

$$1 - \frac{1}{4} - \frac{1}{6} =$$

$$1 - \frac{2}{7} - \frac{3}{7} =$$

$$1 - \left( \frac{2}{7} + \frac{3}{7} \right) =$$

$$1 - \left( \frac{1}{4} + \frac{1}{6} \right) =$$

$$1 - \frac{2}{9} - \frac{5}{9} =$$

$$1 - \left( \frac{2}{9} + \frac{5}{9} \right) =$$

$$1 - \frac{1}{8} - \frac{1}{6} =$$

$$2 - \frac{2}{11} - \frac{7}{11} =$$

$$2 - \left( \frac{2}{11} + \frac{7}{11} \right) =$$

$$1 - \left( \frac{1}{8} + \frac{1}{6} \right) =$$

$$1 - \frac{3}{10} - \frac{7}{10} =$$

$$1 - \left( \frac{3}{10} + \frac{7}{10} \right) =$$

$$1 - \frac{1}{3} - \frac{1}{6} =$$

$$1 - \frac{1}{6} - \frac{1}{6} =$$

$$1 - \left( \frac{1}{6} + \frac{1}{6} \right) =$$

$$1 - \left( \frac{1}{3} + \frac{1}{6} \right) =$$

$$1 - \frac{5}{12} - \frac{1}{12} =$$

$$1 - \left( \frac{5}{12} + \frac{1}{12} \right) =$$

$$1 - \frac{1}{4} - \frac{1}{10} =$$

$$2 - \frac{4}{13} - \frac{8}{13} =$$

$$2 - \left( \frac{4}{13} + \frac{8}{13} \right) =$$

$$1 - \left( \frac{1}{4} + \frac{1}{10} \right) =$$

$$2 - \frac{5}{9} - \frac{4}{9} =$$

$$2 - \left( \frac{5}{9} + \frac{4}{9} \right) =$$

$$1 - \frac{1}{5} - \frac{1}{20} =$$

$$1 - \frac{1}{7} - \frac{5}{7} =$$

$$1 - \left( \frac{1}{7} + \frac{5}{7} \right) =$$

$$1 - \left( \frac{1}{5} + \frac{1}{20} \right) =$$

$$2 - \frac{1}{6} - \frac{5}{6} =$$

$$2 - \left( \frac{1}{6} + \frac{5}{6} \right) =$$

$$1 - \frac{1}{7} - \frac{1}{14} =$$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。

一个数连续减去两个数等于这个数减去这两个数的和。

日积月累



星期日的安排(2)

$$\frac{3}{8} + \frac{5}{8} + \frac{1}{6} =$$

$$\frac{8}{9} + \frac{1}{9} - \frac{3}{5} =$$

$$\frac{9}{11} + \frac{2}{3} + \frac{2}{11} =$$

$$\frac{3}{8} + \frac{1}{6} + \frac{5}{8} =$$

$$\frac{8}{9} - \frac{3}{5} + \frac{1}{9} =$$

$$\frac{9}{11} - \frac{2}{3} + \frac{2}{11} =$$

$$\frac{2}{3} + \frac{1}{3} + \frac{5}{6} =$$

$$\frac{3}{7} + \frac{4}{7} - \frac{3}{10} =$$

$$\frac{13}{20} + \frac{7}{15} + \frac{7}{20} =$$

$$\frac{2}{3} + \frac{5}{6} + \frac{1}{3} =$$

$$\frac{3}{7} - \frac{3}{10} + \frac{4}{7} =$$

$$\frac{13}{20} - \frac{7}{15} + \frac{7}{20} =$$

$$\frac{4}{9} + \frac{5}{9} + \frac{6}{35} =$$

$$\frac{9}{11} + \frac{2}{11} - \frac{2}{13} =$$

$$\frac{6}{13} + \frac{9}{100} + \frac{7}{13} =$$

$$\frac{4}{9} + \frac{6}{35} + \frac{5}{9} =$$

$$\frac{9}{11} - \frac{2}{13} + \frac{2}{11} =$$

$$\frac{6}{13} - \frac{9}{100} + \frac{7}{13} =$$

$$\frac{5}{12} + \frac{7}{12} + \frac{8}{23} =$$

$$\frac{2}{5} + \frac{3}{5} - \frac{1}{7} =$$

$$\frac{1}{2} + \left(\frac{1}{4} - \frac{1}{8}\right) =$$

$$\frac{5}{12} + \frac{8}{23} + \frac{7}{12} =$$

$$\frac{2}{5} - \frac{1}{7} + \frac{3}{5} =$$

$$\frac{1}{2} + \left(\frac{1}{5} - \frac{1}{10}\right) =$$

$$\frac{7}{10} + \frac{3}{10} + \frac{4}{9} =$$

$$\frac{9}{14} + \frac{5}{14} - \frac{4}{17} =$$

$$\frac{3}{10} + \left(\frac{7}{10} - \frac{2}{15}\right) =$$

$$\frac{7}{10} + \frac{4}{9} + \frac{3}{10} =$$

$$\frac{9}{14} - \frac{4}{17} + \frac{5}{14} =$$

$$\frac{1}{3} + \left(\frac{1}{6} - \frac{1}{12}\right) =$$

$$\frac{1}{2} + \frac{1}{2} + \frac{1}{3} =$$

$$\frac{5}{8} + \frac{3}{8} - \frac{4}{7} =$$

$$\frac{7}{19} - \frac{7}{23} + \frac{12}{19} =$$

$$\frac{1}{2} + \frac{1}{3} + \frac{1}{2} =$$

$$\frac{5}{8} - \frac{4}{7} + \frac{3}{8} =$$

$$\frac{2}{5} + \frac{1}{6} + \frac{3}{5} =$$

$$\frac{5}{7} + \frac{2}{7} + \frac{3}{4} =$$

$$\frac{9}{11} + \frac{2}{11} - \frac{7}{10} =$$

$$\frac{9}{10} - \frac{7}{13} + \frac{1}{10} =$$

 记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。

6



日积月累

整数加法的交换律、结合律对分数加法同样适用。



## “分数王国”与“小数王国”

1. 将分数化成小数。

$\frac{3}{4} =$

$\frac{2}{5} =$

$\frac{1}{8} =$

$\frac{7}{8} =$

$\frac{4}{5} =$

$\frac{3}{25} =$

$\frac{9}{20} =$

$\frac{8}{25} =$

$\frac{7}{4} =$

$\frac{3}{20} =$

$\frac{7}{10} =$

$\frac{1}{20} =$

$\frac{9}{25} =$

2. 将小数化成分数。

$0.24 =$

$0.36 =$

$0.8 =$

$0.48 =$

$0.375 =$

$0.6 =$

$0.56 =$

$0.16 =$

$0.9 =$

$0.625 =$

$0.2 =$

$0.25 =$

$0.76 =$

3. 比大小。

$\frac{3}{10} \bigcirc 0.25$

$0.2 \bigcirc \frac{2}{9}$

$\frac{9}{10} \bigcirc 0.9$

$\frac{2}{3} \bigcirc 0.66$

$\frac{1}{10} \bigcirc 0.09$

$\frac{4}{5} \bigcirc 0.75$

$0.4 \bigcirc \frac{2}{5}$

$\frac{1}{2} \bigcirc 0.6$

$0.65 \bigcirc \frac{5}{8}$

$\frac{1}{3} \bigcirc 0.3$

$0.87 \bigcirc \frac{7}{8}$

$\frac{11}{50} \bigcirc 0.2$

$\frac{1}{9} \bigcirc 0.1$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒，答对 \_\_\_\_\_ 题。

分数化小数,根据分数与除法的关系,直接用分子除以分母。

日积月累



## 练习一

$$\frac{2}{5} + \frac{4}{7} =$$

$$1 - \frac{7}{15} - \frac{2}{15} =$$

$$(\quad) + \frac{1}{5} = \frac{3}{7}$$

$$\frac{7}{8} - \frac{11}{24} =$$

$$\frac{1}{10} - \frac{3}{8} + \frac{9}{10} =$$

$$(\quad) - \frac{3}{8} = \frac{1}{6}$$

$$\frac{1}{12} + \frac{5}{18} =$$

$$\frac{5}{6} - \left(\frac{5}{7} - \frac{1}{6}\right) =$$

$$\frac{3}{4} + (\quad) = \frac{13}{12}$$

$$\frac{1}{3} + \frac{3}{7} =$$

$$\frac{7}{11} + \frac{4}{5} + \frac{4}{11} =$$

$$\frac{14}{15} - (\quad) = \frac{7}{10}$$

$$\frac{8}{9} - \frac{5}{6} =$$

$$2 - \frac{1}{4} - \frac{3}{8} =$$

$$(\quad) + \frac{1}{3} = \frac{7}{11}$$

$$\frac{3}{5} + \frac{1}{20} =$$

$$\frac{8}{9} - \frac{4}{7} + \frac{1}{9} =$$

$$(\quad) - \frac{1}{4} = \frac{7}{24}$$

$$\frac{1}{4} - \frac{1}{7} =$$

$$\frac{1}{6} + \frac{1}{3} + \frac{1}{2} =$$

$$\frac{9}{100} + (\quad) = \frac{11}{50}$$

$$\frac{5}{6} - \frac{3}{8} =$$

$$1 - \left(\frac{2}{5} + \frac{4}{15}\right) =$$

$$\frac{4}{7} - (\quad) = \frac{1}{9}$$

$$\frac{4}{5} + \frac{3}{10} =$$

$$\frac{7}{18} + \frac{5}{9} + \frac{1}{18} =$$

$$\frac{7}{12} + (\quad) = \frac{15}{16}$$

$$\frac{2}{5} - \frac{1}{9} =$$

$$\frac{7}{10} + \left(\frac{3}{10} - \frac{5}{7}\right) =$$

$$(\quad) - \frac{3}{8} = \frac{7}{6}$$

$$\frac{5}{9} - \frac{7}{18} =$$

$$1 - \frac{1}{10} - \frac{3}{10} =$$

$$\frac{15}{34} + (\quad) = \frac{16}{17}$$

$$\frac{5}{14} + \frac{1}{2} =$$

$$\frac{3}{8} + \left(\frac{5}{8} - \frac{1}{2}\right) =$$

$$(\quad) - \frac{1}{6} = \frac{1}{12}$$

$$\frac{5}{6} - \frac{7}{12} =$$

$$\frac{4}{7} - \frac{2}{9} + \frac{3}{7} =$$

$$\frac{1}{2} - (\quad) = \frac{1}{3}$$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒，答对 \_\_\_\_\_ 题。

8



日积月累

小数化分数，先看是几位小数，就在1的后面添几个0作分母，去掉小数点后的数作分子，能约分的要约分。



## 绝招练习(1)



## 教你绝招

..... JIAONIJUEZHAO

当分子是1,分母是互质数的两个分数相加,和的分母是原来两个分母的积,分子是原来两个分母的和。

$$\text{如: } \frac{1}{2} + \frac{1}{5} = \frac{5+2}{2 \times 5} = \frac{7}{10}$$

$$\frac{1}{3} + \frac{1}{11} = \frac{11+3}{3 \times 11} = \frac{14}{33}$$

绝招你来用。

$$\frac{1}{2} + \frac{1}{3} =$$

$$\frac{1}{2} + \frac{1}{13} =$$

$$\frac{1}{4} + \frac{1}{11} =$$

$$\frac{1}{3} + \frac{1}{4} =$$

$$\frac{1}{3} + \frac{1}{5} =$$

$$\frac{1}{5} + \frac{1}{8} =$$

$$\frac{1}{4} + \frac{1}{5} =$$

$$\frac{1}{5} + \frac{1}{7} =$$

$$\frac{1}{5} + \frac{1}{9} =$$

$$\frac{1}{5} + \frac{1}{6} =$$

$$\frac{1}{7} + \frac{1}{9} =$$

$$\frac{1}{5} + \frac{1}{11} =$$

$$\frac{1}{6} + \frac{1}{7} =$$

$$\frac{1}{9} + \frac{1}{11} =$$

$$\frac{1}{6} + \frac{1}{13} =$$

$$\frac{1}{7} + \frac{1}{8} =$$

$$\frac{1}{2} + \frac{1}{7} =$$

$$\frac{1}{7} + \frac{1}{10} =$$

$$\frac{1}{8} + \frac{1}{9} =$$

$$\frac{1}{2} + \frac{1}{9} =$$

$$\frac{1}{7} + \frac{1}{11} =$$

$$\frac{1}{9} + \frac{1}{10} =$$

$$\frac{1}{2} + \frac{1}{11} =$$

$$\frac{1}{7} + \frac{1}{12} =$$

$$\frac{1}{10} + \frac{1}{11} =$$

$$\frac{1}{3} + \frac{1}{7} =$$

$$\frac{1}{7} + \frac{1}{13} =$$

$$\frac{1}{29} + \frac{1}{30} =$$

$$\frac{1}{3} + \frac{1}{8} =$$

$$\frac{1}{8} + \frac{1}{11} =$$

$$\frac{1}{19} + \frac{1}{20} =$$

$$\frac{1}{3} + \frac{1}{10} =$$

$$\frac{1}{8} + \frac{1}{13} =$$

$$\frac{1}{20} + \frac{1}{21} =$$

$$\frac{1}{4} + \frac{1}{7} =$$

$$\frac{1}{9} + \frac{1}{14} =$$

$$\frac{1}{99} + \frac{1}{100} =$$

$$\frac{1}{4} + \frac{1}{9} =$$

$$\frac{1}{10} + \frac{1}{17} =$$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。

公因数只有1的两个数是互质数。相邻两个非零自然数一定是互质数,两个质数一定是互质数。

日积月累



## 绝招练习(2)



### 教你绝招

..... JIAONIJUEZHAO

当分子是1,分母是互质数的两个分数相减,差的分母是原来两个分母的积,分子是原来两个分母的差。

$$\text{如: } \frac{1}{2} - \frac{1}{5} = \frac{5-2}{2 \times 5} = \frac{3}{10} \qquad \frac{1}{3} - \frac{1}{11} = \frac{11-3}{3 \times 11} = \frac{8}{33}$$

绝招你来用。

$\frac{1}{2} - \frac{1}{3} =$

$\frac{1}{3} - \frac{1}{4} =$

$\frac{1}{4} - \frac{1}{5} =$

$\frac{1}{5} - \frac{1}{6} =$

$\frac{1}{6} - \frac{1}{7} =$

$\frac{1}{7} - \frac{1}{8} =$

$\frac{1}{8} - \frac{1}{9} =$

$\frac{1}{9} - \frac{1}{10} =$

$\frac{1}{10} - \frac{1}{11} =$

$\frac{1}{29} - \frac{1}{30} =$

$\frac{1}{19} - \frac{1}{20} =$

$\frac{1}{20} - \frac{1}{21} =$

$\frac{1}{99} - \frac{1}{100} =$

$\frac{1}{2} - \frac{1}{13} =$

$\frac{1}{3} - \frac{1}{5} =$

$\frac{1}{5} - \frac{1}{7} =$

$\frac{1}{7} - \frac{1}{9} =$

$\frac{1}{9} - \frac{1}{11} =$

$\frac{1}{2} - \frac{1}{7} =$

$\frac{1}{2} - \frac{1}{9} =$

$\frac{1}{2} - \frac{1}{11} =$

$\frac{1}{3} - \frac{1}{7} =$

$\frac{1}{3} - \frac{1}{8} =$

$\frac{1}{3} - \frac{1}{10} =$

$\frac{1}{4} - \frac{1}{7} =$

$\frac{1}{4} - \frac{1}{9} =$

$\frac{1}{4} - \frac{1}{11} =$

$\frac{1}{5} - \frac{1}{8} =$

$\frac{1}{5} - \frac{1}{9} =$

$\frac{1}{5} - \frac{1}{11} =$

$\frac{1}{6} - \frac{1}{13} =$

$\frac{1}{7} - \frac{1}{10} =$

$\frac{1}{7} - \frac{1}{11} =$

$\frac{1}{7} - \frac{1}{12} =$

$\frac{1}{7} - \frac{1}{13} =$

$\frac{1}{8} - \frac{1}{11} =$

$\frac{1}{8} - \frac{1}{13} =$

$\frac{1}{9} - \frac{1}{14} =$

$\frac{1}{10} - \frac{1}{17} =$



### 记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。





## 第一单元口算能力测试

$$\frac{1}{4} + \frac{5}{12} =$$

$$1 - \frac{1}{8} - \frac{5}{6} =$$

$$0.25 \bigcirc \frac{1}{4}$$

$$\frac{3}{4} - \frac{3}{8} =$$

$$\frac{4}{7} - \frac{5}{6} + \frac{3}{7} =$$

$$\frac{5}{6} \bigcirc 0.84$$

$$\frac{2}{3} + \frac{4}{5} =$$

$$2 - \frac{5}{16} - \frac{7}{16} =$$

$$\frac{3}{4} \bigcirc 0.8$$

$$\frac{4}{5} - \frac{3}{10} =$$

$$\frac{11}{16} + \frac{7}{10} + \frac{5}{16} =$$

$$0.06 \bigcirc \frac{3}{5}$$

$$\frac{3}{5} + \frac{1}{7} =$$

$$\frac{7}{13} - \left( \frac{8}{9} - \frac{6}{13} \right) =$$

$$\frac{5}{9} \bigcirc 0.5$$

$$\frac{7}{8} - \frac{3}{5} =$$

$$1 - \frac{7}{20} - \frac{9}{20} =$$

$$\frac{7}{25} \bigcirc 0.28$$

$$\frac{1}{6} + \frac{7}{12} =$$

$$1 - \left( \frac{1}{3} + \frac{1}{4} \right) =$$

$$\frac{9}{20} \bigcirc 0.45$$

$$\frac{8}{9} - \frac{1}{3} =$$

$$\frac{1}{4} + \frac{4}{11} + \frac{7}{4} =$$

$$0.7 \bigcirc \frac{7}{9}$$

$$\frac{3}{4} + \frac{1}{6} =$$

$$\frac{10}{13} - \frac{5}{9} + \frac{3}{13} =$$

$$\frac{3}{20} \bigcirc 0.16$$

$$\frac{5}{8} - \frac{3}{10} =$$

$$\frac{3}{2} - \frac{5}{14} - \frac{9}{14} =$$

$$\frac{3}{10} \bigcirc 0.25$$

$$\frac{7}{10} + \frac{3}{20} =$$

$$\frac{9}{10} + \frac{7}{8} + \frac{1}{10} =$$

$$\frac{4}{25} \bigcirc 0.15$$

$$\frac{11}{12} - \frac{3}{8} =$$

$$\frac{3}{5} + \frac{1}{4} + \frac{7}{5} =$$

$$\frac{13}{20} \bigcirc 0.75$$

$$\frac{1}{4} + \frac{2}{9} =$$

$$\frac{9}{10} - \left( \frac{9}{10} - \frac{4}{5} \right) =$$

$$1.25 \bigcirc \frac{5}{4}$$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。



## 二、长方体(一)

### 长方体的认识

$(5+4+2) \times 4 =$

$6 \times 12 =$

$96 \div 4 - 14 =$

$(2.7+3+4.3) \times 4 =$

$8 \times 12 =$

$48 \div 4 - 7 =$

$(8+6+4) \times 4 =$

$4 \times 12 =$

$52 \div 4 - 8 =$

$(5.5+5+4.5) \times 4 =$

$2.5 \times 12 =$

$72 \div 4 - 9 =$

$(7.2+6+2.8) \times 4 =$

$7 \times 12 =$

$240 \div 4 - 50 =$

$(30+20+10) \times 4 =$

$5 \times 12 =$

$56 \div 4 - 5 =$

$(6.4+5.6+5) \times 4 =$

$20 \times 12 =$

$84 \div 4 - 7 =$

$(7+5+3) \times 4 =$

$15 \times 12 =$

$60 \div 12 =$

$(8+8+4) \times 4 =$

$9 \times 12 =$

$96 \div 12 =$

$(12.4+7.6+5) \times 4 =$

$3 \times 12 =$

$48 \div 12 =$

$(15+8.4+3.6) \times 4 =$

$4.5 \times 12 =$

$72 \div 12 =$

$(18+12+6) \times 4 =$

$12 \times 12 =$

$84 \div 12 =$

$(3+8+9) \times 4 =$

$5.5 \times 12 =$

$108 \div 12 =$

$(3.2+1.8+6) \times 4 =$

$11 \times 12 =$

$120 \div 12 =$

$(17+12+23) \times 4 =$

$30 \times 12 =$

$240 \div 12 =$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。





## 展开与折叠

$2.5 \times 3 \times 2 =$

$4 \times 4 \times 6 =$

$7.5 \times 4 \times 2 =$

$1.8 \times 5 \times 2 =$

$5 \times 5 \times 6 =$

$3.2 \times 2.5 \times 2 =$

$4.5 \times 4 \times 2 =$

$8 \times 8 \times 6 =$

$1.5 \times 1.5 \times 4 =$

$8 \times 6 \times 2 =$

$6 \times 6 \times 6 =$

$2.5 \times 2.5 \times 4 =$

$3.2 \times 3 \times 2 =$

$0.2 \times 0.2 \times 6 =$

$0.5 \times 0.5 \times 5 =$

$15 \times 12 \times 2 =$

$0.5 \times 0.5 \times 6 =$

$0.8 \times 0.8 \times 5 =$

$54 \times 50 \times 2 =$

$0.3 \times 0.3 \times 6 =$

$0.6 \times 0.6 \times 5 =$

$10 \times 8 \times 2 =$

$7 \times 7 \times 6 =$

$4.5 \times 3 \times 4 =$

$0.8 \times 0.5 \times 2 =$

$20 \times 20 \times 6 =$

$0.5 \times 0.8 \times 4 =$

$3.5 \times 3 \times 2 =$

$1.5 \times 1.5 \times 6 =$

$0.6 \times 0.6 \times 6 =$

$3.6 \times 2.5 \times 2 =$

$9 \times 9 \times 6 =$

$30 \times 30 \times 5 =$

$11 \times 7 \times 2 =$

$0.1 \times 0.1 \times 6 =$

$0.4 \times 0.4 \times 6 =$

$15 \times 8 \times 2 =$

$30 \times 30 \times 6 =$

$3.8 \times 2.5 \times 2 =$

$12 \times 2.5 \times 4 =$

$20 \times 3 \times 5 =$

$4 \times 6 \times 5 =$

$0.5 \times 0.6 \times 2 =$

$1.2 \times 5 \times 4 =$

$4.5 \times 2 \times 4 =$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。

长方体的表面积 = (长 × 宽 + 长 × 高 + 宽 × 高) × 2  
 正方体的表面积 = 棱长 × 棱长 × 6

日积月累



长方体的表面积

$20 \times 20 \times 6 =$

$3.5 \times 2 \times 2 =$

$5 \times 5 \times 6 =$

$0.2 \times 0.2 \times 5 =$

$0.3 \times 0.3 \times 6 =$

$4 \times 4 \times 4 =$

$8 \times 8 \times 2 =$

$0.4 \times 0.4 \times 4 =$

$5 \times 5 \times 5 =$

$6 \times 6 \times 5 =$

$30 \times 30 \times 6 =$

$1.2 \times 1.2 \times 5 =$

$0.6 \times 0.6 \times 2 =$

$0.1 \times 0.1 \times 6 =$

$4 \times 4 \times 6 =$

$20 \times 20 \times 4 =$

$0.7 \times 0.3 \times 2 =$

$30 \times 30 \times 2 =$

$0.5 \times 0.5 \times 6 =$

$0.4 \times 0.5 \times 4 =$

$1.25 \times 8 \times 6 =$

$1.5 \times 1.5 \times 4 =$

$20 \times 50 \times 2 =$

$3.5 \times 4 \times 6 =$

$10 \times 10 \times 3 =$

$40 \times 0.5 \times 2 =$

$0.7 \times 0.5 \times 4 =$

$5 \times 5 \times 4 =$

$3.5 \times 4 \times 2 =$

$0.8 \times 2 \times 5 =$

$9 \times 9 \times 6 =$

$5 \times 2.5 \times 4 =$

$10 \times 10 \times 6 =$

$2.5 \times 2.5 \times 4 =$

$18 \times 0.5 \times 2 =$

$7 \times 7 \times 2 =$

$0.4 \times 0.4 \times 6 =$

$10 \times 11 \times 6 =$

$1.5 \times 2 \times 6 =$

$2.4 \times 5 \times 2 =$

$6 \times 6 \times 6 =$

$1.8 \times 5 \times 6 =$

$1.3 \times 10 \times 6 =$

$1.6 \times 5 \times 4 =$

$2.2 \times 5 \times 6 =$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒，答对 \_\_\_\_\_ 题。





## 露在外面的面

$4 \times 4 \times 3 =$

$5 \times 5 \times 5 =$

$2 \times 2 \times 9 =$

$6 \times 6 \times 3 =$

$6 \times 6 \times 5 =$

$3 \times 3 \times 8 =$

$0.2 \times 0.2 \times 3 =$

$0.4 \times 0.4 \times 5 =$

$2.5 \times 2.5 \times 8 =$

$5 \times 5 \times 3 =$

$0.9 \times 0.9 \times 5 =$

$0.7 \times 0.7 \times 6 =$

$4.5 \times 4 \times 3 =$

$40 \times 40 \times 5 =$

$100 \times 40 + 100 \times 80 =$

$6 \times 7 \times 3 =$

$0.3 \times 0.3 \times 5 =$

$5 \times 5 \times 8 =$

$8 \times 8 \times 3 =$

$15 \times 4 \times 5 =$

$40 \times 40 \times 9 =$

$10 \times 10 \times 3 =$

$16 \times 16 \times 5 =$

$100 \times 100 \times 7 =$

$0.7 \times 0.7 \times 3 =$

$12 \times 12 \times 5 =$

$50 \times 30 + 50 \times 100 =$

$3.2 \times 5 \times 3 =$

$8 \times 5 \times 4 =$

$100 \times 50 \times 3 =$

$0.8 \times 0.5 \times 3 =$

$6 \times 4 \times 5 =$

$7.5 \times 7.5 \times 8 =$

$2.5 \times 8 \times 3 =$

$2.5 \times 8 \times 5 =$

$20 \times 20 \times 7 =$

$5 \times 6 \times 3 =$

$3.2 \times 4 \times 5 =$

$(30 + 40) \times 50 =$

$0.5 \times 0.3 \times 3 =$

$2.5 \times 4 \times 6 =$

$12 \times 5 + 8 \times 5 =$

$3.5 \times 2 \times 3 =$

$10 \times 10 \times 5 =$

$30 \times 30 \times 8 =$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。

计算露在外面的面的面积,可采用观察物体的方法。先画出所看到的平面图,再算面积。



## 练习二

$10 \times 12 \times 2.5 =$

$1.5 \times 5 \times 2 =$

$(48 + 30 + 40) \times 2 =$

$10 \times 10 \times 6 =$

$3.5 \times 1.5 + 2.5 \times 1.5 =$

$(3 + 1.2 + 0.9) \times 2 =$

$20 \times 6 \times 2 =$

$10 \times 2 \times 2 =$

$(20 + 15 + 12) \times 2 =$

$20 \times 10 \times 2 =$

$(15 + 10) \times 2 =$

$(5.7 + 4 + 2.3) \times 4 =$

$20 \times 10 + 6 \times 10 =$

$1.8 \times 1.8 \times 5 =$

$100 \div 4 - 9 =$

$(20 + 10 + 6) \times 4 =$

$3.2 \times 5 \times 2 =$

$4.8 \times 5 \times 2 =$

$40 \times 40 \times 2 =$

$8 \times 0.7 \times 2 =$

$0.9 \times 0.5 \times 4 =$

$40 \times 25 \times 2 =$

$1.8 \times 4 \times 5 =$

$108 \div 12 =$

$20 \times 20 \times 5 =$

$0.3 \times 0.2 \times 3 =$

$6.5 \times 4 \times 2 =$

$20 \times 20 \times 4 =$

$0.1 \times 0.1 \times 9 =$

$4.5 \times 4 \times 3 =$

$20 \times 20 \times 13 =$

$0.56 \div 4 - 0.04 =$

$2.5 \times 16 \times 4 =$

$10 \times 10 \times 8 =$

$0.72 \div 12 =$

$2.5 \times 1.5 \times 8 =$

$3.5 \times 5 \times 2 =$

$(3.8 + 5 + 6.2) \times 4 =$

$3.2 \times 5 \times 9 =$

$3 \times 3 \times 6 =$

$0.25 \times 2 \times 5 =$

$12 \times 5 - 30 =$

$50 \times 50 \times 2 =$

$(12 + 13) \times 4 =$

$7 \times 4 \times 5 =$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。





## 第二单元口算能力测试

$45 \times 12 =$

$10 \times 10 \times 7 =$

$0.5 \times 0.5 \times 6 =$

$60 \times 12 =$

$5 \times 5 \times 9 =$

$100 \times 100 \times 6 =$

$0.25 \times 12 =$

$7.5 \times 8 \times 2 =$

$0.5 \times 0.5 \times 8 =$

$7.5 \times 12 =$

$4.5 \times 2 \times 6 =$

$2.5 \times 2.5 \times 8 =$

$21.6 \div 6 =$

$27 \times 2 \times 3 =$

$0.3 \times 0.3 \times 9 =$

$1.8 \div 1.2 =$

$21.6 \div 4 - 2.7 =$

$(2.5 + 7.5) \times 8 =$

$3.5 \times 6 \times 2 =$

$3.6 \div 4 - 0.4 =$

$(8 + 6) \times 3.5 =$

$5 \times 6.4 \times 2 =$

$13.2 \div 4 - 1.2 =$

$(4.8 + 2.4) \times 5 =$

$0.8 \times 1.5 \times 2 =$

$0.84 \div 4 - 0.08 =$

$(13 + 11 + 7) \times 4 =$

$1.8 \times 2.5 \times 2 =$

$0.96 \div 4 \div 3 =$

$(14 + 8 + 7) \times 2 =$

$0.8 \times 0.8 \times 3 =$

$8.4 \div 4 \div 3 =$

$(21 + 12 + 8) \times 2 =$

$9 \times 9 \times 3 =$

$2.5 \times 2.5 \times 4 =$

$(48 + 20 + 15) \times 2 =$

$11 \times 11 \times 3 =$

$15 \times 15 \times 4 =$

$(7.6 + 3.4 + 2) \times 4 =$

$7 \times 7 \times 4 =$

$6 \times 4.5 \times 5 =$

$(9.3 + 6.7 + 6) \times 4 =$

$8 \times 8 \times 5 =$

$16 \times 16 \times 5 =$

$(12.6 + 7.4 + 5) \times 4 =$



**记一记**

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。

在计算棱长总和、表面积时,有时运用加法、乘法的运算定律以及除法的性质使口算简便。

日积月累



### 三、分数乘法

#### 分数乘法(一)

$$\frac{4}{7} \times 2 =$$

$$\frac{4}{15} \times 25 =$$

$$\frac{6}{7} \times 14 =$$

$$\frac{5}{8} \times 3 =$$

$$\frac{7}{18} \times 12 =$$

$$\frac{7}{12} \times 14 =$$

$$9 \times \frac{2}{15} =$$

$$14 \times \frac{9}{28} =$$

$$\frac{4}{9} \times 12 =$$

$$8 \times \frac{7}{12} =$$

$$16 \times \frac{5}{12} =$$

$$\frac{3}{8} \times 240 =$$

$$\frac{5}{6} \times 6 =$$

$$\frac{3}{8} \times 6 =$$

$$\frac{5}{14} \times 28 =$$

$$\frac{3}{8} \times 4 =$$

$$32 \times \frac{3}{8} =$$

$$\frac{3}{13} \times 6 =$$

$$7 \times \frac{5}{12} =$$

$$\frac{5}{14} \times 5 =$$

$$25 \times \frac{7}{30} =$$

$$\frac{7}{8} \times 24 =$$

$$\frac{7}{9} \times 36 =$$

$$\frac{11}{25} \times 15 =$$

$$\frac{7}{10} \times 10 =$$

$$8 \times \frac{5}{6} =$$

$$49 \times \frac{3}{7} =$$

$$\frac{5}{6} \times 9 =$$

$$24 \times \frac{7}{16} =$$

$$\frac{3}{13} \times 5 =$$

$$\frac{3}{5} \times 10 =$$

$$\frac{5}{8} \times 10 =$$

$$25 \times \frac{4}{5} =$$

$$5 \times \frac{2}{7} =$$

$$\frac{4}{9} \times 18 =$$

$$\frac{3}{10} \times 4 =$$

$$\frac{3}{11} \times 3 =$$

$$24 \times \frac{5}{12} =$$

$$\frac{2}{7} \times 21 =$$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。





## 分数乘法(二)

$\frac{1}{7} \times 14 =$

$9 \times \frac{2}{3} =$

$\frac{5}{8} \times 16 =$

$\frac{1}{3} \times 6 =$

$\frac{2}{7} \times 3 =$

$\frac{1}{6} \times 10 =$

$10 \times \frac{2}{5} =$

$\frac{1}{5} \times 10 =$

$6 \times \frac{1}{7} =$

$\frac{1}{4} \times 3 =$

$12 \times \frac{3}{8} =$

$8 \times \frac{3}{4} =$

$\frac{3}{8} \times 10 =$

$\frac{5}{6} \times 3 =$

$\frac{5}{8} \times 12 =$

$\frac{5}{9} \times 21 =$

$\frac{3}{10} \times 8 =$

$\frac{3}{7} \times 21 =$

$49 \times \frac{2}{7} =$

$\frac{5}{12} \times 20 =$

$\frac{4}{9} \times 15 =$

$20 \times \frac{7}{8} =$

$\frac{9}{13} \times 26 =$

$24 \times \frac{1}{8} =$

$\frac{4}{9} \times 27 =$

$\frac{7}{15} \times 25 =$

$30 \times \frac{3}{10} =$

$\frac{7}{10} \times 15 =$

$40 \times \frac{9}{20} =$

$\frac{3}{13} \times 3 =$

$16 \times \frac{7}{12} =$

$\frac{2}{15} \times 5 =$

$\frac{5}{14} \times 21 =$

$\frac{3}{16} \times 32 =$

$75 \times \frac{4}{15} =$

$\frac{2}{45} \times 15 =$

$60 \times \frac{1}{20} =$

$\frac{7}{30} \times 60 =$

$27 \times \frac{2}{9} =$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。

求一个数的几分之几是多少, 用乘法计算。

日积月累



分数乘法(三)(1)

$$\frac{1}{2} \times \frac{1}{3} =$$

$$\frac{3}{4} \times \frac{8}{9} =$$

$$\frac{3}{7} \times \frac{7}{15} =$$

$$\frac{3}{4} \times \frac{1}{5} =$$

$$\frac{3}{11} \times \frac{2}{3} =$$

$$\frac{6}{7} \times \frac{2}{3} =$$

$$\frac{3}{5} \times \frac{3}{4} =$$

$$\frac{3}{10} \times \frac{8}{9} =$$

$$\frac{11}{12} \times \frac{3}{22} =$$

$$\frac{5}{6} \times \frac{3}{10} =$$

$$\frac{3}{4} \times \frac{5}{6} =$$

$$\frac{1}{6} \times \frac{6}{7} =$$

$$\frac{7}{8} \times \frac{4}{7} =$$

$$\frac{7}{9} \times \frac{6}{7} =$$

$$\frac{3}{4} \times \frac{8}{21} =$$

$$\frac{5}{9} \times \frac{3}{5} =$$

$$\frac{4}{25} \times \frac{5}{8} =$$

$$\frac{4}{15} \times \frac{3}{8} =$$

$$\frac{12}{13} \times \frac{5}{12} =$$

$$\frac{7}{8} \times \frac{5}{14} =$$

$$\frac{13}{24} \times \frac{9}{26} =$$

$$\frac{4}{9} \times \frac{1}{8} =$$

$$\frac{1}{2} \times \frac{3}{4} =$$

$$\frac{5}{2} \times \frac{4}{5} =$$

$$\frac{5}{6} \times \frac{7}{10} =$$

$$\frac{10}{7} \times \frac{2}{5} =$$

$$\frac{7}{4} \times \frac{2}{7} =$$

$$\frac{5}{12} \times \frac{4}{5} =$$

$$\frac{7}{12} \times \frac{3}{14} =$$

$$\frac{9}{10} \times \frac{2}{3} =$$

$$\frac{1}{3} \times \frac{6}{7} =$$

$$\frac{5}{9} \times \frac{1}{3} =$$

$$\frac{5}{9} \times \frac{3}{10} =$$

$$\frac{4}{5} \times \frac{5}{8} =$$

$$\frac{3}{20} \times \frac{4}{5} =$$

$$\frac{2}{11} \times \frac{5}{6} =$$

$$\frac{2}{7} \times \frac{3}{4} =$$

$$\frac{7}{8} \times \frac{2}{7} =$$

$$\frac{2}{9} \times \frac{18}{19} =$$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。





## 分数乘法(三)(2)

$$\frac{3}{5} \times \frac{1}{6} \bigcirc \frac{3}{5}$$

$$42 \times \frac{3}{2} \bigcirc 42$$

$$\frac{5}{9} \times \frac{3}{4} \bigcirc \frac{5}{9}$$

$$\frac{7}{9} \times \frac{5}{21} \bigcirc \frac{7}{9}$$

$$81 \times \frac{10}{9} \bigcirc 81$$

$$\frac{1}{2} \times \frac{6}{5} \bigcirc \frac{1}{2}$$

$$\frac{5}{6} \times \frac{2}{3} \bigcirc \frac{5}{6}$$

$$\frac{5}{14} \times \frac{4}{3} \bigcirc \frac{5}{14}$$

$$\frac{6}{7} \times \frac{5}{4} \bigcirc \frac{6}{7}$$

$$\frac{4}{5} \times \frac{3}{10} \bigcirc \frac{4}{5}$$

$$\frac{5}{9} \times \frac{5}{4} \bigcirc \frac{5}{9}$$

$$\frac{3}{4} \times 1 \bigcirc \frac{3}{4}$$

$$\frac{6}{7} \times \frac{3}{8} \bigcirc \frac{6}{7}$$

$$\frac{4}{7} \times 2 \bigcirc \frac{4}{7}$$

$$\frac{7}{8} \times \frac{5}{6} \bigcirc \frac{7}{8}$$

$$\frac{5}{17} \times \frac{34}{35} \bigcirc \frac{5}{17}$$

$$\frac{6}{5} \times 12 \bigcirc \frac{6}{5}$$

$$\frac{9}{10} \times \frac{4}{3} \bigcirc \frac{9}{10}$$

$$15 \times \frac{4}{5} \bigcirc 15$$

$$\frac{2}{7} \times \frac{7}{6} \bigcirc \frac{2}{7}$$

$$\frac{5}{4} \times \frac{3}{4} \bigcirc \frac{3}{4}$$

$$42 \times \frac{7}{8} \bigcirc 42$$

$$18 \times \frac{6}{5} \bigcirc 18$$

$$\frac{5}{7} \times \frac{5}{7} \bigcirc \frac{5}{7}$$

$$54 \times \frac{8}{9} \bigcirc 54$$

$$\frac{15}{16} \times \frac{7}{5} \bigcirc \frac{15}{16}$$

$$\frac{4}{5} \times \frac{3}{7} \bigcirc \frac{3}{5} \times \frac{4}{7}$$

$$\frac{3}{5} \times \frac{5}{9} \bigcirc \frac{3}{5}$$

$$\frac{98}{99} \times 2 \bigcirc \frac{98}{99}$$

$$\frac{7}{11} \times \frac{8}{7} \bigcirc \frac{7}{11}$$

$$10 \times \frac{3}{4} \bigcirc 10$$

$$52 \times \frac{8}{7} \bigcirc 52$$

$$\frac{2}{7} \times \frac{5}{8} \bigcirc \frac{2}{7}$$

$$\frac{1}{7} \times \frac{1}{7} \bigcirc \frac{1}{7}$$

$$\frac{5}{3} \times \frac{5}{3} \bigcirc \frac{5}{3}$$

$$\frac{10}{9} \times \frac{6}{5} \bigcirc \frac{10}{9}$$

$$\frac{5}{9} \times \frac{2}{3} \bigcirc \frac{2}{3}$$

$$\frac{3}{4} \times \frac{3}{4} \bigcirc \frac{3}{4}$$

$$\frac{7}{8} \times \frac{5}{4} \bigcirc \frac{5}{4}$$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。

一个数(0除外), 乘小于1的数, 积比原来的数小; 乘大于1的数, 积比原来的数大。

日积月累



分数乘法(三)(3)

$$\frac{4}{5} \times 3 =$$

$$\frac{4}{17} \times 51 =$$

$$\frac{14}{15} \times \frac{5}{7} =$$

$$12 \times \frac{5}{6} =$$

$$6 \times \frac{4}{9} =$$

$$25 \times \frac{3}{20} =$$

$$\frac{7}{12} \times \frac{8}{21} =$$

$$\frac{4}{9} \times \frac{3}{16} =$$

$$\frac{9}{16} \times 12 =$$

$$\frac{4}{7} \times 21 =$$

$$\frac{13}{18} \times 12 =$$

$$\frac{5}{24} \times \frac{8}{15} =$$

$$50 \times \frac{3}{5} =$$

$$20 \times \frac{3}{25} =$$

$$14 \times \frac{4}{7} =$$

$$\frac{24}{25} \times \frac{5}{6} =$$

$$\frac{3}{4} \times \frac{2}{7} =$$

$$\frac{7}{30} \times 25 =$$

$$\frac{7}{18} \times 9 =$$

$$\frac{13}{24} \times 12 =$$

$$\frac{12}{19} \times \frac{19}{48} =$$

$$\frac{7}{12} \times 16 =$$

$$\frac{5}{7} \times \frac{3}{10} =$$

$$\frac{4}{5} \times 140 =$$

$$120 \times \frac{4}{5} =$$

$$90 \times \frac{8}{9} =$$

$$40 \times \frac{9}{8} =$$

$$\frac{12}{13} \times \frac{13}{24} =$$

$$\frac{11}{12} \times \frac{9}{22} =$$

$$\frac{16}{15} \times \frac{9}{8} =$$

$$20 \times \frac{7}{10} =$$

$$\frac{7}{36} \times 18 =$$

$$60 \times \frac{5}{24} =$$

$$\frac{5}{8} \times \frac{3}{20} =$$

$$\frac{5}{6} \times \frac{6}{11} =$$

$$\frac{11}{15} \times \frac{3}{11} =$$

$$\frac{6}{7} \times \frac{5}{12} =$$

$$50 \times \frac{2}{25} =$$

$$\frac{7}{9} \times \frac{2}{21} =$$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。





## 倒 数 (1)

$$\frac{5}{7} \times \frac{7}{5} =$$

$$\frac{7}{16} \times ( ) = 1$$

$$1 = ( ) \times 7.5$$

$$8 \times \frac{1}{8} =$$

$$0.5 \times ( ) = 1$$

$$1 = ( ) \times \frac{4}{5}$$

$$0.2 \times 5 =$$

$$\frac{13}{6} \times ( ) = 1$$

$$1 = ( ) \times \frac{1}{2}$$

$$\frac{2}{11} \times \frac{11}{2} =$$

$$\frac{7}{120} \times ( ) = 1$$

$$1 = ( ) \times \frac{8}{3}$$

$$\frac{1}{4} \times 4 =$$

$$4 \times ( ) = 1$$

$$1 = ( ) \times \frac{5}{6}$$

$$4 \times 0.25 =$$

$$100 \times ( ) = 1$$

$$1 = 0.45 \times ( )$$

$$\frac{3}{4} \times \frac{4}{3} =$$

$$0.4 \times ( ) = 1$$

$$1 = \frac{8}{5} \times ( )$$

$$6 \times \frac{1}{6} =$$

$$\frac{8}{7} \times ( ) = 1$$

$$1 = 18 \times ( )$$

$$0.125 \times 8 =$$

$$15 \times ( ) = 1$$

$$1 = 0.7 \times ( )$$

$$2.5 \times \frac{2}{5} =$$

$$0.75 \times ( ) = 1$$

$$1 = 9 \times ( )$$

$$\frac{1}{7} \times 7 =$$

$$20 \times ( ) = 1$$

$$1 = ( ) \times \frac{2}{9}$$

$$0.1 \times 10 =$$

$$0.6 \times ( ) = 1$$

$$1 = \frac{3}{11} \times ( )$$

$$\frac{9}{5} \times \frac{5}{9} =$$

$$\frac{9}{20} \times ( ) = 1$$

$$1 = 37 \times ( )$$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。

乘积为 1 的两个数互为倒数。

倒 数 (2)

$$\frac{5}{17} \times ( ) = 1$$

$$\frac{7}{13} \times ( ) = 1$$

$$\frac{4}{9} \times 1 \bigcirc \frac{4}{9} \times \frac{9}{4}$$

$$\frac{7}{16} \times ( ) = 1$$

$$3 \times ( ) = 1$$

$$\frac{5}{13} \times 0 \bigcirc \frac{5}{13} \times \frac{13}{5}$$

$$0.35 \times ( ) = 1$$

$$4.5 \times ( ) = 1$$

$$\frac{4}{5} \times \frac{5}{4} \bigcirc \frac{8}{9} \times \frac{9}{8}$$

$$0.8 \times ( ) = 1$$

$$\frac{7}{12} \times ( ) = 1$$

$$4 \times \frac{1}{4} \bigcirc 0.25 \times 4$$

$$15 \times ( ) = 1$$

$$3.2 \times ( ) = 1$$

$$0.32 \times \frac{25}{8} \bigcirc \frac{4}{7} \times \frac{7}{4}$$

$$\frac{7}{4} \times ( ) = 1$$

$$\frac{17}{24} \times ( ) = 1$$

$$0.75 \times \frac{4}{3} \bigcirc 1$$

$$\frac{15}{32} \times ( ) = 1$$

$$\frac{14}{13} \times ( ) = 1$$

$$0.6 \times \frac{5}{3} \bigcirc 0.1 \times 10$$

$$1.8 \times ( ) = 1$$

$$0.9 \times ( ) = 1$$

$$\frac{4}{9} \times \frac{9}{14} \bigcirc \frac{9}{14}$$

$$5 \times ( ) = 1$$

$$7 \times ( ) = 1$$

$$\frac{5}{7} \times \frac{7}{5} \bigcirc 1.2 \times \frac{5}{6}$$

$$\frac{13}{18} \times ( ) = 1$$

$$\frac{5}{6} \times ( ) = 1$$

$$\frac{5}{9} \times 1.8 \bigcirc 1$$

$$\frac{5}{11} \times ( ) = 1$$

$$0.5 \times ( ) = 1$$

$$\frac{7}{8} \times \frac{7}{9} \bigcirc \frac{7}{8}$$

$$\frac{14}{15} \times ( ) = 1$$

$$12 \times ( ) = 1$$

$$\frac{3}{10} \times \frac{10}{3} \bigcirc 1$$

$$\frac{10}{9} \times ( ) = 1$$

$$1.4 \times ( ) = 1$$

$$0.7 \times \frac{7}{10} \bigcirc 1$$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒，答对 \_\_\_\_\_ 题。





## 练习三

$$17 \times \frac{4}{51} =$$

$$\frac{7}{40} \times 8 =$$

$$\frac{3}{4} \times \frac{5}{9} \bigcirc \frac{5}{9}$$

$$\frac{4}{5} \times \frac{6}{7} =$$

$$75 \times \frac{4}{5} =$$

$$\frac{8}{9} \times \frac{11}{10} \bigcirc \frac{8}{9}$$

$$74 \times \frac{8}{37} =$$

$$\frac{7}{9} + \frac{1}{18} =$$

$$\frac{5}{7} \times 4 \bigcirc 4 \times \frac{5}{7}$$

$$\frac{9}{10} \times \frac{5}{18} =$$

$$\frac{5}{4} - \frac{1}{3} =$$

$$\frac{11}{12} \times 13 \bigcirc \frac{13}{12} \times 11$$

$$\frac{13}{54} \times 9 =$$

$$40 \times \frac{7}{8} =$$

$$\frac{10}{11} \times \frac{11}{10} \bigcirc 0.125 \times 8$$

$$\frac{1}{7} - \frac{1}{9} =$$

$$\frac{8}{15} \times \frac{5}{8} =$$

$$1 \times \frac{1}{3} \bigcirc 1 - \frac{1}{3}$$

$$\frac{1}{4} + \frac{1}{18} =$$

$$1000 \times \left(1 + \frac{1}{10}\right) =$$

$$\frac{7}{4} \times \frac{4}{7} \bigcirc 1.5 \times \frac{2}{3}$$

$$\frac{3}{10} \times \frac{5}{9} =$$

$$200 \times \left(1 - \frac{1}{5}\right) =$$

$$\frac{7}{10} \times \frac{3}{5} \bigcirc \frac{7}{5} \times \frac{3}{10}$$

$$\frac{3}{13} \times \frac{5}{9} =$$

$$120 \times \left(1 + \frac{1}{3}\right) =$$

$$\frac{99}{100} \times \frac{9}{10} \bigcirc \frac{99}{100}$$

$$0.15 \times \frac{20}{3} =$$

$$300 \times \left(1 - \frac{1}{6}\right) =$$

$$\frac{19}{20} \times \frac{11}{10} \bigcirc \frac{19}{20}$$

$$\frac{5}{18} \times 6 =$$

$$\frac{1}{6} - \frac{1}{7} =$$

$$\frac{3}{4} \times 4 \bigcirc 4$$

$$\frac{3}{7} \times \frac{2}{9} =$$

$$\frac{3}{8} + \frac{1}{4} =$$

$$\frac{4}{5} \times 10 \bigcirc \frac{4}{5}$$

$$\frac{4}{5} \times \frac{5}{8} =$$

$$\frac{5}{7} \times \frac{3}{10} =$$

$$\frac{14}{13} \times \frac{5}{8} \bigcirc \frac{5}{8}$$



记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。

十分之几就是打几折。如:十分之七点五就是打七五折,十分之五就是打对折。

日积月累



### 第三单元口算能力测试

$8 \times \frac{1}{4} =$

$\frac{1}{12} + \frac{5}{18} =$

$\frac{4}{7} \times \frac{2}{3} \bigcirc \frac{4}{7}$

$\frac{1}{7} \times \frac{3}{8} =$

$\frac{2}{3} - \frac{3}{11} =$

$\frac{7}{9} \times 1 \bigcirc \frac{7}{9}$

$\frac{3}{5} \times \frac{5}{3} =$

$0.16 \times \frac{25}{4} =$

$8 \times \frac{5}{6} \bigcirc 8$

$35 \times \frac{4}{5} =$

$\frac{2}{7} \times \frac{1}{6} =$

$\frac{7}{24} \times 3 \bigcirc \frac{7}{24}$

$\frac{3}{14} \times \frac{7}{9} =$

$14 \times \frac{3}{4} =$

$\frac{5}{7} \times 1 \bigcirc \frac{5}{7} \times \frac{7}{5}$

$24 \times \frac{5}{12} =$

$\frac{1}{9} \times \frac{3}{7} =$

$\frac{5}{8} \times \frac{7}{9} \bigcirc \frac{5}{9} \times \frac{7}{8}$

$\frac{4}{5} \times \frac{4}{5} =$

$\frac{5}{9} \times \frac{3}{5} =$

$\frac{5}{11} \times \frac{11}{5} \bigcirc \frac{5}{2} \times 0.4$

$\frac{7}{4} - \frac{7}{8} =$

$\frac{14}{17} \times 0 =$

$\frac{5}{7} \times 1.4 \bigcirc \frac{5}{7}$

$\frac{3}{5} + \frac{1}{8} =$

$22 \times \frac{5}{11} =$

$\frac{11}{15} \times \frac{6}{5} \bigcirc \frac{11}{15}$

$\frac{13}{24} \times 8 =$

$\frac{10}{13} \times \frac{3}{5} =$

$\frac{73}{90} \times \frac{9}{10} \bigcirc \frac{73}{90}$

$\frac{5}{6} \times \frac{1}{5} =$

$19 \times \frac{3}{38} =$

$\frac{13}{18} \times 2 \bigcirc \frac{13}{18}$

$\frac{7}{12} \times \frac{3}{4} =$

$\frac{3}{5} + \frac{1}{7} =$

$\frac{13}{14} \times \frac{14}{13} \bigcirc 1$

$\frac{3}{8} \times \frac{4}{9} =$

$\frac{15}{16} - \frac{3}{4} =$

$\frac{6}{7} \times \frac{21}{20} \bigcirc \frac{6}{7}$

 记一记

用时 \_\_\_\_\_ 分 \_\_\_\_\_ 秒, 答对 \_\_\_\_\_ 题。





# 参考答案

## 第 1 页

$\frac{5}{8}$	$\frac{3}{8}$	$\frac{7}{18}$
$\frac{5}{12}$	$\frac{1}{4}$	$\frac{5}{18}$
$\frac{3}{8}$	$\frac{1}{8}$	$\frac{2}{9}$
$\frac{4}{15}$	$\frac{2}{15}$	$\frac{8}{45}$
$\frac{5}{24}$	$\frac{1}{8}$	$\frac{8}{49}$
$\frac{5}{28}$	$\frac{3}{28}$	$\frac{6}{49}$
$\frac{3}{20}$	$\frac{1}{10}$	$\frac{6}{55}$
$\frac{7}{54}$	$\frac{5}{54}$	$\frac{4}{55}$
$\frac{1}{9}$	$\frac{4}{45}$	$\frac{1}{9}$
$\frac{3}{22}$	$\frac{1}{22}$	$\frac{1}{18}$
$\frac{1}{8}$	$\frac{1}{24}$	$\frac{1}{10}$
$\frac{4}{39}$	$\frac{2}{39}$	$\frac{1}{30}$
$\frac{3}{28}$	$\frac{1}{28}$	$\frac{1}{12}$
$\frac{4}{5}$	$\frac{1}{5}$	$\frac{7}{10}$
$\frac{3}{7}$	$\frac{5}{21}$	$\frac{1}{10}$
$\frac{13}{32}$	$\frac{3}{32}$	$\frac{3}{2}$
$\frac{11}{35}$	$\frac{3}{35}$	$\frac{1}{6}$
$\frac{2}{7}$	$\frac{1}{21}$	$\frac{2}{3}$
$\frac{13}{56}$	$\frac{3}{56}$	$\frac{1}{6}$
$\frac{2}{9}$	$\frac{1}{36}$	$\frac{9}{8}$
$\frac{5}{27}$	$\frac{1}{27}$	$\frac{1}{8}$

## 第 2 页

$\frac{4}{25}$	$\frac{1}{25}$	$\frac{3}{8}$
$\frac{1}{6}$	$\frac{1}{66}$	$\frac{11}{15}$
$\frac{11}{72}$	$\frac{1}{72}$	$\frac{7}{15}$
$\frac{5}{39}$	$\frac{1}{39}$	$\frac{17}{21}$
$\frac{1}{8}$	$\frac{1}{56}$	$\frac{1}{3}$
$\frac{5}{12}$	$\frac{1}{12}$	$\frac{11}{24}$
$\frac{7}{20}$	$\frac{3}{20}$	$\frac{7}{24}$
$\frac{17}{20}$	$\frac{13}{20}$	$\frac{21}{20}$
$\frac{5}{18}$	$\frac{1}{18}$	$\frac{9}{20}$
$\frac{17}{24}$	$\frac{13}{24}$	$\frac{19}{24}$
$\frac{25}{24}$	$\frac{17}{24}$	$\frac{11}{24}$
$\frac{14}{15}$	$\frac{11}{15}$	$\frac{8}{5}$
$\frac{29}{40}$	$\frac{21}{40}$	$\frac{2}{5}$
$\frac{35}{36}$	$\frac{29}{36}$	$\frac{19}{17}$
$\frac{7}{30}$	$\frac{1}{30}$	$\frac{15}{17}$
$\frac{23}{24}$	$\frac{17}{24}$	$\frac{11}{6}$
$\frac{25}{36}$	$\frac{17}{36}$	$\frac{1}{6}$
$\frac{11}{42}$	$\frac{1}{6}$	$\frac{14}{11}$
$\frac{1}{3}$	$\frac{1}{10}$	$\frac{3}{10}$
$\frac{4}{9}$	$\frac{7}{15}$	$\frac{1}{5}$
$\frac{1}{5}$	$\frac{1}{2}$	$\frac{1}{24}$

## 第 3 页

$\frac{13}{35}$	$\frac{11}{10}$	$\frac{3}{8}$
$\frac{1}{8}$	$\frac{1}{7}$	$\frac{1}{6}$
$\frac{7}{40}$	$\frac{1}{4}$	$\frac{19}{24}$
$\frac{1}{10}$	$\frac{1}{9}$	$\frac{3}{10}$
$\frac{1}{8}$	$\frac{13}{18}$	$\frac{7}{30}$
0	0	$\frac{1}{4}$
$\frac{2}{5}$	$\frac{2}{5}$	$\frac{1}{4}$
1	1	$\frac{7}{12}$
$\frac{2}{7}$	$\frac{2}{7}$	$\frac{7}{12}$
$\frac{2}{9}$	$\frac{2}{9}$	$\frac{17}{24}$
$1\frac{2}{11}$	$1\frac{2}{11}$	$\frac{17}{24}$
0	0	$\frac{1}{2}$
$\frac{2}{3}$	$\frac{2}{3}$	$\frac{1}{2}$
$\frac{1}{2}$	$\frac{1}{2}$	$\frac{13}{20}$
$1\frac{1}{13}$	$1\frac{1}{13}$	$\frac{13}{20}$
1	1	$\frac{3}{4}$
$\frac{1}{7}$	$\frac{1}{7}$	$\frac{3}{4}$
1	1	$\frac{11}{14}$
$1\frac{1}{6}$	$\frac{2}{5}$	$1\frac{2}{3}$
$1\frac{1}{6}$	$\frac{2}{5}$	$\frac{1}{3}$
$1\frac{5}{6}$	$\frac{7}{10}$	$1\frac{7}{15}$

## 第 5 页

$1\frac{5}{6}$	$\frac{7}{10}$	$\frac{8}{15}$
$1\frac{6}{35}$	$\frac{11}{13}$	$1\frac{9}{100}$
$1\frac{6}{35}$	$\frac{11}{13}$	$\frac{91}{100}$
$1\frac{8}{23}$	$\frac{6}{7}$	$\frac{5}{8}$
$1\frac{8}{23}$	$\frac{6}{7}$	$\frac{3}{5}$
$1\frac{4}{9}$	$\frac{13}{17}$	$\frac{13}{15}$
$1\frac{4}{9}$	$\frac{13}{17}$	$\frac{5}{12}$
$1\frac{1}{3}$	$\frac{3}{7}$	$\frac{16}{23}$
$1\frac{1}{3}$	$\frac{3}{7}$	$1\frac{1}{6}$
$1\frac{3}{4}$	$\frac{3}{10}$	$\frac{6}{13}$
第 7 页		
1. 0.75	2. $\frac{6}{25}$	3. >
0.4	$\frac{9}{25}$	<
0.125	$\frac{4}{5}$	=
0.875	$\frac{12}{25}$	>
0.8	$\frac{3}{8}$	>
0.12	$\frac{3}{5}$	>
0.45	$\frac{14}{25}$	=
0.32	$\frac{4}{25}$	<
1.75	$\frac{9}{10}$	>
0.15	$\frac{5}{8}$	>
0.7	$\frac{1}{5}$	<
0.05	$\frac{1}{4}$	>

## 第 6 页





0.36  $\frac{19}{25} >$

第 8 页

$\frac{34}{35} \frac{2}{5} \frac{8}{35}$

$\frac{5}{12} \frac{5}{8} \frac{13}{24}$

$\frac{13}{36} \frac{2}{7} \frac{1}{3}$

$\frac{16}{21} 1\frac{4}{5} \frac{7}{30}$

$\frac{1}{18} 1\frac{3}{8} \frac{10}{33}$

$\frac{13}{20} \frac{3}{7} \frac{13}{24}$

$\frac{3}{28} 1 \frac{13}{100}$

$\frac{11}{24} \frac{1}{3} \frac{29}{63}$

$\frac{11}{10} 1 \frac{17}{48}$

$\frac{13}{45} \frac{2}{7} \frac{37}{24}$

$\frac{1}{6} \frac{3}{5} \frac{1}{2}$

$\frac{6}{7} \frac{1}{2} \frac{1}{4}$

$\frac{1}{4} \frac{7}{9} \frac{1}{6}$

第 9 页

$\frac{5}{6} \frac{15}{26} \frac{15}{44}$

$\frac{7}{12} \frac{8}{15} \frac{13}{40}$

$\frac{9}{20} \frac{12}{35} \frac{14}{45}$

$\frac{11}{30} \frac{16}{63} \frac{16}{55}$

$\frac{13}{42} \frac{20}{99} \frac{19}{78}$

$\frac{15}{56} \frac{9}{14} \frac{17}{70}$

$\frac{17}{72} \frac{11}{18} \frac{18}{77}$

$\frac{19}{90} \frac{13}{22} \frac{19}{84}$

$\frac{21}{110} \frac{10}{21} \frac{20}{91}$

$\frac{59}{870} \frac{11}{24} \frac{19}{88}$

$\frac{39}{380} \frac{13}{30} \frac{21}{104}$

$\frac{41}{420} \frac{11}{28} \frac{23}{126}$

$\frac{199}{9900} \frac{13}{36} \frac{27}{170}$

第 10 页

$\frac{1}{6} \frac{11}{26} \frac{7}{44}$

$\frac{1}{12} \frac{2}{15} \frac{3}{40}$

$\frac{1}{20} \frac{2}{35} \frac{4}{45}$

$\frac{1}{30} \frac{2}{63} \frac{6}{55}$

$\frac{1}{42} \frac{2}{99} \frac{7}{78}$

$\frac{1}{56} \frac{5}{14} \frac{3}{70}$

$\frac{1}{72} \frac{7}{18} \frac{4}{77}$

$\frac{1}{90} \frac{9}{22} \frac{5}{84}$

$\frac{1}{110} \frac{4}{21} \frac{6}{91}$

$\frac{1}{870} \frac{5}{24} \frac{3}{88}$

$\frac{1}{380} \frac{7}{30} \frac{5}{104}$

$\frac{1}{420} \frac{3}{28} \frac{5}{126}$

$\frac{1}{9900} \frac{5}{36} \frac{7}{170}$

第 11 页

$\frac{2}{3} \frac{1}{24} =$

$\frac{3}{8} \frac{1}{6} <$

$\frac{22}{15} 1\frac{1}{4} <$

$\frac{1}{2} 1\frac{7}{10} <$

$\frac{26}{35} \frac{1}{9} >$

$\frac{11}{40} \frac{1}{5} =$

$\frac{3}{4} \frac{5}{12} =$

$\frac{5}{9} 2\frac{4}{11} <$

$\frac{11}{12} \frac{4}{9} <$

$\frac{13}{40} \frac{1}{2} >$

$\frac{17}{20} 1\frac{7}{8} >$

$\frac{13}{24} 2\frac{1}{4} <$

$\frac{17}{36} \frac{4}{5} =$

第 12 页

44 72 10

40 96 5

72 48 5

60 30 9

64 84 10

240 60 9

68 240 14

60 180 5

80 108 8

100 36 4

108 54 6

144 144 7

80 66 9

44 132 10

208 360 20

第 13 页

15 96 60

18 150 16

36 384 9

96 216 25

19.2 0.24 1.25

360 1.5 3.2

5400 0.54 1.8

160 294 54

0.8 2400 1.6

21 13.5 2.16

18 486 4500

154 0.06 0.96

240 5400 19

120 300 120

0.6 24 36

第 14 页

2400 14 150

0.2 0.54 64

128 0.64 125

180 5400 7.2

0.72 0.06 96

1600 0.42 1800

1.5 0.8 60

9 2000 84

300 40 1.4

100 28 8

486 50 600

25 18 98

0.96 660 18

24 216 54

78 32 66

第 15 页

48 125 36

108 180 72

0.12 0.8 50

75 4.05 2.94

54 8000 12000

126 0.45 200

192 300 14400

300 1280 70000

1.47 720 6500

48 160 15000

1.2 120 450

60 100 2800

90 64 3500

0.45 60 100

21 500 7200

第 16 页

300 15 236

600 9 10.2

240 40 94

400 50 48

260 16.2 16

144 32 48

3200 11.2 1.8





2000 36 9  
2000 0.18 52  
1600 0.09 54  
5200 0.1 160  
800 0.06 30  
35 60 144  
54 2.5 30  
5000 100 140

第 17 页

540 700 1.5  
720 225 60000  
3 120 2  
90 54 50  
3.6 162 0.81  
1.5 2.7 80  
42 0.5 49  
64 2.1 36  
2.4 0.13 124  
9 0.08 58  
1.92 0.7 82  
243 25 166  
363 900 52  
196 135 88  
320 1280 100

第 18 页

$\frac{8}{7}$   $\frac{20}{3}$  12  
 $\frac{15}{8}$   $\frac{14}{3}$   $\frac{49}{6}$   
 $\frac{6}{5}$   $\frac{9}{2}$   $\frac{16}{3}$   
 $\frac{14}{3}$   $\frac{20}{3}$  90  
5  $\frac{9}{4}$  10  
 $\frac{3}{2}$  12  $\frac{18}{13}$   
 $\frac{35}{12}$   $\frac{25}{14}$   $\frac{35}{6}$   
21 28  $\frac{33}{5}$   
7  $\frac{20}{3}$  21

$\frac{15}{2}$   $\frac{21}{2}$   $\frac{15}{13}$   
6  $\frac{25}{4}$  20  
 $\frac{10}{7}$  8  $\frac{6}{5}$   
 $\frac{9}{11}$  10 6

第 19 页

2 6 10  
2  $\frac{6}{7}$   $\frac{5}{3}$   
4 2  $\frac{6}{7}$   
 $\frac{3}{4}$   $\frac{9}{2}$  6  
 $\frac{15}{4}$   $\frac{5}{2}$   $\frac{15}{2}$   
 $\frac{35}{3}$   $\frac{12}{5}$  9  
14  $\frac{25}{3}$   $\frac{20}{3}$   
 $\frac{35}{2}$  18 3  
12  $\frac{35}{3}$  9  
 $\frac{21}{2}$  18  $\frac{9}{13}$   
 $\frac{28}{3}$   $\frac{2}{3}$   $\frac{15}{2}$

第 20 页

6 20  $\frac{2}{3}$   
3 14 6  
 $\frac{1}{6}$   $\frac{2}{3}$   $\frac{1}{5}$   
 $\frac{3}{20}$   $\frac{2}{11}$   $\frac{4}{7}$   
 $\frac{9}{20}$   $\frac{4}{15}$   $\frac{1}{8}$   
 $\frac{1}{4}$   $\frac{5}{8}$   $\frac{1}{7}$   
 $\frac{1}{2}$   $\frac{2}{3}$   $\frac{2}{7}$   
 $\frac{1}{3}$   $\frac{1}{10}$   $\frac{1}{10}$   
 $\frac{5}{13}$   $\frac{5}{16}$   $\frac{3}{16}$

$\frac{1}{18}$   $\frac{3}{8}$  2  
 $\frac{7}{12}$   $\frac{4}{7}$   $\frac{1}{2}$   
 $\frac{1}{3}$   $\frac{1}{8}$   $\frac{3}{5}$   
 $\frac{2}{7}$   $\frac{5}{27}$   $\frac{1}{6}$   
 $\frac{1}{2}$   $\frac{3}{25}$   $\frac{5}{33}$   
 $\frac{3}{14}$   $\frac{1}{4}$   $\frac{4}{19}$

第 21 页

< > <  
< > >  
< > >  
< > =  
< > <  
< > >  
< > <  
< > =  
< > >  
< > <  
< > <  
< > <  
< > <

第 22 页

$\frac{12}{5}$  12  $\frac{2}{3}$   
10  $\frac{8}{3}$   $\frac{15}{4}$   
 $\frac{2}{9}$   $\frac{1}{12}$   $\frac{27}{4}$   
12  $\frac{26}{3}$   $\frac{1}{9}$   
30  $\frac{12}{5}$  8  
 $\frac{4}{5}$   $\frac{3}{14}$   $\frac{35}{6}$   
 $\frac{7}{2}$   $\frac{13}{2}$   $\frac{1}{4}$   
 $\frac{28}{3}$   $\frac{3}{14}$  112  
96 80 45  
 $\frac{1}{2}$   $\frac{3}{8}$   $\frac{6}{5}$

14  $\frac{7}{2}$   $\frac{25}{2}$   
 $\frac{3}{32}$   $\frac{5}{11}$   $\frac{1}{5}$   
 $\frac{5}{14}$  4  $\frac{2}{27}$

第 23 页

1  $\frac{16}{7}$   $\frac{2}{15}$   
1 2  $\frac{5}{4}$   
1  $\frac{6}{13}$  2  
1  $\frac{120}{7}$   $\frac{3}{8}$   
1  $\frac{1}{4}$   $\frac{6}{5}$   
1  $\frac{1}{100}$   $\frac{20}{9}$   
1  $\frac{5}{2}$   $\frac{5}{8}$   
1  $\frac{7}{8}$   $\frac{1}{18}$   
1  $\frac{1}{15}$   $\frac{10}{7}$   
1  $\frac{4}{3}$   $\frac{1}{9}$   
1  $\frac{1}{20}$   $\frac{9}{2}$   
1  $\frac{5}{3}$   $\frac{11}{3}$   
1  $\frac{20}{9}$   $\frac{1}{37}$

第 24 页

$\frac{17}{5}$   $\frac{13}{7}$  <  
 $\frac{16}{7}$   $\frac{1}{3}$  <  
 $\frac{20}{7}$   $\frac{2}{9}$  =  
 $\frac{5}{4}$   $\frac{12}{7}$  =  
 $\frac{1}{15}$   $\frac{5}{16}$  =  
 $\frac{4}{7}$   $\frac{24}{17}$  =  
 $\frac{32}{15}$   $\frac{13}{14}$  =  
 $\frac{5}{9}$   $\frac{10}{9}$  <



$$\frac{1}{5} \quad \frac{1}{7} \quad =$$

$$\frac{18}{13} \quad \frac{6}{5} \quad =$$

$$\frac{11}{5} \quad 2 \quad <$$

$$\frac{15}{14} \quad \frac{1}{12} \quad =$$

$$\frac{9}{10} \quad \frac{5}{7} \quad <$$

第 25 页

$$\frac{4}{3} \quad \frac{7}{5} \quad <$$

$$\frac{24}{35} \quad 60 \quad >$$

$$16 \quad \frac{5}{6} \quad =$$

$$\frac{1}{4} \quad \frac{11}{12} \quad =$$

$$\frac{13}{6} \quad 35 \quad =$$

$$\frac{2}{63} \quad \frac{1}{3} \quad <$$

$$\frac{11}{36} \quad 1100 \quad =$$

$$\frac{1}{6} \quad 160 \quad =$$

$$\frac{5}{39} \quad 160 \quad <$$

$$1 \quad 250 \quad >$$

$$\frac{5}{3} \quad \frac{1}{42} \quad <$$

$$\frac{2}{21} \quad \frac{5}{8} \quad >$$

$$\frac{1}{2} \quad \frac{3}{14} \quad >$$

第 26 页

$$2 \quad \frac{13}{36} \quad <$$

$$\frac{3}{56} \quad \frac{13}{33} \quad =$$

$$1 \quad 1 \quad <$$

$$28 \quad \frac{1}{21} \quad >$$

$$\frac{1}{6} \quad \frac{21}{2} \quad <$$

$$10 \quad \frac{1}{21} \quad =$$

$$\frac{16}{25} \quad \frac{1}{3} \quad =$$

$$\frac{7}{8} \quad 0 \quad >$$

$$\frac{29}{40} \quad 10 \quad >$$

$$\frac{13}{3} \quad \frac{6}{13} \quad <$$

$$\frac{1}{6} \quad \frac{3}{2} \quad >$$

$$\frac{7}{16} \quad \frac{26}{35} \quad =$$

$$\frac{1}{6} \quad \frac{3}{16} \quad >$$

第 27 页

$$\frac{3}{5} \quad 45 \quad \frac{1}{4}$$

$$\frac{1}{6} \quad \frac{1}{2} \quad \frac{1}{6}$$

$$\frac{1}{8} \quad \frac{7}{9} \quad \frac{14}{3}$$

$$\frac{1}{4} \quad \frac{3}{14} \quad \frac{1}{36}$$

$$10 \quad 90 \quad \frac{1}{9}$$

$$14 \quad \frac{3}{26} \quad \frac{51}{2}$$

$$\frac{1}{16} \quad 480 \quad 150$$

$$\frac{3}{10} \quad \frac{10}{63} \quad 120$$

$$\frac{3}{7} \quad 105 \quad 350$$

$$490 \quad 500 \quad 360$$

$$60 \quad 9 \quad 20$$

$$\frac{1}{9} \quad \frac{29}{34} \quad 35$$

$$\frac{1}{4} \quad \frac{1}{14} \quad 7$$

第 28 页

$$12 \quad \frac{3}{16} \quad \frac{1}{10}$$

$$10 \quad \frac{9}{2} \quad \frac{2}{21}$$

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

$$30 \quad \frac{1}{8} \quad \frac{1}{2}$$

$$1 \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{5}{2}$$

$$\frac{1}{15} \quad 8 \quad \frac{1}{8}$$

$$\frac{1}{3} \quad \frac{5}{21} \quad 56$$

$$6 \quad \frac{2}{15} \quad 18$$

$$6 \quad \frac{1}{6} \quad \frac{3}{28}$$

$$8 \quad 15 \quad \frac{2}{5}$$

$$\frac{9}{10} \quad 10 \quad \frac{1}{6}$$

$$\frac{7}{10} \quad 9 \quad \frac{11}{72}$$

$$\frac{3}{14} \quad \frac{5}{2} \quad \frac{18}{35}$$

第 29 页

$$60 \quad 216 \quad 84$$

$$300 \quad 343 \quad 208$$

$$9000 \quad 512 \quad 1000000$$

$$240 \quad 729 \quad 240$$

$$30 \quad 0.008 \quad 180$$

$$140 \quad 1000 \quad 4500$$

$$24 \quad 0.027 \quad 100$$

$$80 \quad 8000 \quad 1080$$

$$320 \quad 125000 \quad 17000$$

$$280 \quad 0.064 \quad 2160$$

$$4800 \quad 27000 \quad 52$$

$$900 \quad 0.001 \quad 120$$

$$2400 \quad 64000 \quad 49$$

$$600 \quad 125 \quad 36$$

$$29 \quad 216000 \quad 360$$

第 30 页

$$2 \quad 5 \quad 2.5$$

$$1.5 \quad 5 \quad 5$$

$$1.6 \quad 2.1 \quad 96$$

$$12 \quad 4 \quad 7.5$$

$$2 \quad 2.5 \quad 2$$

$$5 \quad 2.5 \quad 3$$

$$9.5 \quad 15 \quad 3$$

$$2 \quad 3 \quad 20$$

$$1.25 \quad 2 \quad 1$$

$$1.5 \quad 2.2 \quad 5$$

第 31 页

$$4500 \quad 14800 \quad 1500000$$

$$2050 \quad 3680 \quad 0.6$$

$$0.15 \quad 0.48 \quad 6.5$$

$$3.5 \quad 8.6 \quad 2.3$$

$$2800 \quad 6900 \quad 7 \quad 50$$

$$70000 \quad 0.38 \quad 8 \quad 500$$

$$350 \quad 6070 \quad 4 \quad 500$$

$$4.5 \quad 860 \quad 50.05$$

$$7830 \quad 14.6 \quad 7.6$$

$$0.42 \quad 3500 \quad 5400$$

$$1.2 \quad 0.0056 \quad 7 \quad 2$$

$$0.036 \quad 0.36 \quad 4 \quad 200$$

$$0.72 \quad 800 \quad 4 \quad 50$$

$$5200 \quad 700 \quad 8.3$$

$$0.6 \quad 0.5 \quad 9150$$

第 32 页

$$360 \quad 180 \quad 1200$$

$$240 \quad 120 \quad 2.4$$

$$64 \quad 210 \quad 8000$$

$$720 \quad 90 \quad 480$$

$$120 \quad 300 \quad 108$$

$$108 \quad 180 \quad 400$$