Name Skill #9

Why doesn't the ocean overflow the land?

To find out, divide. Find each answer at the right. Write the letter for that exercise. Two answers are not used.

1. $0.0\,8\overline{)1.1\,2}$ = 14 T

2. $5.5\overline{)3\,8.5}$ = 7 I

3. $0.0\,6\overline{)5.4}$ = 90 T

4. $3.0\,5\overline{)1\,0.9\,8}$ = 3.6 E

5. $\frac{5.6}{0.07}$ = 80 D

6. $\frac{0.738}{0.82}$ = .9 S

7. $0.52 \div 13$ = .04 I

8. $30.2 \div 6.04$ = 5 B

9. $6.644 \div 3.02$ = 2.2 I

10. $7.849 \div 0.5$ = 15.698 P

Because . . .

7	I
14	T
2.2	I
0.9	S
90	T
0.4	I
80	D
3.6	E

Pg#39

Name Skill #9 *Decimals*

Dividing Decimals

Divide. Use mental math.

1. $0.36 \div 0.4 = .9$
2. $5.4 \div 0.06 = 90$
3. $1.21 \div 0.11 = 11$
4. $1.69 \div 0.13 = 13$
5. $0.032 \div 0.4 = .08$
6. $9.6 \div 0.12 = 80$
7. $14.4 \div 1.2 = 12$
8. $0.012 \div 0.3 = .4$
9. $0.56 \div 0.008 = 70$
10. $0.072 \div 0.08 = .9$
11. $2.6 \div 0.02 = 130$
12. $0.55 \div 0.005 = 110$
13. $0.0027 \div 0.9 = .003$
14. $100 \div 0.01 = 10{,}000$
15. $0.132 \div 0.012 = 11$
16. $7.2 \div 0.06 = 120$
17. $0.064 \div 0.8 = .08$
18. $0.0054 \div 0.006 = .9$
19. $3.6 \div 0.009 = 400$
20. $0.24 \div 0.008 = 30$
21. $84 \div 1.2 = 70$
22. $0.108 \div 0.09 = 1.2$

Name Skill #9 *Decimals*

Practice with Decimals

Perform the indicated operation.

1. $2.62 \div .54 = 4.\overline{851}$
2. $31.25 + 23.5 = 54.75$
3. $(9.9)(2.03) = 20.097$
4. $8726 \div 2.84 = 3072.5352$
5. $1.32 \div 1.22 = 1.0819672$
6. $6.55 + .08 = 6.63$
7. $12.78 - 7.2 = 5.58$
8. $(3.2)(4.065) = 13.008$
9. $21.7 - 15.9 = 5.8$
10. $.6 + .09 + 1.75 = 2.44$
11. $(2.5)(3.4)(4.4) = 37.4$
12. $87.21 - 23.98 + 11.12 = 74.35$
13. $(.03)(.23)(1.3) = .00897$
14. $23.65 \div 22.81 = 1.0368259$
15. $2.34 \div .983 = 2.3804679$
16. $65.78 + 54.90 = 120.68$
17. $432.42 - 237.89 = 194.53$
18. $12.938 + 11.548 = 24.486$
19. $789.987 - 231.093 = 558.894$
20. $(13.2)(34.9) = 460.68$
21. $1243.32 - 1032.90 = 210.42$
22. $5.23 \div 3.12 = 1.676282$

Name Skill #9 *Decimals*

Practice with Decimals

Perform the indicated operation.

1. 3.56 ÷ .73 = 4.8767123
2. 22.59 + 33.5 = 56.09
3. (4.3) (3.59) = 15.437
4. 3496 ÷ 3.549 = 985.06621
5. 7.459 ÷ 2.459 = 3.0333468
6. 7.546 + .0958 = 7.6418
7. 15.54 – 8.34 = 7.2
8. (6.5) (5.304) = 34.476
9. 43.7 – 34.5 = 9.2
10. .8 + .07 + 3.73 = 4.6
11. (5.5) (2.6) (4.0) = 57.2
12. 33.54 –22.56 + 23.43 = 34.41
13. (2.3) (3.04) (3.46) = 24.19232
14. 84.34 ÷ 65.76 = 1.2825425
15. 4.33 ÷ .393 = 11.017811
16. 54.34 + 31.98 = 86.32
17. 843.21 – 342.03 = 501.18
18. 23.434 + 23.403 = 46.837
19. 345.765 – 237.405 = 108.36
20. (23.4) (3.9) = 91.26
21. 1465.65 – 1253.42 = 212.23
22. 6.37 ÷ 6.50 = .98

Pg#42

Name Skill #10 Additional Resource

Maintenance

Add.

1. $\frac{1}{8} + \frac{3}{4} = \frac{7}{8}$
2. $\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$
3. $\frac{5}{6} + \frac{3}{7} = 1\frac{11}{42}$
4. $\frac{1}{8} + \frac{5}{12} = \frac{13}{24}$
5. $\frac{6}{7} + \frac{8}{49} = 1\frac{1}{49}$
6. $\frac{4}{9} + \frac{13}{27} = \frac{25}{27}$
7. $2\frac{5}{6} + 3\frac{2}{3} = 6\frac{1}{2}$
8. $4\frac{6}{7} + 8\frac{1}{4} = 13\frac{3}{28}$
9. $\frac{7}{8} + \frac{5}{24} = 1\frac{1}{12}$
10. $\frac{3}{16} + \frac{13}{16} = 1$
11. $\frac{1}{2} + \frac{3}{32} = \frac{19}{32}$
12. $\frac{2}{5} + \frac{1}{4} = \frac{13}{20}$
13. $\frac{2}{13} + \frac{5}{39} = \frac{11}{39}$
14. $\frac{1}{4} + \frac{7}{12} = \frac{5}{6}$
15. $8\frac{1}{2} + 5\frac{2}{3} = 14\frac{1}{6}$
16. $1\frac{8}{9} + 2\frac{2}{3} = 4\frac{5}{9}$
17. $7\frac{2}{3} + \frac{5}{51} = 7\frac{13}{17}$
18. $11\frac{1}{5} + \frac{17}{20} = 12\frac{1}{20}$
19. $\frac{1}{3} + \frac{5}{6} + \frac{1}{9} = 1\frac{5}{18}$
20. $\frac{1}{2} + \frac{1}{4} + \frac{3}{8} = 1\frac{1}{8}$

Pg. #43

Use after pages 176–177.

Name Skill #10

P50

What kind of pets can you bring along to music lessons?

To find out, add. Find each answer in a box below and cross out that box. The letters in the remaining boxes answer the question. Write them in order on the blanks.

1. $3\frac{1}{3} + 2\frac{1}{4} = 5\frac{7}{12}$

2. $8\frac{3}{4} + 1\frac{1}{4} = 10$

3. $16\frac{1}{5} + 3\frac{4}{5} = 20$

4. $69\frac{1}{8} + 18\frac{3}{4} = 87\frac{7}{8}$

5. $4\frac{3}{4} + 16\frac{3}{4} = 21\frac{1}{2}$

6. $9\frac{1}{2} + 14\frac{1}{2} = 24$

7. $23\frac{1}{5} + \frac{2}{3} = 23\frac{13}{15}$

8. $18\frac{5}{8} + 6\frac{3}{4} = 25\frac{3}{8}$

9. $14\frac{3}{5} + \frac{6}{7} = 15\frac{16}{35}$

10. $16\frac{1}{7} + 33\frac{6}{7} = 50$

11. $4\frac{3}{8} + \frac{2}{3} + 5\frac{5}{6} = 10\frac{7}{8}$

12. $14\frac{1}{2} + 9\frac{1}{3} + \frac{5}{7} = 24\frac{23}{42}$

~~$15\frac{16}{35}$~~ S	25 T	~~10~~ O	~~$23\frac{13}{15}$~~ H	$15\frac{3}{5}$ R	~~$21\frac{1}{2}$~~ B	$9\frac{1}{2}$ U	~~$10\frac{7}{8}$~~ C	~~20~~ D	$24\frac{1}{7}$ M
~~24~~ O	~~50~~ A	$19\frac{3}{5}$ P	$78\frac{1}{4}$ E	~~$25\frac{3}{8}$~~ F	~~$5\frac{7}{2}$~~ I	11 T	~~$87\frac{7}{8}$~~ Y	~~$24\frac{28}{42}$~~ G	$15\frac{1}{7}$ S

T R U M P E T S

Pg#44

Maintenance

Subtract.

1. $\frac{9}{16} - \frac{1}{16} = \frac{1}{2}$

2. $\frac{3}{4} - \frac{1}{16} = \frac{11}{16}$

3. $\frac{5}{6} - \frac{2}{5} = \frac{13}{30}$

4. $\frac{9}{10} - \frac{1}{3} = \frac{17}{30}$

5. $\frac{7}{8} - \frac{1}{4} = \frac{5}{8}$

6. $\frac{14}{15} - \frac{2}{3} = \frac{4}{15}$

7. $3\frac{2}{3} - 1\frac{5}{9} = 2\ 1/9$

8. $1\frac{5}{16} - \frac{1}{8} = 1\ 3/16$

9. $\frac{5}{6} - \frac{3}{7} = 17/42$

10. $3\frac{6}{7} - \frac{1}{4} = 3\ 17/28$

11. $4\frac{7}{9} - 2\frac{3}{5} = 2\ 8/45$

12. $3\frac{2}{3} - 2\frac{5}{6} = 5/6$

13. $\frac{6}{39} - \frac{2}{13} = 0$

14. $9\frac{2}{5} - 4\frac{1}{4} = 5\ 3/20$

15. $8\frac{1}{2} - 5\frac{2}{3} = 2\ 5/6$

16. $2\frac{1}{3} - 1\frac{8}{9} = \frac{4}{9}$

17. $\frac{3}{8} - \frac{5}{32} = \frac{7}{32}$

18. $6\frac{31}{42} - \frac{6}{7} = 5\ 37/42$

Pg. #45

Name SKILL #10

P51

Subtract.

1. $\frac{7}{8} - \frac{5}{8} =$ $\frac{1}{4}$

2. $\frac{2}{3} - \frac{1}{4} =$ $\frac{5}{12}$

3. $\frac{3}{5} - \frac{1}{2} =$ $\frac{1}{10}$

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

5. $\frac{3}{4} - \frac{5}{12} =$ $\frac{1}{3}$

6. $\frac{8}{9} - \frac{4}{5} =$ $\frac{4}{45}$

7. $1\frac{2}{3} - \frac{3}{5} =$ $1\frac{1}{15}$

8. $3\frac{3}{4} - 2\frac{1}{7} =$ $1\frac{17}{28}$

9. $6\frac{3}{7} - 1\frac{1}{3} =$ $5\frac{2}{21}$

10. $21\frac{3}{8} - 9\frac{1}{3} =$ $12\frac{1}{24}$

11. $67\frac{4}{5} - 29\frac{1}{4} =$ $38\frac{11}{20}$

12. $17\frac{23}{24} - \frac{2}{3} =$ $17\frac{7}{24}$

13. $52\frac{2}{3} - 14\frac{1}{4} =$ $38\frac{5}{12}$

14. $18\frac{3}{8} - 18\frac{1}{4} =$ $\frac{1}{8}$

15. $34\frac{10}{21} - 11\frac{1}{3} =$ $23\frac{1}{7}$

16. $33\frac{3}{5} - 5\frac{1}{6} =$ $28\frac{13}{30}$

17. $7\frac{2}{3} - 4\frac{1}{8} =$ $3\frac{13}{24}$

18. $44\frac{7}{9} - 13\frac{2}{3} =$ $31\frac{1}{9}$

Solve each problem.

19. An overpass has a clearance of $17\frac{3}{4}$ feet. How much space is there between the overpass and a truck that is $14\frac{1}{3}$ feet high?

$3\frac{5}{12}$ feet

20. A truck loaded with cargo weighed $6\frac{5}{6}$ tons. When empty, the truck weighed $2\frac{1}{2}$ tons. How much did the cargo weigh?

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

Pg #46

Name Skill #10

P52

Subtract.

1. $26\frac{5}{6} - 7\frac{1}{2} = 19\frac{1}{3}$

2. $14\frac{2}{3} - 6\frac{1}{5} = 8\frac{7}{8}$

3. $35 - 18\frac{1}{9} = 16\frac{8}{9}$

4. $16\frac{3}{8} - 7\frac{5}{8} = 9\frac{3}{4}$

5. $14\frac{2}{3} - \frac{7}{8} = 13\frac{15}{24}$

6. $19 - 7\frac{3}{8} = 11\frac{5}{8}$

7. $11\frac{3}{8} - 5\frac{9}{16} = 5\frac{13}{16}$

8. $14\frac{1}{2} - 6\frac{7}{8} = 7\frac{5}{8}$

9. $16\frac{1}{8} - 3\frac{1}{9} = 13\frac{1}{72}$

10. $35\frac{2}{3} - 16\frac{4}{5} = 18\frac{13}{15}$

11. $19 - 12\frac{3}{8} = 6\frac{3}{8}$

12. $12\frac{3}{8} - 9 = 3\frac{3}{8}$

13. $60\frac{1}{8} - 16\frac{1}{7} = 43\frac{55}{56}$

14. $63\frac{8}{9} - 19\frac{1}{2} = 44\frac{7}{8}$

15. $60\frac{1}{4} - 11\frac{3}{5} = 40\frac{13}{20}$

16. $40\frac{3}{8} - 19\frac{3}{8} = 21$

17. $8\frac{1}{6} - 6\frac{2}{3} = 1\frac{1}{2}$

18. $35\frac{1}{6} - 16\frac{3}{8} = 18\frac{19}{24}$

19. $17\frac{5}{8} - 3\frac{1}{3} = 14\frac{7}{24}$

20. $35 - 27\frac{1}{9} = 7\frac{8}{9}$

21. $26 - 8\frac{7}{8} = 17\frac{1}{8}$

22. $11\frac{7}{8} - 10\frac{8}{9} = \frac{71}{72}$

23. $46\frac{5}{7} - 39\frac{3}{4} = 6\frac{27}{28}$

24. $57\frac{2}{3} - 28\frac{4}{5} = 28\frac{13}{15}$

25. $8\frac{1}{9} - \frac{2}{3} = 7\frac{4}{9}$

Pg#47

Name Skill #10 *Fractions*

Adding and Subtracting Mixed Numbers

When the denominators are different, find the least common multiple. In this case, 8.

$3\frac{1}{4} + 1\frac{3}{8} = 3\frac{2}{8} + 1\frac{3}{8} = 4\frac{5}{8}$

1. $4\frac{5}{8} - 2\frac{2}{6} = 2\frac{7}{24}$
2. $8\frac{1}{6} + 5\frac{3}{4} = 13\frac{11}{12}$
3. $3\frac{7}{12} + 7\frac{5}{6} = 11\frac{5}{12}$
4. $12 - 3\frac{1}{5} = 8\frac{4}{5}$
5. $1\frac{9}{10} - 1\frac{3}{4} = \frac{3}{20}$
6. $5\frac{1}{2} - 2\frac{2}{7} = 3\frac{3}{14}$
7. $9\frac{3}{5} + 4\frac{2}{3} = 14\frac{4}{15}$
8. $16\frac{1}{3} - 7\frac{5}{8} = 8\frac{17}{24}$
9. $4\frac{1}{8} - 3\frac{1}{2} = \frac{5}{8}$
10. $12\frac{7}{9} + 3\frac{2}{3} = 16\frac{4}{9}$
11. $4\frac{8}{9} + 2\frac{5}{6} = 7\frac{13}{18}$
12. $3\frac{8}{12} - 1\frac{5}{18} = 2\frac{7}{18}$
13. $7\frac{1}{2} - 2\frac{7}{10} = 4\frac{4}{5}$
14. $6\frac{2}{7} - 1\frac{1}{3} = 4\frac{20}{21}$
15. $17\frac{3}{4} - 8\frac{2}{5} = 9\frac{7}{20}$
16. $6\frac{4}{5} + 2\frac{3}{8} = 9\frac{7}{40}$
17. $11\frac{4}{5} - 3\frac{5}{6} = 7\frac{29}{30}$
18. $4\frac{3}{6} + 7\frac{3}{8} = 11\frac{7}{8}$

Pg#48

Name Skill #10 *Fractions*

Multiplying Fractions

rewrite

$1\frac{2}{3} \cdot 2\frac{1}{2} = \frac{5}{3} \cdot \frac{5}{2} = \frac{25}{6}$ or $4\frac{1}{6}$

rewrite

1. $\frac{3}{5} \cdot \frac{15}{18} = \frac{1}{2}$

2. $\frac{2}{3} \cdot \frac{21}{24} = \frac{7}{12}$

3. $5\frac{1}{2} \cdot \frac{2}{11} = 1$

4. $7\frac{2}{7} \cdot 2\frac{1}{3} = 17$

5. $5\frac{3}{5} \cdot 2\frac{1}{7} = 12$

6. $3\frac{12}{13} \cdot 4\frac{1}{3} = 17$

7. $4\frac{4}{7} \cdot 1\frac{3}{4} = 8$

8. $8\frac{1}{3} \cdot 6\frac{3}{5} = 55$

9. $3\frac{1}{5} \cdot 12\frac{1}{2} = 40$

10. $1\frac{1}{2} \cdot 3\frac{1}{5} = 4\frac{4}{5}$

11. $9\frac{1}{3} \cdot 2\frac{1}{7} = 20$

12. $2\frac{3}{4} \cdot 1\frac{1}{3} = 3\frac{2}{3}$

13. $4\frac{5}{6} \cdot 5\frac{1}{7} = 24\frac{6}{7}$

14. $12\frac{2}{3} \cdot 7\frac{1}{2} = 95$

15. $5\frac{2}{3} \cdot 8\frac{1}{4} = 46\frac{3}{4}$

16. $10\frac{2}{3} \cdot 7\frac{1}{8} = 76$

17. $2\frac{4}{7} \cdot 2\frac{3}{9} = 6$

18. $5\frac{3}{12} \cdot 2\frac{1}{7} = 6\frac{3}{4}$

Pg#49

Name Skill #10 *Fractions*

Multiplying Fractions

rewrite

$2\frac{1}{3} \cdot 1\frac{1}{2} = \frac{7}{3} \cdot \frac{3}{2} = \frac{21}{6}$ or $3\frac{3}{6}$ or $3\frac{1}{2}$

rewrite

1. $12\frac{1}{2} \cdot 8\frac{2}{5} = 105$
2. $8\frac{3}{4} \cdot 1\frac{3}{7} = 12\frac{1}{2}$
3. $13\frac{1}{3} \cdot 2\frac{2}{5} = 32$
4. $5\frac{5}{7} \cdot 9\frac{4}{5} = 56$
5. $7\frac{1}{8} \cdot 9\frac{1}{3} = 66\frac{1}{2}$
6. $4\frac{2}{3} \cdot 7\frac{1}{2} = 35$
7. $3\frac{1}{3} \cdot 9\frac{3}{4} = 32\frac{1}{2}$
8. $7\frac{1}{3} \cdot 4\frac{1}{2} = 33$
9. $6\frac{2}{9} \cdot 3\frac{6}{8} = 23\frac{1}{3}$
10. $3\frac{3}{5} \cdot 2\frac{7}{9} = 10$
11. $3\frac{8}{9} \cdot 5\frac{2}{5} = 21$
12. $4\frac{7}{12} \cdot 6\frac{2}{5} = 29\frac{1}{3}$
13. $8\frac{2}{5} \cdot 3\frac{4}{7} = 30$
14. $15\frac{3}{4} \cdot 6\frac{2}{7} = 99$
15. $8\frac{4}{5} \cdot 2\frac{5}{10} = 22$
16. $10\frac{1}{2} \cdot 7\frac{1}{3} = 77$
17. $5\frac{4}{9} \cdot 2\frac{4}{7} = 14$
18. $11\frac{2}{3} \cdot 4\frac{4}{5} = 56$

Pg#50

Name Skill #10

P47

Multiply.

1. $16 \times 2\frac{5}{8} =$ 42
2. $3\frac{6}{7} \times 14 =$ 54
3. $4 \times 3\frac{3}{4} =$ 15
4. $6 \times 1\frac{2}{3} =$ 10
5. $24 \times 3\frac{1}{8} =$ 75
6. $7\frac{1}{3} \times 15 =$ 110
7. $7\frac{1}{5} \times \frac{2}{9} =$ $1\frac{3}{5}$
8. $8\frac{1}{2} \times 15 =$ $127\frac{1}{2}$
9. $5\frac{1}{4} \times \frac{4}{5} =$ $4\frac{1}{5}$
10. $\frac{2}{3} \times 4\frac{5}{7} \times \frac{7}{10} =$ $2\frac{1}{5}$
11. $3\frac{3}{5} \times 1\frac{1}{9} \times 2\frac{3}{4} =$ 11
12. $\frac{7}{8} \times \frac{5}{7} \times 3\frac{6}{7} =$ $2\frac{23}{56}$
13. $6\frac{3}{4} \times \frac{4}{5} \times \frac{2}{9} =$ $1\frac{1}{5}$

Give the reciprocal of each number.

14. $\frac{4}{9}$ $\frac{9}{4}$
15. 7 $\frac{1}{7}$
16. $4\frac{1}{5}$ $\frac{5}{21}$
17. $2\frac{1}{3}$ $\frac{3}{7}$

Solve the problem.

18. Bret can swim the length of a pool in $1\frac{1}{10}$ minutes. How long will it take him to swim 4 lengths of the pool?

$4\frac{2}{5}$ minutes

Pg # 91

Maintenance

Multiply.

1. $\frac{3}{8} \times 7 = 2\frac{5}{8}$
2. $\frac{1}{16} \times 8 = \frac{1}{2}$
3. $\frac{2}{3} \times \frac{12}{15} = \frac{8}{15}$
4. $\frac{3}{4} \times \frac{7}{8} = \frac{21}{32}$
5. $\frac{8}{9} \times \frac{11}{12} = \frac{22}{27}$
6. $\frac{7}{16} \times 8 = 3\frac{1}{2}$
7. $\frac{2}{3} \times \frac{3}{2} = 1$
8. $\frac{4}{7} \times \frac{8}{7} = \frac{32}{49}$
9. $\frac{4}{7} \times \frac{7}{8} = \frac{1}{2}$
10. $\frac{2}{5} \times \frac{3}{4} = \frac{3}{10}$
11. $4\frac{1}{2} \times 8 = 36$
12. $9\frac{7}{10} \times \frac{5}{6} = 8\frac{1}{12}$
13. $3\frac{1}{2} \times \frac{1}{7} = \frac{1}{2}$
14. $5\frac{5}{8} \times 6 = 33\frac{3}{4}$
15. $8\frac{1}{4} \times 12 = 99$
16. $2\frac{1}{3} \times 2\frac{1}{3} = 5\frac{4}{9}$
17. $1\frac{3}{8} \times 2\frac{1}{3} = 3\frac{5}{24}$
18. $\frac{3}{8} \times \frac{8}{7} \times \frac{3}{9} = \frac{1}{7}$
19. $12 \times \frac{1}{2} \times \frac{3}{5} = 3\frac{3}{5}$

Pg. #52

Use after pages 154–155.

Name Skill #10 *Fractions*

Dividing Fractions

rewrite — invert and multiply

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

rewrite

1. $6\frac{2}{3} \div 3\frac{4}{12}$ — 2

2. $4\frac{1}{2} \div 5\frac{1}{4}$ — $\frac{6}{7}$

3. $2\frac{2}{9} \div 4\frac{1}{6}$ — $\frac{8}{15}$

4. $6\frac{2}{3} \div 4\frac{4}{9}$ — $1\frac{1}{2}$

5. $8\frac{3}{4} \div 2\frac{1}{2}$ — $3\frac{1}{2}$

6. $7\frac{3}{5} \div 1\frac{9}{10}$ — 4

7. $3\frac{1}{3} \div 1\frac{5}{9}$ — $2\frac{1}{7}$

8. $4\frac{3}{8} \div 2\frac{1}{12}$ — $2\frac{1}{10}$

9. $9\frac{2}{7} \div 2\frac{2}{14}$ — $4\frac{1}{3}$

10. $7\frac{1}{5} \div 3\frac{3}{5}$ — 2

11. $7\frac{3}{4} \div 1\frac{1}{4}$ — $6\frac{1}{5}$

12. $5\frac{2}{5} \div 4\frac{1}{2}$ — $1\frac{1}{5}$

13. $2\frac{7}{10} \div 3\frac{9}{15}$ — $\frac{3}{4}$

14. $2\frac{2}{6} \div 4\frac{2}{3}$ — $\frac{1}{2}$

15. $3\frac{1}{2} \div 4\frac{1}{3}$ — $\frac{5}{6}$

16. $3\frac{3}{4} \div 1\frac{2}{3}$ — $2\frac{1}{4}$

17. $9\frac{4}{5} \div 1\frac{4}{10}$ — 7

18. $3\frac{1}{5} \div 1\frac{6}{10}$ — 2

Pg#53

Name Skill #10 *Fractions*

Dividing Fractions

rewrite — invert and multiply

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

rewrite

1. $7\frac{4}{5} \div 1\frac{3}{10}$ 6

2. $5\frac{1}{2} \div 8\frac{4}{5}$ $\frac{5}{8}$

3. $9\frac{2}{7} \div 3\frac{3}{14}$ $2\frac{4}{9}$

4. $8\frac{2}{5} \div 2\frac{1}{10}$ 4

5. $3\frac{5}{7} \div 3\frac{15}{21}$ 1

6. $8\frac{2}{7} \div 2\frac{1}{14}$ 4

7. $9\frac{1}{6} \div 3\frac{8}{12}$ $2\frac{1}{2}$

8. $11\frac{3}{7} \div 5\frac{10}{14}$ 2

9. $7\frac{1}{9} \div 2\frac{2}{3}$ $2\frac{2}{3}$

10. $9\frac{3}{5} \div 1\frac{6}{10}$ 6

11. $12\frac{3}{5} \div 2\frac{7}{10}$ $4\frac{2}{3}$

12. $8\frac{1}{3} \div 4\frac{1}{6}$ 2

13. $7\frac{1}{2} \div 8\frac{3}{4}$ $\frac{6}{7}$

14. $9\frac{1}{5} \div 2\frac{3}{10}$ 4

15. $12\frac{4}{5} \div 1\frac{1}{15}$ 12

16. $10\frac{4}{5} \div 1\frac{8}{10}$ 6

17. $13\frac{3}{4} \div 5\frac{1}{2}$ $2\frac{1}{2}$

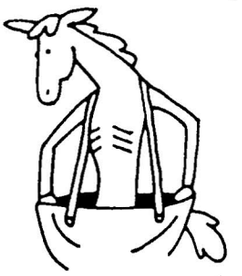
18. $3\frac{3}{4} \div 3\frac{1}{8}$ $1\frac{1}{5}$

Pg#54

Name Skill #10

P48

What is a young, skinny horse?



To find out, divide. Find each answer below.
Cross out the letter in the box. The
remaining letters answer the riddle.
Some answers are used more than once.

1. $4 \div \frac{3}{5} = 6\frac{2}{3}$

2. $9 \div \frac{3}{4} = 12$

3. $\frac{3}{8} \div \frac{5}{16} = 1\frac{1}{5}$

4. $\frac{3}{4} \div \frac{8}{9} = \frac{27}{32}$

5. $\frac{1}{2} \div \frac{5}{8} = \frac{4}{5}$

6. $9 \div \frac{1}{2} = 18$

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

8. $7 \div 4\frac{1}{5} = 1\frac{2}{3}$

9. $8 \div 3 = 2\frac{2}{3}$

10. $\frac{5}{8} \div 2\frac{1}{2} = \frac{1}{4}$

11. $7\frac{7}{9} \div 1\frac{1}{9} = 7$

12. $8\frac{2}{3} \div 1\frac{5}{8} = 5\frac{1}{3}$

13. $23\frac{1}{3} \div 8\frac{4}{7} = 2\frac{13}{18}$

14. $6\frac{3}{7} \div 5\frac{5}{7} = 1\frac{1}{8}$

15. $8\frac{2}{11} \div 4\frac{2}{7} = 1\frac{10}{11}$

$1\frac{10}{11}$	$3\frac{1}{3}$	$\frac{5}{7}$	$\frac{27}{32}$	$\frac{1}{4}$	6	$8\frac{2}{5}$	$6\frac{3}{4}$	15	$6\frac{2}{3}$	12	7	$\frac{4}{5}$
F	A	R	E	E	B	O	N	Y	S	A	A	T
$1\frac{1}{5}$	$2\frac{2}{3}$	$6\frac{2}{3}$	$15\frac{1}{8}$	3	$6\frac{1}{9}$	16	$1\frac{10}{11}$	$5\frac{1}{3}$	$1\frac{1}{8}$	18	$2\frac{13}{18}$	$1\frac{2}{3}$
S	T	O	P	O	N	Y	E	T	I	M	E	S

Pg#55

Name SKILL #10

Maintenance

Add, subtract, multiply, or divide.

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

2. $\frac{3}{4} \div \frac{2}{3} = 1\frac{1}{8}$

3. $\frac{47}{49} + \frac{1}{7} = 1\frac{5}{49}$

4. $5\frac{6}{7} \times \frac{2}{5} = 2\frac{12}{35}$

5. $3\frac{3}{4} \times \frac{2}{7} = 1\frac{1}{14}$

6. $\frac{13}{35} + 4\frac{5}{7} = 5\frac{3}{35}$

7. $2\frac{1}{8} \div \frac{7}{8} = 2\frac{3}{7}$

8. $4\frac{1}{5} - 3\frac{1}{2} = \frac{7}{10}$

9. $1\frac{4}{5} \times 2\frac{2}{3} = 4\frac{4}{5}$

10. $3\frac{5}{8} + \frac{23}{24} = 4\frac{7}{12}$

11. $5\frac{1}{3} - 4\frac{2}{3} = \frac{2}{3}$

12. $4\frac{4}{5} \div \frac{6}{5} = 4$

13. $4\frac{1}{7} - \frac{8}{9} = 3\frac{16}{63}$

14. $\frac{5}{6} \times \frac{7}{8} = \frac{35}{48}$

15. $8\frac{1}{2} + 9\frac{3}{4} = 18\frac{1}{4}$

16. $\frac{7}{10} \times \frac{7}{10} = \frac{49}{100}$

17. $8\frac{1}{2} \div \frac{3}{7} = 19\frac{5}{6}$

18. $2\frac{5}{6} \times \frac{8}{7} = 3\frac{5}{21}$

19. $\frac{9}{10} + \frac{3}{25} + \frac{33}{50} = 1\frac{17}{25}$

20. $\frac{29}{60} + \frac{3}{4} + \frac{5}{12} = 1\frac{13}{20}$

Pg. #5

Use after pages 258–259.