

计算超市



计算能力是数学的一项基本能力，是学好数学和其他学科的重要基础。在各种数学考试中，计算所占的比重很大，很多问题的解题思路、步骤、结果都需要通过计算来落实，可以说计算能力直接影响学生的成绩，计算的速度与准确率决定了成绩的高低与稳定性。

“天下武功，唯快不破！”计算同样追求一个“快”字！计算速度的提升，能大大缩短解题时间，考试时分秒必争，多一点时间就比别人多一分优势，就有机会取得更好的成绩！

当然，只求“快”是万万不够的，我们的终极目标当然是“准”！算得飞快却算错了，结果也是零！唯有又快又准，才能问鼎计算的高峰！

回想这些年你做错过的计算题，为什么错呢？大量的回答可以归结为两点：

1. 粗心！粗心！太粗心了！

抄错数、看串行、忘了进退位、点错了小数点……明明会算的偏偏算错，根本原因在于——注意力不集中！关于专注力的训练网上有很多经验贴，这里推荐“舒尔特表”，“舒尔特表”可以通过动态的练习锻炼视神经末梢，培养注意力的集中、分配、控制能力。

2. 基本功不扎实呗！

说白了，就是没能很好的掌握计算方法和技巧！乘法竖式怎么列？积与商怎么对位？四则混合运算先算什么后算什么？方程到底怎么解？特别是学习了分数计算，需要学会的方法和技巧就更多了！

计算方法，也是计算的基本功。除了在学习之初就要理解透彻之外，还要坚持不断的练习与巩固，一是避免遗忘，二是增加熟练度，俗话说“熟能生巧”，练得多了，方法自然就领悟了。

计算技巧，指的就是我们在课堂上学习过的各种巧算技巧。复杂的计算题，通过巧算可以变得无比简单，不仅降低了计算量，提高了准确率，还能提高计算速度，可谓一举多得！

计算能力的提高没有捷径，只有不断的练习和积累，那么去哪儿练呢？让我们一起翻开这本资料，在《计算小超市》中开始我们的计算之旅吧！

练习 1

1 分数基础

$$(15, 65) =$$

$$(16, 84) =$$

$$(13, 52) =$$

$$(12, 74) =$$

$$(12, 66) =$$

$$(35, 75) =$$

2 分数加减

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

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

$$\frac{8}{9} + \frac{4}{9} =$$

$$\frac{8}{65} + \frac{12}{65} =$$

$$\frac{13}{18} + \frac{17}{18} =$$

$$\frac{23}{77} + \frac{12}{77} =$$

$$\frac{3}{23} + \frac{12}{23} =$$

$$\frac{4}{57} + \frac{5}{57} =$$

$$\frac{13}{125} + \frac{72}{125} =$$

3 四则运算

$$876 - 66 \times 4 \div 3$$

$$5.65 \times 7.3 + 2.7 \times 5.65$$

练习 2



分数基础

$$(24, 36) =$$

$$(12, 30) =$$

$$(39, 78) =$$

$$(72, 84) =$$

$$(45, 60) =$$

$$(45, 75) =$$



分数加减

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

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

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

$$\frac{17}{88} + \frac{27}{88} =$$

$$\frac{13}{17} + \frac{2}{17} =$$

$$\frac{13}{128} + \frac{57}{128} =$$

$$\frac{4}{17} + \frac{13}{17} =$$

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

$$\frac{12}{175} + \frac{23}{175} =$$



四则运算

$$5.85 \div (1.3 + 0.5) \times 6$$

$$98.5 \times 2 \div 2.5 \div 4$$

练习 3

1 分数基础

$$(25,30)=$$

$$(24,30)=$$

$$(12,14)=$$

$$(60,84)=$$

$$(126,60)=$$

$$(60,85)=$$

2 分数加减

$$\frac{13}{53} + \frac{18}{53} =$$

$$\frac{8}{27} + \frac{4}{27} =$$

$$\frac{8}{19} + 7 =$$

$$\frac{8}{99} + \frac{25}{99} =$$

$$\frac{3}{18} + \frac{7}{18} =$$

$$\frac{13}{71} + \frac{25}{71} =$$

$$\frac{8}{29} + \frac{16}{29} =$$

$$\frac{4}{91} + \frac{15}{91} =$$

$$\frac{13}{232} + \frac{27}{232} =$$

3 四则运算

$$3.75 \times 66 - 34 \times 3.75$$

$$(1.48 + 3.02) \div (3.6 \times 0.5)$$

练习 4

1 分数基础

$$(86, 30) =$$

$$(84, 36) =$$

$$(72, 34) =$$

$$(80, 64) =$$

$$(66, 60) =$$

$$(90, 55) =$$

2 分数加减

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

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

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

$$\frac{6}{17} - \frac{2}{17} =$$

$$\frac{11}{26} - \frac{1}{26} =$$

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

$$\frac{14}{23} - \frac{8}{23} =$$

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

$$\frac{16}{25} - \frac{1}{25} =$$

3 四则运算

$$12.54 - 4.56 - 3.44 - 1.54$$

$$3.25 \times 0.45 + 6.75 \times 0.45$$

练习 5

1 分数基础

$$(5,13)=$$

$$(4,30)=$$

$$(21,42)=$$

$$(120,86)=$$

$$(78,80)=$$

$$(90,88)=$$

2 分数加减

$$\frac{4}{15} - \frac{1}{15} =$$

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

$$\frac{7}{9} - \frac{4}{9} =$$

$$\frac{18}{65} - \frac{13}{65} =$$

$$\frac{17}{58} - \frac{13}{58} =$$

$$\frac{23}{38} - \frac{13}{38} =$$

$$\frac{12}{17} - \frac{10}{17} =$$

$$\frac{15}{57} - \frac{15}{57} =$$

$$\frac{13}{20} - \frac{3}{20} =$$

3 四则运算

$$18.2 - 10.6 \times (0.9 - 0.75)$$

$$5.5 \times 17.3 + 6.7 \times 5.5$$

练习 6

1 分数基础

$$(9,63)=$$

$$(13,5)=$$

$$(5,20)=$$

$$(18,81)=$$

$$(72,96)=$$

$$(88,56)=$$

2 分数加减

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

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

$$3-\frac{4}{9}=$$

$$\frac{27}{88}-\frac{17}{88}=$$

$$\frac{13}{20}-\frac{1}{20}=$$

$$\frac{77}{128}-\frac{13}{128}=$$

$$\frac{14}{23}-\frac{13}{23}=$$

$$\frac{13}{15}-\frac{8}{15}=$$

$$\frac{32}{65}-\frac{19}{65}=$$

3 四则运算

$$2.5 \times (1.9 + 1.9 + 1.9 + 1.9)$$

$$0.8 \times (4 - 3.68) \div 0.01$$



分数基础

$(31,3)=$

$(72,81)=$

$(15,50)=$

$(12,76)=$

$(33,66)=$

$(38,95)=$



分数加减

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

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

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

$8\frac{3}{65}+\frac{12}{65}=$

$8\frac{11}{28}+5\frac{3}{28}=$

$2\frac{23}{77}+1\frac{12}{77}=$

$2\frac{3}{25}+8\frac{12}{25}=$

$1\frac{4}{57}+\frac{15}{57}=$

$1\frac{13}{125}+5\frac{72}{125}=$



四则运算

$1.258 \times 18.5 - 0.258 \times 18.5$

$17.17 - 6.8 - 3.2 - 6.17$

练习 8

1 分数基础

$$(5,35)=$$

$$(15,55)=$$

$$(19,38)=$$

$$(88,24)=$$

$$(98,60)=$$

$$(39,13)=$$

2 分数加减

$$5\frac{17}{36}-3\frac{13}{36}=$$

$$8\frac{5}{9}-2\frac{2}{9}=$$

$$9\frac{38}{49}-4\frac{24}{49}=$$

$$8\frac{25}{58}-5\frac{15}{58}=$$

$$9\frac{11}{19}-5\frac{2}{19}=$$

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

$$9\frac{23}{37}-5\frac{12}{37}=$$

$$5\frac{25}{57}-\frac{23}{57}=$$

$$5\frac{56}{121}-2\frac{45}{121}=$$

3 四则运算

$$0.9+9.9+99.9+999.9$$

$$2.74\times 9.5+5\times 0.274$$

1 分数基础

$(7,10)=$

$(13,26)=$

$(18,27)=$

$(30,50)=$

$(12,60)=$

$(50,55)=$

2 分数加减

$41\frac{2}{5}-33\frac{4}{5}=$

$17\frac{7}{9}+21\frac{8}{9}=$

$\frac{13}{34}+5\frac{27}{34}=$

$32\frac{1}{18}-12\frac{11}{18}=$

$42\frac{23}{60}-8\frac{47}{60}=$

$14\frac{3}{10}-6\frac{9}{10}=$

$32\frac{4}{7}+105\frac{3}{7}=$

$38\frac{11}{15}+11\frac{7}{15}=$

$7\frac{5}{14}+\frac{13}{14}=$

3 四则运算

$17.68 \div 5.2 + 2.7 \times 1.5$

$5.8 \times 2.7 + 0.58 \times 73$

练习 10

1 分数基础

$$(14,21)=$$

$$(10,30)=$$

$$(10,12)=$$

$$(120,80)=$$

$$(77,42)=$$

$$(12,84)=$$

2 分数加减

$$13\frac{2}{5}+79\frac{2}{5}=$$

$$24\frac{9}{35}+7\frac{12}{35}=$$

$$13\frac{19}{40}+66\frac{37}{40}=$$

$$8\frac{6}{37}-\frac{12}{37}=$$

$$98\frac{1}{12}-9\frac{5}{12}=$$

$$13\frac{3}{8}-1\frac{5}{8}=$$

$$34\frac{5}{34}+2\frac{11}{34}=$$

$$41\frac{7}{11}+12\frac{10}{11}=$$

$$54\frac{23}{45}+54\frac{32}{45}=$$

3 四则运算

$$12.5 \times 0.76 \times 0.4 \times 8 \times 2.5$$

$$9.12 + 9.12 \times 9 - 60.2$$

1 分数基础

$$[15, 65] =$$

$$[14, 84] =$$

$$[12, 60] =$$

$$[12, 72] =$$

$$[66, 60] =$$

$$[30, 75] =$$

2 分数加减

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

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

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

$$\frac{5}{8} + \frac{1}{4} =$$

$$\frac{5}{13} + \frac{7}{13} =$$

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

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

$$\frac{6}{7} - \frac{5}{14} =$$

$$\frac{6}{11} - \frac{3}{22} =$$

3 四则运算

$$4.38 - 1.56 + 0.62 - 0.44$$

$$6.4 \times 14 + 15 \times 6.4 + 6.4$$

练习 12

1 分数基础

$$[26,36]=$$

$$[15,30]=$$

$$[39,78]=$$

$$[72,96]=$$

$$[15,90]=$$

$$[15,25]=$$

2 分数加减

$$\frac{7}{15} - \frac{2}{5} =$$

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

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

$$\frac{5}{7} - \frac{3}{14} =$$

$$\frac{8}{13} - \frac{7}{26} =$$

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

$$\frac{3}{4} + \frac{5}{12} =$$

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

$$\frac{3}{8} + \frac{5}{12} =$$

3 四则运算

$$2.15 + 8.73 + 1.27 + 7.85$$

$$5.5 \times 17.3 + 6.7 \times 5.5$$

1 分数基础

$$[25, 35] =$$

$$[24, 36] =$$

$$[12, 24] =$$

$$[88, 44] =$$

$$[26, 39] =$$

$$[60, 85] =$$

2 分数加减

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

$$\frac{5}{7} - \frac{9}{14} =$$

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

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

$$\frac{5}{14} + \frac{2}{7} =$$

$$\frac{4}{13} + \frac{5}{8} =$$

$$\frac{3}{14} + \frac{2}{5} =$$

$$\frac{6}{11} + \frac{5}{14} =$$

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

3 四则运算

$$8 \times 16 - 3.8 \times 6$$

$$(1.48 \div 3.7 + 9.6) \div 8$$

练习 14



分数基础

$$[7,13]=$$

$$[13,52]=$$

$$[18,27]=$$

$$[35,50]=$$

$$[12,120]=$$

$$[55,20]=$$



分数加减

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

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

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

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

$$\frac{6}{7} - \frac{9}{14} =$$

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

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

$$\frac{2}{7} + \frac{3}{8} =$$

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



四则运算

$$2.3 + 3.91 \div (22 - 19.7)$$

$$93.6 \times 3.6 + 1.4 \times 3.6$$

1 分数基础

$$[7, 14] =$$

$$[15, 300] =$$

$$[22, 24] =$$

$$[12, 36] =$$

$$[42, 49] =$$

$$[13, 78] =$$

2 分数加减

$$\frac{4}{7} - \frac{5}{9} =$$

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

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

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

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

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

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

$$\frac{6}{7} + \frac{2}{5} =$$

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

3 四则运算

$$0.82 \times 0.25 + 1.18 \times 0.25$$

$$3.91 \times 2.8 + 6.09 \times 2.8$$

练习 16

1 分数基础

$[8, 22] =$

$[14, 42] =$

$[6, 24] =$

$[45, 25] =$

$[15, 18] =$

$[100, 40] =$

2 分数加减

$\frac{6}{7} + \frac{2}{5} =$

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

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

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

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

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

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

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

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

3 四则运算

$(44.5 - 12 \times 0.3) - 14.9$

$18 \times 2.6 \div 13 + 8 \times 2.1$

1 分数基础

$$[60, 70] =$$

$$[31, 6] =$$

$$[30, 75] =$$

$$[22, 66] =$$

$$[65, 26] =$$

$$[54, 36] =$$

2 分数加减

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

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

$$\frac{7}{8} + \frac{5}{9} =$$

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

$$\frac{5}{8} - \frac{1}{4} =$$

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

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

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

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

3 四则运算

$$(820 - 24 \times 25) \div 1.1 + 2.2$$

$$700 - 6.77 \times (3.5 \times 18 + 37)$$

练习 18

1 分数基础

$[14, 15] =$

$[34, 51] =$

$[31, 12] =$

$[24, 28] =$

$[18, 21] =$

$[45, 60] =$

2 分数加减

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

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

$\frac{2}{7} + \frac{5}{11} =$

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

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

$\frac{6}{7} - \frac{4}{9} =$

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

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

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

3 四则运算

$45 \times 3.2 + 45 + 4.5 \times 58$

$48 \times 2.5 - 15 \times (9 - 3.6)$

1 分数基础

$[12, 48] =$

$[44, 77] =$

$[5, 6, 18] =$

$[38, 133] =$

$[42, 24] =$

$[6, 8, 14] =$

2 分数加减

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

$\frac{8}{11} - \frac{3}{7} =$

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

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

$\frac{5}{8} + \frac{4}{9} =$

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

$\frac{5}{8} - \frac{2}{7} =$

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

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

3 四则运算

$610 + [(39 - 15) \times 28 - 423]$

$[49 - (53 + 102) \div 5] \times 22 - 239$

练习 20

1 分数基础

$[75, 55] =$

$[64, 48] =$

$[9, 15, 20] =$

$[84, 105] =$

$[16, 76] =$

$[16, 24, 36] =$

2 分数加减

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

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

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

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

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

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

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

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

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

3 四则运算

$24 \times 12.5 \times 13 \times 1.6$

$22.5 \div (5 \times 9) \times 4 + 7.5$

1 分数基础

将下列带分数化成假分数：

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

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

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

$$15\frac{7}{8} =$$

$$21\frac{1}{6} =$$

$$26\frac{2}{3} =$$

2 分数加减

$$2\frac{4}{7} - \frac{5}{9} =$$

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

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

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

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

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

$$\frac{3}{5} + 2\frac{1}{4} =$$

$$2\frac{6}{7} + \frac{2}{5} =$$

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

+ 四则运算

$$343 - [(59 - 42) \times 9 + 33]$$

$$[104 - (193 + 38) \div 3] \div 0.5 + 6$$

练习 22

1 分数基础

将下列假分数化成带分数：

$$\frac{19}{7} =$$

$$\frac{78}{5} =$$

$$\frac{92}{15} =$$

$$\frac{23}{2} =$$

$$\frac{37}{14} =$$

$$\frac{56}{3} =$$

2 分数加减

$$2\frac{6}{7} + \frac{2}{5} =$$

$$\frac{3}{4} + 1\frac{5}{6} =$$

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

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

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

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

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

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

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

3 四则运算

$$54 + 99 \times 99 + 45$$

$$[(12 \times 79 - 57 \times 9) \div 5 + 13] \div (6.3 + 3.7)$$

1 分数基础

将下列带分数化成假分数：

$$7\frac{4}{9} =$$

$$10\frac{7}{19} =$$

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

$$8\frac{1}{16} =$$

$$20\frac{8}{11} =$$

$$99\frac{5}{7} =$$

2 分数加减

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

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

$$2\frac{7}{8} + \frac{5}{9} =$$

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

$$2\frac{1}{4} - \frac{5}{8} =$$

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

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

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

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

3 四则运算

$$159 + 107 \times 78 - 67 \times 8$$

$$(360 - 5 \times 108 \div 9) \div 15 + 63.2$$

练习 24

1 分数基础

将下列假分数化成带分数：

$$\frac{30}{13} =$$

$$\frac{43}{8} =$$

$$\frac{65}{12} =$$

$$\frac{112}{37} =$$

$$\frac{249}{10} =$$

$$\frac{76}{5} =$$

2 分数加减

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

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

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

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

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

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

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

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

$$2\frac{9}{13} - 1\frac{2}{3} =$$

四则运算

$$92.8 - 11.6 - 25 - (28 - 7.6)$$

$$123 - (58 \times 66 \div 33 + 92) \times 0.45$$

1 分数基础

将下列带分数化成假分数：

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

$$3\frac{6}{17} =$$

$$4\frac{17}{25} =$$

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

$$27\frac{5}{23} =$$

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

2 分数加减

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

$$1\frac{3}{4} + 2\frac{2}{5} =$$

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

$$2\frac{1}{4} - 1\frac{2}{5} =$$

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

$$3\frac{1}{6} - 3\frac{2}{13} =$$

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

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

$$2\frac{3}{7} + 1\frac{3}{4} =$$

3 四则运算

$$40.5 + 39.8 + 40.3 + 39.9 + 40.1$$

$$66 \div [(26 - 19) \times 42 \div 49]$$

练习 26

1 分数基础

将下列假分数化成带分数：

$$\frac{89}{9} =$$

$$\frac{17}{5} =$$

$$\frac{127}{3} =$$

$$\frac{141}{45} =$$

$$\frac{97}{24} =$$

$$\frac{360}{11} =$$

2 分数加减

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

$$3\frac{1}{2} - 1\frac{5}{8} =$$

$$3\frac{6}{7} - 2\frac{3}{5} =$$

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

$$2\frac{4}{7} + 1\frac{5}{8} =$$

$$2\frac{3}{8} + \frac{5}{4} =$$

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

$$3\frac{5}{6} - 2\frac{5}{7} =$$

$$2\frac{5}{7} + 1\frac{3}{8} =$$

3 四则运算

$$0.098 \times 32 \times (25 \times 125)$$

$$[240 - (603 + 72) \div 5] \div 3 + 42$$

1 分数基础

假分数与带分数互化：

$$\frac{45}{13} =$$

$$\frac{217}{30} =$$

$$\frac{58}{17} =$$

$$4\frac{3}{11} =$$

$$7\frac{11}{15} =$$

$$13\frac{5}{6} =$$

2 分数加减

$$3\frac{3}{8} + 2\frac{4}{5} =$$

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

$$2\frac{3}{8} - 1\frac{5}{7} =$$

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

$$\frac{12}{5} - 1\frac{2}{7} =$$

$$3\frac{3}{4} + 2\frac{5}{6} =$$

$$3\frac{5}{8} + 2\frac{3}{4} =$$

$$1\frac{5}{8} + 2\frac{4}{5} =$$

$$3\frac{3}{4} - 2\frac{5}{8} =$$

3 四则运算

$$67 \times 1.2 + 6.7 \times 35 + 67 \times 5.2 + 6.7$$

$$11 \times [2.1 \times (66 + 15) \div 9] - 5.9$$

练习 28

1 分数基础

假分数与带分数互化:

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

$$\frac{273}{40} =$$

$$\frac{157}{12} =$$

$$45\frac{2}{9} =$$

$$60\frac{1}{5} =$$

$$15\frac{5}{11} =$$

2 分数加减

$$2\frac{6}{7} - 2\frac{4}{5} =$$

$$3\frac{3}{8} - 2\frac{2}{9} =$$

$$3\frac{3}{4} + 1\frac{5}{8} =$$

$$2\frac{3}{7} + 1\frac{4}{9} =$$

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

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

$$\frac{13}{2} - 1\frac{5}{8} =$$

$$3\frac{6}{7} - 2\frac{5}{11} =$$

$$2\frac{3}{5} + 1\frac{4}{7} =$$

3 四则运算

$$3.8 + 5.55 + 6.2 + 14.45 + 5$$

$$[107 - (39 + 78) \div 3] \times 25$$

1 分数基础

假分数与带分数互化:

$$\frac{17}{8} =$$

$$\frac{264}{13} =$$

$$\frac{213}{5} =$$

$$6\frac{2}{17} =$$

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

$$8\frac{2}{21} =$$

2 分数加减

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

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

$$4\frac{5}{8} - 3\frac{1}{3} =$$

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

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

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

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

$$2\frac{3}{8} + 2\frac{1}{3} =$$

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

+ 四则运算

$$(10 \times 44 \div 22 + 11) \times 30$$

$$15 \times 66 \div 3 + (6.9 + 3.4)$$

练习 30

1 分数基础

假分数与带分数互化:

$$\frac{236}{25} =$$

$$\frac{73}{17} =$$

$$\frac{107}{6} =$$

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

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

$$30\frac{17}{30} =$$

2 分数加减

$$2\frac{8}{9} - 2\frac{2}{3} =$$

$$1\frac{2}{7} + 1\frac{5}{14} =$$

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

$$3\frac{2}{5} - 3\frac{4}{15} =$$

$$2\frac{3}{7} - 1\frac{1}{4} =$$

$$3\frac{2}{3} + 1\frac{5}{9} =$$

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

$$4\frac{5}{6} - 3\frac{7}{12} =$$

$$3\frac{5}{9} - 2\frac{6}{7} =$$

3 四则运算

$$(200 - 96.3 \div 9) \times 40 + 99$$

$$510 \div [(69 - 25) \times 5 \div 11]$$

参考答案

练习 1:

5	4	13
2	6	5
$\frac{4}{5}$	$\frac{5}{7}$	$\frac{4}{3}$
$\frac{4}{13}$	$\frac{5}{3}$	$\frac{5}{11}$
$\frac{15}{23}$	$\frac{3}{19}$	$\frac{17}{25}$
788	56.5	

练习 4:

2	12	2
16	6	5
$\frac{1}{3}$	$\frac{1}{2}$	$\frac{1}{5}$
$\frac{4}{17}$	$\frac{5}{13}$	$\frac{7}{11}$
$\frac{6}{23}$	$\frac{3}{10}$	$\frac{3}{5}$
3	4.5	

练习 2:

12	6	39
12	15	15
$\frac{4}{7}$	1	$5\frac{4}{9}$
$\frac{1}{2}$	$\frac{15}{17}$	$\frac{35}{64}$
1	$\frac{14}{15}$	$\frac{1}{5}$
19.5	19.7	

练习 5:

1	2	21
2	2	2
$\frac{1}{5}$	$\frac{3}{7}$	$\frac{1}{3}$
$\frac{1}{13}$	$\frac{2}{29}$	$\frac{5}{19}$
$\frac{2}{17}$	0	$\frac{1}{2}$
16.61	132	

练习 3:

5	6	2
12	6	5
$\frac{31}{53}$	$\frac{4}{9}$	$7\frac{8}{19}$
$\frac{1}{3}$	$\frac{5}{9}$	$\frac{38}{71}$
$\frac{24}{29}$	$\frac{19}{91}$	$\frac{5}{29}$
120	2.5	

练习 6:

9	1	5
9	24	8
$\frac{2}{5}$	$\frac{1}{5}$	$2\frac{5}{9}$
$\frac{5}{44}$	$\frac{3}{5}$	$\frac{1}{2}$
$\frac{1}{23}$	$\frac{1}{3}$	$\frac{1}{5}$
19	25.6	

练习 7:

1	9	5
4	33	19
$4\frac{4}{7}$	$3\frac{4}{7}$	$9\frac{1}{3}$
$8\frac{3}{13}$	$13\frac{1}{2}$	$3\frac{5}{11}$
$10\frac{3}{5}$	$1\frac{1}{3}$	$6\frac{17}{25}$
18.5	1	

练习 10:

7	10	2
40	7	12
$92\frac{4}{5}$	$31\frac{3}{5}$	$80\frac{2}{5}$
$7\frac{31}{37}$	$88\frac{2}{3}$	$11\frac{3}{4}$
$36\frac{8}{17}$	$54\frac{6}{11}$	$109\frac{2}{9}$
76	31	

练习 8:

5	5	19
8	2	13
$2\frac{1}{9}$	$6\frac{1}{3}$	$5\frac{2}{7}$
$3\frac{5}{29}$	$4\frac{9}{19}$	$9\frac{1}{7}$
$4\frac{11}{37}$	$5\frac{2}{57}$	$3\frac{1}{11}$
1110.6	27.4	

练习 11:

195	84	60
72	660	150
$\frac{1}{8}$	$\frac{7}{6}$	$\frac{13}{8}$
$\frac{7}{8}$	$\frac{12}{13}$	$\frac{1}{6}$
$\frac{7}{10}$	$\frac{1}{2}$	$\frac{9}{22}$
3	192	

练习 9:

1	13	9
10	12	5
$7\frac{3}{5}$	$39\frac{2}{3}$	$6\frac{3}{17}$
$19\frac{4}{9}$	$33\frac{3}{5}$	$7\frac{2}{5}$
138	$50\frac{1}{5}$	$8\frac{2}{7}$
7.45	58	

练习 12:

468	30	78
288	90	75
$\frac{1}{15}$	$\frac{9}{8}$	$\frac{17}{12}$
$\frac{1}{2}$	$\frac{9}{26}$	$\frac{5}{16}$
$\frac{7}{6}$	$\frac{19}{14}$	$\frac{19}{24}$
20	132	

练习 13:

175	72	24
88	78	1020
$\frac{1}{3}$	$\frac{1}{14}$	$\frac{29}{28}$
$\frac{67}{72}$	$\frac{9}{14}$	$\frac{97}{104}$
$\frac{43}{70}$	$\frac{139}{154}$	$\frac{11}{15}$
105.2	1.25	

练习 16:

88	42	24
225	90	200
$\frac{44}{35}$	$\frac{19}{12}$	$\frac{4}{15}$
$\frac{4}{21}$	$\frac{29}{15}$	$\frac{53}{35}$
$\frac{38}{45}$	$\frac{4}{15}$	$\frac{8}{21}$
26	20.4	

练习 14:

91	52	54
350	120	220
$\frac{23}{24}$	$\frac{41}{28}$	$\frac{5}{6}$
$\frac{5}{24}$	$\frac{3}{14}$	$\frac{9}{10}$
$\frac{41}{35}$	$\frac{37}{56}$	$\frac{4}{15}$
4	342	

练习 17:

420	186	150
66	130	108
$\frac{31}{35}$	$\frac{27}{20}$	$\frac{103}{72}$
$\frac{11}{35}$	$\frac{3}{8}$	$\frac{16}{45}$
$\frac{29}{35}$	$\frac{45}{28}$	$\frac{11}{6}$
202.2	23	

练习 15:

14	300	264
36	294	78
$\frac{1}{63}$	$\frac{4}{35}$	$\frac{17}{12}$
$\frac{22}{15}$	$\frac{23}{20}$	$\frac{29}{28}$
$\frac{17}{20}$	$\frac{44}{35}$	$\frac{13}{12}$
0.5	28	

练习 18:

210	102	372
168	126	180
$\frac{41}{28}$	$\frac{49}{40}$	$\frac{57}{77}$
$\frac{1}{12}$	$\frac{11}{21}$	$\frac{26}{63}$
$\frac{46}{21}$	$\frac{41}{28}$	$\frac{46}{35}$
450	39	

练习 19:

48	308	90
266	168	168
$\frac{5}{28}$	$\frac{23}{77}$	$\frac{29}{21}$
$\frac{29}{35}$	$\frac{77}{72}$	$\frac{4}{15}$
$\frac{19}{56}$	$\frac{17}{24}$	$\frac{47}{40}$
859	157	

练习 20:

825	192	180
420	304	144
$\frac{8}{9}$	$\frac{17}{10}$	$\frac{7}{24}$
$\frac{1}{6}$	$\frac{3}{28}$	$\frac{29}{21}$
$\frac{19}{12}$	$\frac{17}{24}$	$\frac{13}{15}$
6240	9.5	

练习 21:

$\frac{23}{4}$	$\frac{81}{11}$	$\frac{48}{5}$
$\frac{127}{8}$	$\frac{127}{6}$	$\frac{80}{3}$
$2\frac{1}{63}$	$1\frac{4}{35}$	$2\frac{5}{12}$
$3\frac{7}{15}$	$3\frac{3}{20}$	$3\frac{1}{28}$
$2\frac{17}{20}$	$3\frac{9}{35}$	$4\frac{1}{12}$
157	60	

练习 22:

$2\frac{5}{7}$	$15\frac{3}{5}$	$6\frac{2}{15}$
$11\frac{1}{2}$	$2\frac{9}{14}$	$18\frac{2}{3}$
$3\frac{9}{35}$	$2\frac{7}{12}$	$1\frac{11}{15}$
$2\frac{17}{21}$	$4\frac{14}{15}$	$3\frac{18}{35}$
$4\frac{38}{45}$	$1\frac{11}{15}$	$2\frac{8}{21}$
9900	10	

练习 23:

$\frac{67}{9}$	$\frac{197}{19}$	$\frac{27}{2}$
$\frac{129}{16}$	$\frac{228}{11}$	$\frac{698}{7}$
$3\frac{31}{35}$	$3\frac{7}{20}$	$3\frac{31}{72}$
$3\frac{11}{35}$	$1\frac{5}{8}$	$1\frac{16}{45}$
$2\frac{29}{35}$	$4\frac{17}{28}$	$3\frac{5}{6}$
7969	83.2	

练习 24:

$2\frac{4}{13}$	$5\frac{3}{8}$	$5\frac{5}{12}$
$3\frac{1}{37}$	$24\frac{9}{10}$	$15\frac{1}{5}$
$1\frac{31}{35}$	$2\frac{1}{18}$	$3\frac{1}{8}$
$2\frac{19}{28}$	$4\frac{7}{30}$	$5\frac{31}{35}$
$1\frac{1}{6}$	$\frac{3}{14}$	$1\frac{1}{39}$
35.8	29.4	

练习 25:

$\frac{59}{9}$	$\frac{57}{17}$	$\frac{117}{25}$
$\frac{141}{4}$	$\frac{626}{23}$	$\frac{147}{16}$
$6\frac{1}{15}$	$4\frac{3}{20}$	$2\frac{14}{15}$
$\frac{17}{20}$	$\frac{4}{35}$	$\frac{1}{78}$
$6\frac{3}{20}$	$4\frac{1}{40}$	$4\frac{5}{28}$
200.6	11	

练习 28:

$8\frac{1}{3}$	$6\frac{33}{40}$	$13\frac{1}{12}$
$\frac{407}{9}$	$\frac{301}{5}$	$\frac{170}{11}$
$\frac{2}{35}$	$1\frac{11}{72}$	$5\frac{3}{8}$
$3\frac{55}{63}$	$5\frac{29}{35}$	$\frac{45}{56}$
$4\frac{7}{8}$	$1\frac{31}{77}$	$4\frac{6}{35}$
35	1700	

练习 26:

$9\frac{8}{9}$	$3\frac{2}{5}$	$42\frac{1}{3}$
$3\frac{2}{15}$	$4\frac{1}{24}$	$32\frac{8}{11}$
$1\frac{4}{15}$	$1\frac{7}{8}$	$1\frac{9}{35}$
$4\frac{5}{12}$	$4\frac{11}{56}$	$3\frac{5}{8}$
$1\frac{2}{15}$	$1\frac{5}{42}$	$4\frac{5}{56}$
9800	77	

练习 29:

$2\frac{1}{8}$	$20\frac{4}{13}$	$42\frac{3}{5}$
$\frac{104}{17}$	$\frac{187}{9}$	$\frac{170}{21}$
$5\frac{8}{9}$	$2\frac{7}{10}$	$1\frac{7}{24}$
$\frac{1}{6}$	$\frac{3}{28}$	$4\frac{8}{21}$
$8\frac{7}{12}$	$4\frac{17}{24}$	$1\frac{2}{15}$
930	340.3	

练习 27:

$3\frac{6}{13}$	$7\frac{7}{30}$	$3\frac{7}{17}$
$\frac{47}{11}$	$\frac{116}{15}$	$\frac{83}{6}$
$6\frac{7}{40}$	$3\frac{1}{3}$	$\frac{37}{56}$
$\frac{1}{20}$	$1\frac{4}{35}$	$6\frac{7}{12}$
$6\frac{3}{8}$	$4\frac{17}{40}$	$1\frac{1}{8}$
670	202	

练习 30:

$9\frac{11}{25}$	$4\frac{5}{17}$	$17\frac{5}{6}$
$\frac{46}{5}$	$\frac{99}{8}$	$\frac{917}{30}$
$\frac{2}{9}$	$2\frac{9}{14}$	$5\frac{29}{35}$
$\frac{2}{15}$	$1\frac{5}{28}$	$5\frac{2}{9}$
$4\frac{31}{40}$	$1\frac{1}{4}$	$\frac{44}{63}$
7671	25.5	

计算超市

1 分数基础

$$(4,8)=$$

$$[4,6]=$$

$$(5,10)=$$

$$[6,8]=$$

$$(6,8)=$$

$$[12,18]=$$

2 分数乘法

$$\frac{8}{13} \times 6 =$$

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

$$\frac{6}{13} \times 26 =$$

$$\frac{6}{11} \times \frac{3}{11} =$$

$$\frac{9}{17} \times \frac{1}{3} =$$

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

$$\frac{9}{13} \times \frac{4}{30} =$$

$$\frac{6}{13} \times \frac{2}{5} =$$

$$\frac{5}{9} \times \frac{8}{45} =$$

3 四则运算

$$25 \times (8 \times 0.4) \times 1.25$$

$$18.09 \times [(1.5 + 5) \div 3.75 - 0.5]$$

练习 2

1 分数基础

$$(20, 24) =$$

$$[10, 15] =$$

$$(6, 9) =$$

$$[15, 25] =$$

$$(5, 15) =$$

$$[12, 15] =$$

2 分数乘法

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

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

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

$$\frac{7}{4} \times \frac{3}{14} =$$

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

$$\frac{3}{4} \times \frac{9}{14} =$$

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

$$\frac{11}{32} \times \frac{18}{22} =$$

$$\frac{13}{17} \times \frac{17}{39} =$$

3 四则运算

$$(1.6 + 3.2 + 4.8) \times 25$$

$$1.25 + 1.25 \times 7.4 + 1.25 \div 0.625$$

练习 3

1 分数基础

$$[3, 15] =$$

$$[14, 21] =$$

$$(7, 21) =$$

$$(2, 6) =$$

$$(14, 39) =$$

$$[7, 28] =$$

2 分数乘法

$$\frac{4}{29} \times 7 =$$

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

$$\frac{8}{9} \times \frac{27}{28} =$$

$$\frac{5}{13} \times \frac{13}{15} =$$

$$\frac{5}{16} \times \frac{24}{35} =$$

$$\frac{8}{23} \times \frac{5}{24} =$$

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

$$\frac{3}{55} \times \frac{33}{5} =$$

$$\frac{22}{27} \times \frac{9}{11} =$$

3 四则运算

$$4.4 - (2.5 + 1.9) \times (0.5 - 0.5)$$

$$[4.4 - (2.5 + 1.9) \times 0.5] - 0.5$$

练习 4

1 分数基础

$$(15, 35) =$$

$$[6, 10] =$$

$$(3, 9) =$$

$$[6, 15] =$$

$$(15, 27) =$$

$$[12, 21] =$$

2 分数乘法

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

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

$$\frac{7}{6} \times 36 =$$

$$\frac{3}{8} \times \frac{11}{18} =$$

$$\frac{8}{9} \times \frac{18}{7} =$$

$$\frac{4}{11} \times \frac{33}{24} =$$

$$\frac{3}{4} \times \frac{13}{14} =$$

$$\frac{5}{72} \times \frac{27}{15} =$$

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

3 四则运算

$$4.75 - 9.63 + (8.25 - 1.37)$$

$$2.5 \div 8 + 9.5 \times 0.125 + 4 \times 0.125$$

1 分数基础

$$(14, 35) =$$

$$[16, 24] =$$

$$(18, 24) =$$

$$[15, 27] =$$

$$(6, 21) =$$

$$[8, 12] =$$

2 分数乘法

$$\frac{14}{11} \times \frac{1}{7} =$$

$$\frac{13}{15} \times \frac{45}{52} =$$

$$\frac{25}{18} \times \frac{36}{15} =$$

$$\frac{6}{7} \times \frac{35}{16} =$$

$$\frac{49}{75} \times \frac{15}{7} =$$

$$\frac{51}{70} \times \frac{7}{17} =$$

$$\frac{12}{5} \times 3\frac{1}{3} =$$

$$\frac{3}{5} \times 2\frac{2}{3} =$$

$$\frac{2}{5} \times 4\frac{1}{6} =$$

3 四则运算

$$[2.1 + 7.5 \div (3.125 - 1.625)] \times 1.5$$

$$2.5 \times 0.4 - 2.1 \div 3 + 9.63$$

练习 6



分数基础

$$(33, 55) =$$

$$[24, 32] =$$

$$(4, 15) =$$

$$[6, 18] =$$

$$(5, 20) =$$

$$[10, 30] =$$



分数乘法

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

$$\frac{6}{11} \times \frac{121}{12} =$$

$$\frac{16}{7} \times \frac{21}{8} =$$

$$\frac{55}{6} \times \frac{12}{25} =$$

$$\frac{40}{63} \times \frac{35}{8} =$$

$$\frac{5}{18} \times \frac{15}{13} =$$

$$1\frac{5}{19} \times \frac{1}{6} =$$

$$\frac{5}{16} \times 3\frac{1}{5} =$$

$$12\frac{2}{3} \times 1\frac{5}{19} =$$



四则运算

$$(2.75 + 0.6 - 1.1) \times 12 + 3.7$$

$$2.5 \div 8 + 3.5 \times 0.125 + 0.125$$

1 分数基础

$[9, 12] =$

$(32, 48) =$

$[24, 30] =$

$[12, 18] =$

$(15, 20) =$

$[15, 30] =$

2 分数乘法

$\frac{4}{5} \times \frac{13}{5} =$

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

$\frac{3}{7} \times \frac{9}{17} =$

$\frac{2}{3} \times \frac{15}{32} =$

$\frac{28}{17} \times \frac{5}{7} =$

$\frac{3}{25} \times \frac{50}{9} =$

$4\frac{5}{8} \times 1\frac{3}{37} =$

$7\frac{2}{3} \times \frac{8}{23} =$

$1\frac{2}{7} \times 2\frac{4}{19} =$

3 四则运算

$(3.3 + 0.75 - 2.05) \div (1.2 - 0.8)$

$(4.2 \div 0.7 + 6 \div 25) \div 26 \times 5$

练习 8

1 分数基础

$$(9, 12) =$$

$$[8, 24] =$$

$$(9, 21) =$$

$$[32, 36] =$$

$$(28, 35) =$$

$$[18, 21] =$$

2 分数乘法

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

$$\frac{13}{8} \times \frac{3}{8} =$$

$$\frac{5}{39} \times \frac{13}{15} =$$

$$\frac{16}{11} \times \frac{22}{8} =$$

$$\frac{12}{13} \times \frac{7}{18} =$$

$$1\frac{8}{15} \times \frac{9}{23} =$$

$$2\frac{5}{6} \times 1\frac{1}{17} =$$

$$7\frac{9}{11} \times 1\frac{12}{43} =$$

$$2\frac{8}{11} \times 1\frac{17}{60} =$$

3 四则运算

$$(9.5 + 8 + 7.5) \times 12.5 + 25$$

$$60 \times (5 \div 12 + 4 \div 15 - 0.5)$$

1 分数基础

$$(30, 40) =$$

$$[10, 25] =$$

$$(17, 51) =$$

$$[24, 36] =$$

$$(13, 15) =$$

$$[14, 15] =$$

2 分数乘法

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

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

$$\frac{6}{5} \times \frac{3}{17} =$$

$$1\frac{3}{7} \times \frac{6}{5} =$$

$$\frac{15}{11} \times 1\frac{3}{5} =$$

$$1\frac{4}{9} \times \frac{27}{26} =$$

$$5\frac{2}{13} \times \frac{13}{15} =$$

$$2\frac{5}{8} \times 1\frac{3}{7} =$$

$$11\frac{2}{3} \times 1\frac{6}{7} =$$

3 四则运算

$$21 \div 3 + (1 \div 3) \div (5 \div 6)$$

$$(12.03 + 5.07 + 2.94) \div 3$$

练习 10

1 分数基础

$$(8,15)=$$

$$[7,14]=$$

$$(5,15)=$$

$$[20,25]=$$

$$(13,26)=$$

$$[20,30]=$$

2 分数乘法

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

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

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

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

$$\frac{25}{27} \times \frac{3}{5} =$$

$$\frac{16}{13} \times 4\frac{7}{8} =$$

$$3\frac{6}{17} \times 1\frac{11}{57} =$$

$$2\frac{8}{19} \times 1\frac{15}{23} =$$

$$\frac{13}{7} \times 5\frac{7}{13} =$$

3 四则运算

$$(4.8 \times 11.6 + 18.4 \times 4.8) \div 0.3$$

$$0.28 \times 103 - 0.28 \times 2 - 0.28$$

1 分数基础

假分数与带分数互化:

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

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

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

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

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

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

2 分数除法

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

$$\frac{8}{9} \div \frac{5}{9} =$$

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

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

$$\frac{4}{7} \div \frac{5}{9} =$$

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

$$2\frac{1}{7} \div \frac{5}{9} =$$

$$\frac{3}{5} \div 2\frac{1}{4} =$$

$$2\frac{1}{3} \div \frac{3}{5} =$$

3 四则运算

$$0.625 \times [(2.34 - 1.23) \div 0.37 - 0.4]$$

$$(4.2 \div 0.6 + 3.1) \times 3.1 + 0.25$$

练习 12

1 分数基础

假分数与带分数互化：

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

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

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

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

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

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

2 分数除法

$$\frac{5}{11} \div \frac{3}{11} =$$

$$\frac{2}{3} \div \frac{2}{5} =$$

$$\frac{5}{7} \div \frac{3}{14} =$$

$$\frac{3}{14} \div \frac{2}{5} =$$

$$\frac{3}{5} \div \frac{4}{7} =$$

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

$$2\frac{2}{5} \div \frac{2}{3} =$$

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

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

3 四则运算

$$(8.99 + 4.58) - (3.792 - 0.6)$$

$$1.4477 \div 0.0031 - 142.3 \times 1.8 + 36.14$$

练习13

1 分数基础

假分数与带分数互化:

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

$$\frac{13}{4} =$$

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

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

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

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

2 分数除法

$$\frac{5}{7} \div \frac{4}{7} =$$

$$\frac{6}{11} \div \frac{3}{11} =$$

$$\frac{7}{15} \div \frac{2}{5} =$$

$$\frac{2}{5} \div \frac{1}{3} =$$

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

$$\frac{5}{7} \div \frac{4}{5} =$$

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

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

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

3 四则运算

$$8.54 \times 1.2 - 4.32 \div 0.6 - 4.9 \times 0.03$$

$$1.25 \times (0.8 + 0.08 + 0.008)$$

练习 14

1 分数基础

假分数与带分数互化：

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

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

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

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

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

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

2 分数除法

$$\frac{6}{13} \div \frac{5}{13} =$$

$$\frac{4}{9} \div \frac{2}{9} =$$

$$\frac{5}{13} \div \frac{7}{13} =$$

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

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

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

$$2\frac{6}{7} \div \frac{2}{5} =$$

$$\frac{3}{4} \div 1\frac{5}{6} =$$

$$1\frac{2}{5} \div 2\frac{4}{5} =$$

3 四则运算

$$(1.3 + 2.15) \div 0.2 \times 5.4$$

$$[0.28 \times (4.3 - 0.29) + 0.0072] \div (24 \div 48) - 1.45$$

1 分数基础

假分数与带分数互化：

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

$$\frac{19}{4} =$$

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

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

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

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

2 分数除法

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

$$\frac{5}{8} \div \frac{1}{4} =$$

$$\frac{5}{6} \div \frac{1}{3} =$$

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

$$\frac{5}{3} \div \frac{1}{6} =$$

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

$$\frac{4}{9} \div 4\frac{4}{5} =$$

$$3\frac{3}{5} \div \frac{2}{7} =$$

$$1\frac{3}{7} \div 1\frac{1}{4} =$$

3 四则运算

$$(12.6 \times 0.8) - 3.78 \div 0.9 - 29.4 \div 5$$

$$(9.3 \times 11.2 \times 0.4) \div (3.2 \times 0.7 \times 3.1)$$

练习 16

1 分数基础

假分数与带分数互化:

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

$$\frac{19}{8} =$$

$$\frac{19}{6} =$$

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

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

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

2 分数除法

$$\frac{4}{11} \div \frac{3}{11} =$$

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

$$\frac{7}{8} \div \frac{3}{4} =$$

$$\frac{6}{7} \div \frac{4}{3} =$$

$$\frac{6}{7} \div \frac{3}{4} =$$

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

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

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

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

3 四则运算

$$9.8 \times 4.5 - (7.1 + 2.5) \times (3.8 - 2.1) + 25 \times 6.6$$

$$39.2 + 12.5 - 2.8 + (7.1 - 3.05) \times 18$$

1 分数基础

假分数与带分数互化:

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

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

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

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

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

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

2 分数除法

$$\frac{9}{17} \div \frac{5}{17} =$$

$$\frac{3}{7} \div \frac{6}{7} =$$

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

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

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

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

$$\frac{3}{5} \div 3\frac{2}{7} =$$

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

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

3 四则运算

$$1.34 + (4.94 - 3.28) \times 0.5$$

$$7.8 \div (32 \times 0.375 + 4 - 0.4)$$

练习 18

1 分数基础

假分数与带分数互化：

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

$$\frac{23}{6} =$$

$$\frac{22}{7} =$$

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

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

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

2 分数除法

$$\frac{6}{5} \div \frac{4}{5} =$$

$$\frac{3}{5} \div \frac{2}{7} =$$

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

$$\frac{8}{13} \div \frac{7}{26} =$$

$$\frac{6}{7} \div \frac{5}{14} =$$

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

$$2\frac{3}{8} \div \frac{5}{4} =$$

$$3\frac{1}{2} \div 1\frac{5}{8} =$$

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

3 四则运算

$$(9.18 \div 3 + 0.9) \div (11 \div 15)$$

$$36.58 \times 32.13 + 63.42 \times 32.13$$

1 分数基础

假分数与带分数互化：

$$\frac{25}{8} =$$

$$\frac{19}{9} =$$

$$\frac{31}{10} =$$

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

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

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

2 分数除法

$$\frac{5}{7} \div \frac{3}{5} =$$

$$\frac{2}{3} \div \frac{3}{4} =$$

$$\frac{6}{7} \div \frac{2}{5} =$$

$$\frac{6}{11} \div \frac{3}{22} =$$

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

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

$$2\frac{2}{5} \div \frac{2}{3} =$$

$$3\frac{5}{7} \div 3\frac{1}{2} =$$

$$3\frac{3}{5} \div 2\frac{1}{3} =$$

3 四则运算

$$13.9 \times 37.87 + 25.7 \times 37.87 + 39.6 \times 72.13$$

$$(7.2 + 3.5) \times 0.63 \div 0.09$$

练习 20

1 分数基础

假分数与带分数互化:

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

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

$$\frac{29}{6} =$$

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

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

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

2 分数除法

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

$$\frac{6}{7} \div \frac{2}{5} =$$

$$\frac{6}{7} \div \frac{9}{14} =$$

$$\frac{6}{7} \div \frac{4}{9} =$$

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

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

$$2\frac{6}{7} \div \frac{2}{5} =$$

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

$$2\frac{1}{5} \div 2\frac{3}{4} =$$

3 四则运算

$$12.9 \div (4.2 - 2.7) - 3.45$$

$$(6.45 \times 1.2 + 1.89) \div 0.9$$

练习 21

1 分数基础

$$\frac{3}{2} = \frac{6}{(\quad)}$$

$$\frac{5}{3} = \frac{10}{(\quad)}$$

$$\frac{3}{4} = \frac{6}{(\quad)}$$

$$\frac{2}{4} = \frac{1}{(\quad)}$$

$$\frac{4}{6} = \frac{2}{(\quad)}$$

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

2 乘除混合

$$\frac{2}{5} \times \frac{1}{20} \div \frac{1}{10} =$$

$$\frac{2}{3} \times \frac{1}{15} \div \frac{4}{5} =$$

$$\frac{2}{5} \times \frac{1}{10} \div \frac{1}{3} =$$

$$\frac{2}{3} \div \frac{4}{15} \div \frac{5}{6} =$$

$$\frac{2}{7} \times \frac{1}{11} \div \frac{1}{23} =$$

$$\frac{3}{5} \times \frac{1}{6} \times \frac{1}{7} =$$

3 四则运算

$$4.7 \times 4.7 + 4.03 \div (3.7 - 2.4)$$

$$5.38 \times 16.6 - (3.2 - 1.5) \times (8.8 + 3.9)$$

练习 22

1 分数基础

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

$$\frac{2}{3} = \frac{6}{(\quad)}$$

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

$$\frac{6}{9} = \frac{2}{(\quad)}$$

$$\frac{4}{8} = \frac{1}{(\quad)}$$

$$\frac{12}{9} = \frac{4}{(\quad)}$$

2 乘除混合

$$\frac{3}{8} \times \frac{1}{21} \div \frac{1}{3} =$$

$$\frac{3}{14} \times \frac{1}{2} \div \frac{1}{7} =$$

$$\frac{2}{25} \times \frac{1}{5} \div \frac{1}{50} =$$

$$\frac{2}{17} \times \frac{3}{20} \div \frac{1}{11} =$$

$$\frac{1}{7} \times \frac{1}{20} \div \frac{1}{5} =$$

$$\frac{2}{15} \times \frac{1}{21} \div \frac{1}{70} =$$

3 四则运算

$$9.6 \times 4.8 - (7.2 \times 9 - 8.4 \times 6.75)$$

$$15.6 \div [(20.75 - 4.5) \times 0.4]$$

1 分数基础

$$\frac{5}{2} = \frac{10}{(\quad)}$$

$$\frac{1}{4} = \frac{4}{(\quad)}$$

$$\frac{6}{5} = \frac{30}{(\quad)}$$

$$\frac{5}{10} = \frac{1}{(\quad)}$$

$$\frac{12}{14} = \frac{6}{(\quad)}$$

$$\frac{8}{12} = \frac{2}{(\quad)}$$

2 乘除混合

$$\frac{2}{7} \times \frac{1}{2} \div \frac{1}{3} =$$

$$\frac{2}{3} \times \frac{1}{5} \div \frac{4}{5} =$$

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

$$\frac{2}{3} \div \frac{4}{45} \div \frac{5}{6} =$$

$$\frac{5}{7} \times \frac{1}{13} \div \frac{1}{26} =$$

$$\frac{3}{35} \times \frac{7}{6} \times \frac{5}{2} =$$

4 四则运算

$$(2.4 - 0.6) \div [(1.5 + 0.5) \times 2]$$

$$45 \times 3.43 \div (17.7 + 3.3) \times 0.02$$

练习 24

1 分数基础

$$\frac{3}{5} = \frac{15}{()}$$

$$\frac{5}{4} = \frac{10}{()}$$

$$\frac{7}{2} = \frac{14}{()}$$

$$\frac{6}{16} = \frac{3}{()}$$

$$\frac{3}{18} = \frac{1}{()}$$

$$\frac{7}{21} = \frac{1}{()}$$

2 乘除混合

$$\frac{3}{14} \times \frac{1}{21} \div \frac{1}{35} =$$

$$\frac{3}{22} \div \frac{1}{7} \times \frac{1}{6} =$$

$$\frac{2}{35} \div \frac{1}{50} \times \frac{3}{5} =$$

$$\frac{2}{27} \div \frac{1}{18} \times \frac{3}{10} =$$

$$\frac{1}{30} \times \frac{9}{2} \div \frac{1}{5} =$$

$$\frac{2}{5} \times \frac{1}{21} \div \frac{1}{7} =$$

3 四则运算

$$25 - 3.6 \div 12 \times 10.5 + 18.42$$

$$(0.3 \times 1.26 + 0.6 \times 0.63) \div 0.126$$

1 分数基础

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

$$\frac{3}{8} = \frac{9}{(\quad)}$$

$$\frac{5}{3} = \frac{15}{(\quad)}$$

$$\frac{10}{15} = \frac{2}{(\quad)}$$

$$\frac{25}{15} = \frac{5}{(\quad)}$$

$$\frac{12}{8} = \frac{3}{(\quad)}$$

2 乘除混合

$$\frac{1}{13} \times \frac{1}{2} \div \frac{1}{26} =$$

$$\frac{2}{17} \times \frac{1}{5} \div \frac{4}{5} =$$

$$\frac{11}{30} \times \frac{1}{66} \div \frac{1}{30} =$$

$$\frac{1}{10} \div \frac{1}{5} \times \frac{5}{3} =$$

$$\frac{1}{4} \times \frac{5}{6} \div \frac{1}{39} =$$

$$\frac{8}{15} \times \frac{35}{22} \times \frac{11}{3} =$$

3 四则运算

$$(0.25 + 0.8) \div 0.63 - 0.75 \div 0.45 + 1.4$$

$$[(2.56 - 1.07) \times 5 + 101.5 \div 12.5] \times 0.5$$

练习 26

1 分数基础

$$\frac{3}{7} = \frac{(\quad)}{14}$$

$$\frac{5}{6} = \frac{(\quad)}{18}$$

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

$$\frac{21}{9} = \frac{(\quad)}{3}$$

$$\frac{15}{6} = \frac{(\quad)}{2}$$

$$\frac{18}{12} = \frac{(\quad)}{2}$$

2 乘除混合

$$\frac{3}{14} \times \frac{1}{21} \div \frac{1}{14} =$$

$$\frac{6}{5} \times \frac{13}{42} \times \frac{1}{52} =$$

$$\frac{6}{25} \times \frac{32}{7} \div \frac{3}{35} =$$

$$\frac{2}{7} \div \frac{5}{21} \times \frac{5}{22} =$$

$$\frac{1}{27} \div \frac{11}{5} \times \frac{11}{9} =$$

$$\frac{12}{19} \times \frac{1}{2} \div \frac{1}{8} =$$

3 四则运算

$$9.81 \times 0.1 + 0.5 \times 98.1 + 0.049 \times 981$$

$$190 + [12 - 0.38 \times (16.4 + 8.6)]$$

练习27

1 分数基础

$$\frac{9}{2} = \frac{(\quad)}{8}$$

$$\frac{4}{5} = \frac{(\quad)}{10}$$

$$\frac{1}{6} = \frac{(\quad)}{18}$$

$$\frac{4}{14} = \frac{(\quad)}{7}$$

$$\frac{10}{16} = \frac{(\quad)}{8}$$

$$\frac{12}{18} = \frac{(\quad)}{3}$$

2 乘除混合

$$\frac{1}{70} \times 1\frac{1}{2} \div \frac{1}{10} =$$

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

$$12\frac{4}{5} \div \frac{8}{5} \div 1\frac{3}{5} =$$

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

$$\frac{3}{4} \times \frac{1}{6} \div 1\frac{1}{3} =$$

$$\frac{1}{14} \times \frac{7}{16} \times 1\frac{1}{7} =$$

3 四则运算

$$[26 \times (6 - 2.5) \div 0.5 - 25] \times 0.2$$

$$0.6 \times (0.5 + 2.3 \times 6.5) \div 0.9 + 9.86$$

练习 28

1 分数基础

$$\frac{2}{5} = \frac{(\quad)}{15}$$

$$\frac{4}{9} = \frac{(\quad)}{36}$$

$$\frac{7}{8} = \frac{(\quad)}{24}$$

$$\frac{15}{20} = \frac{(\quad)}{4}$$

$$\frac{14}{21} = \frac{(\quad)}{3}$$

$$\frac{20}{25} = \frac{(\quad)}{5}$$

2 乘除混合

$$\frac{1}{21} \div \frac{1}{28} \div 6\frac{2}{3} =$$

$$\frac{1}{6} \times 8\frac{2}{3} \div 4\frac{1}{3} =$$

$$\frac{3}{32} \times \frac{7}{24} \times 21\frac{1}{3} =$$

$$\frac{2}{7} \div \frac{5}{42} \times \frac{3}{14} =$$

$$\frac{1}{36} \div 1\frac{4}{7} \times \frac{11}{7} =$$

$$2\frac{2}{5} \times \frac{1}{21} \div \frac{1}{28} =$$

3 四则运算

$$2.8 \times 1.7 + (2.03 - 1.4) \div 7$$

$$0.5 \times [(5.2 + 1.8 - 5.2 + 1.8) \div (1 - 0.75)]$$

1 分数基础

$$\frac{9}{4} = \frac{(\quad)}{20}$$

$$\frac{8}{3} = \frac{(\quad)}{18}$$

$$\frac{1}{5} = \frac{(\quad)}{15}$$

$$\frac{18}{24} = \frac{(\quad)}{4}$$

$$\frac{12}{27} = \frac{(\quad)}{9}$$

$$\frac{5}{15} = \frac{(\quad)}{3}$$

2 乘除混合

$$\frac{1}{33} \times 1\frac{1}{2} \div \frac{1}{11} =$$

$$1\frac{2}{7} \div \frac{14}{15} \times 1\frac{1}{6} =$$

$$1\frac{1}{3} \times 2\frac{1}{16} \div \frac{11}{24} =$$

$$2\frac{1}{13} \div \frac{9}{2} \div 2\frac{1}{6} =$$

$$1\frac{3}{4} \times \frac{1}{6} \div 2\frac{1}{3} =$$

$$1\frac{1}{14} \times \frac{7}{16} \times 1\frac{1}{7} =$$

3 四则运算

$$3.6 \times (2.45 - 1.9) \div 0.4$$

$$30.8 \div [14 - (9.85 + 1.07)]$$

练习 30

1 分数基础

$$\frac{7}{6} = \frac{(\quad)}{24}$$

$$\frac{4}{7} = \frac{(\quad)}{21}$$

$$\frac{4}{9} = \frac{(\quad)}{27}$$

$$\frac{8}{16} = \frac{(\quad)}{2}$$

$$\frac{9}{18} = \frac{(\quad)}{2}$$

$$\frac{16}{24} = \frac{(\quad)}{3}$$

2 乘除混合

$$3\frac{2}{5} \div 4\frac{6}{7} \div 1\frac{5}{9} =$$

$$1\frac{1}{2} \times \frac{4}{19} \div \frac{15}{38} =$$

$$5 \times 1\frac{3}{15} \div 3\frac{3}{5} =$$

$$1\frac{1}{4} \div 5\frac{5}{6} \times 2\frac{1}{3} =$$

$$2\frac{6}{7} \div 2\frac{6}{7} \div 1\frac{3}{4} =$$

$$2\frac{7}{10} \times 1\frac{2}{3} \div 1\frac{1}{5} =$$

3 四则运算

$$4 - 5.2 \div 1.3 \times (1 - 0.25)$$

$$15 \times 0.92 + 1.5 \times 3.8 - 0.15 \times 20$$

参考答案

练习 1:

4	12	5
24	2	36
$\frac{48}{13}$	$\frac{49}{15}$	12
$\frac{18}{121}$	$\frac{3}{17}$	$\frac{2}{3}$
$\frac{6}{65}$	$\frac{12}{65}$	$\frac{8}{81}$
100	22.311	

练习 4:

5	30	3
30	3	84
$\frac{4}{25}$	$\frac{21}{2}$	42
$\frac{11}{48}$	$\frac{16}{7}$	$\frac{1}{2}$
$\frac{39}{56}$	$\frac{1}{8}$	3
2	2	

练习 2:

4	30	3
75	5	60
4	16	$\frac{5}{16}$
$\frac{3}{8}$	$\frac{5}{12}$	$\frac{27}{56}$
$\frac{1}{3}$	$\frac{9}{32}$	$\frac{1}{3}$
240	12.5	

练习 5:

7	48	6
135	3	24
$\frac{2}{11}$	$\frac{3}{4}$	$\frac{10}{3}$
$\frac{15}{8}$	$\frac{7}{5}$	$\frac{3}{10}$
8	$\frac{8}{5}$	$\frac{5}{3}$
10.65	9.93	

练习 3:

15	42	7
2	1	28
$\frac{28}{29}$	$\frac{8}{25}$	$\frac{6}{7}$
$\frac{1}{3}$	$\frac{3}{14}$	$\frac{5}{69}$
$\frac{18}{49}$	$\frac{9}{25}$	$\frac{2}{3}$
4.4	1.7	

练习 6:

11	96	1
18	5	30
$\frac{10}{27}$	$\frac{11}{2}$	6
$\frac{22}{5}$	$\frac{25}{9}$	$\frac{25}{78}$
$\frac{4}{19}$	1	16
30.7	0.875	

练习 7:

36	16	120
36	5	30
$\frac{52}{25}$	$\frac{15}{56}$	$\frac{27}{119}$
$\frac{5}{16}$	$\frac{20}{17}$	$\frac{2}{3}$
5	$\frac{8}{3}$	$\frac{54}{19}$
5	1.2	

练习 10:

1	14	5
100	13	60
$\frac{15}{49}$	$\frac{77}{64}$	1
2	$\frac{5}{9}$	6
4	4	$\frac{72}{7}$
480	28	

练习 8:

3	24	3
288	7	126
$\frac{8}{49}$	$\frac{39}{64}$	$\frac{1}{9}$
4	$\frac{14}{39}$	$\frac{3}{5}$
3	10	$\frac{7}{2}$
337.5	11	

练习 11:

$2\frac{1}{2}$	$2\frac{1}{3}$	$3\frac{1}{2}$
$\frac{7}{3}$	$\frac{5}{2}$	$\frac{13}{4}$
$\frac{2}{3}$	$\frac{8}{5}$	$\frac{5}{4}$
$\frac{8}{3}$	$\frac{36}{35}$	$\frac{9}{20}$
$\frac{27}{7}$	$\frac{4}{15}$	$\frac{35}{9}$
1.625	31.56	

练习 9:

10	50	17
72	1	210
$\frac{7}{36}$	$\frac{20}{81}$	$\frac{18}{85}$
$\frac{12}{7}$	$\frac{24}{11}$	$\frac{3}{2}$
$\frac{67}{15}$	$\frac{15}{4}$	$\frac{65}{3}$
7.4	6.68	

练习 12:

$2\frac{2}{3}$	$2\frac{3}{4}$	$4\frac{1}{3}$
$\frac{10}{3}$	$\frac{8}{3}$	$\frac{11}{2}$
$\frac{5}{3}$	$\frac{5}{3}$	$\frac{10}{3}$
$\frac{15}{28}$	$\frac{21}{20}$	$\frac{9}{10}$
$\frac{18}{5}$	$\frac{4}{7}$	$\frac{27}{10}$
10.378	247	

练习 13:

$$\begin{array}{ccc}
 5\frac{1}{2} & 3\frac{1}{4} & 3\frac{1}{5} \\
 \frac{15}{4} & \frac{13}{5} & \frac{13}{6} \\
 \frac{5}{4} & 2 & \frac{7}{6} \\
 \frac{6}{5} & \frac{6}{5} & \frac{25}{28} \\
 \frac{20}{7} & \frac{8}{55} & \frac{20}{7} \\
 2.901 & 1.11 &
 \end{array}$$

练习 16:

$$\begin{array}{ccc}
 1\frac{4}{5} & 2\frac{3}{8} & 3\frac{1}{6} \\
 \frac{11}{4} & \frac{16}{5} & \frac{19}{6} \\
 \frac{4}{3} & \frac{4}{3} & \frac{7}{6} \\
 \frac{9}{14} & \frac{8}{7} & \frac{10}{9} \\
 \frac{77}{18} & \frac{4}{45} & \frac{7}{5} \\
 192.78 & 121.8 &
 \end{array}$$

练习 14:

$$\begin{array}{ccc}
 2\frac{1}{6} & 2\frac{1}{3} & 8\frac{1}{2} \\
 \frac{12}{5} & \frac{9}{4} & \frac{13}{3} \\
 \frac{6}{5} & 2 & \frac{5}{7} \\
 \frac{4}{5} & \frac{8}{15} & \frac{9}{7} \\
 \frac{50}{7} & \frac{9}{22} & \frac{1}{2} \\
 93.15 & 0.81 &
 \end{array}$$

练习 17:

$$\begin{array}{ccc}
 4\frac{1}{4} & 2\frac{2}{5} & 5\frac{1}{3} \\
 \frac{31}{7} & \frac{25}{8} & \frac{22}{9} \\
 \frac{9}{5} & \frac{1}{2} & \frac{5}{4} \\
 \frac{5}{3} & \frac{12}{5} & \frac{9}{8} \\
 \frac{21}{115} & \frac{50}{9} & \frac{17}{10} \\
 2.17 & 0.5 &
 \end{array}$$

练习 15:

$$\begin{array}{ccc}
 2\frac{1}{7} & 4\frac{3}{4} & 5\frac{1}{3} \\
 \frac{9}{2} & \frac{13}{2} & \frac{11}{3} \\
 \frac{3}{5} & \frac{5}{2} & \frac{5}{2} \\
 \frac{12}{5} & 10 & \frac{10}{9} \\
 \frac{5}{54} & \frac{63}{5} & \frac{8}{7} \\
 0 & 6 &
 \end{array}$$

练习 18:

$$\begin{array}{ccc}
 3\frac{3}{4} & 3\frac{5}{6} & 3\frac{1}{7} \\
 \frac{11}{6} & \frac{16}{7} & \frac{35}{8} \\
 \frac{3}{2} & \frac{21}{10} & \frac{25}{9} \\
 \frac{16}{7} & \frac{12}{5} & \frac{15}{8} \\
 \frac{19}{10} & \frac{28}{13} & \frac{20}{33} \\
 5.4 & 3213 &
 \end{array}$$

练习 19:

$$\begin{array}{ccc}
3\frac{1}{8} & 2\frac{1}{9} & 3\frac{1}{10} \\
\frac{21}{4} & \frac{32}{5} & \frac{41}{10} \\
\frac{25}{21} & \frac{8}{9} & \frac{15}{7} \\
4 & \frac{3}{2} & 2 \\
\frac{18}{5} & \frac{52}{49} & \frac{54}{35} \\
4356 & 74.9 &
\end{array}$$

练习 20:

$$\begin{array}{ccc}
4\frac{1}{5} & 5\frac{1}{4} & 4\frac{5}{6} \\
\frac{25}{7} & \frac{25}{6} & \frac{45}{8} \\
\frac{8}{21} & \frac{15}{7} & \frac{4}{3} \\
\frac{27}{14} & \frac{25}{12} & \frac{35}{24} \\
\frac{50}{7} & \frac{52}{15} & \frac{4}{5} \\
5.15 & 10.7 &
\end{array}$$

练习 21:

$$\begin{array}{ccc}
4 & 6 & 8 \\
2 & 3 & 4 \\
\frac{1}{5} & \frac{1}{18} & \frac{3}{25} \\
3 & \frac{46}{77} & \frac{1}{70} \\
25.19 & 67.718 &
\end{array}$$

练习 22:

$$\begin{array}{ccc}
6 & 9 & 9 \\
3 & 2 & 3 \\
\frac{3}{56} & \frac{3}{4} & \frac{4}{5} \\
\frac{33}{170} & \frac{1}{28} & \frac{4}{9} \\
37.98 & 2.4 &
\end{array}$$

练习 23:

$$\begin{array}{ccc}
4 & 16 & 25 \\
2 & 7 & 3 \\
\frac{3}{7} & \frac{1}{6} & \frac{3}{14} \\
9 & \frac{10}{7} & \frac{1}{4} \\
0.45 & 0.147 &
\end{array}$$

练习 24:

$$\begin{array}{ccc}
25 & 8 & 4 \\
8 & 6 & 3 \\
\frac{5}{14} & \frac{7}{44} & \frac{12}{7} \\
\frac{2}{5} & \frac{3}{4} & \frac{2}{15} \\
40.27 & 6 &
\end{array}$$

练习 25:

$$\begin{array}{ccc}
24 & 24 & 9 \\
3 & 3 & 2 \\
1 & \frac{1}{34} & \frac{1}{6} \\
\frac{5}{6} & \frac{65}{8} & \frac{28}{9} \\
1.4 & 7.785 &
\end{array}$$

练习 26:

6	15	14
7	5	3
$\frac{1}{7}$	$\frac{1}{140}$	$\frac{64}{5}$
$\frac{3}{11}$	$\frac{5}{243}$	$\frac{48}{19}$
98.1	192.5	

练习 30:

28	12	12
1	1	2
$\frac{9}{20}$	$\frac{4}{5}$	$\frac{5}{3}$
$\frac{1}{2}$	$\frac{4}{7}$	$\frac{15}{4}$
1	16.5	

练习 27:

36	8	3
2	5	2
$\frac{3}{14}$	$\frac{9}{7}$	5
6	$\frac{3}{32}$	$\frac{1}{28}$
31.4	20.16	

练习 28:

6	16	21
3	2	4
$\frac{1}{5}$	$\frac{1}{3}$	$\frac{7}{12}$
$\frac{18}{35}$	$\frac{1}{36}$	$\frac{16}{5}$
4.85	7.2	

练习 29:

45	48	3
3	4	1
$\frac{1}{2}$	$\frac{45}{28}$	6
$\frac{36}{169}$	$\frac{1}{8}$	$\frac{15}{28}$
4.95	10	

