Pg 43 #1-15 all

1. $\frac{4}{24}, \frac{9}{24}.$
2. $\frac{40}{70}, \frac{21}{70}$
3. $\frac{15}{36}, \frac{8}{36}$
4. $\frac{30}{40}, \frac{25}{40}, \frac{4}{40}$
5. $<$
6. $<$
7. $=$
8. $>$
9. $1\frac{5}{12}$
10. $1\frac{5}{14}$
11. $\frac{17}{60}$
12. $\frac{7}{72}$
13. $5\frac{11}{18}$
14. $5\frac{23}{80}$
15. $1\frac{1}{12}$

Pg. 59 #1, 5-15 all, 21, 22

1. Multiply numerators and multiply denominators, then simplify the fraction.

5. $\frac{5}{16}$

6. $\frac{1}{10}$

7. $\frac{3}{28}$

8. $\frac{8}{21}$

9. $\frac{5}{8}$

10. $\frac{1}{24}$

11. $\frac{1}{3}$

12. $4\frac{1}{6}$

13. $5\frac{1}{4}$

14. $\frac{2}{5}$

15. $\frac{16}{45}$

21. $\frac{3}{10}$

22. $\frac{1}{4}$

Pg. 60 #27-37 odd, 39, 42, 44, 45, 46 *47-50

27. 2

29. 2

31. 2

33. $1\frac{1}{2}$

35. $1\frac{3}{14}$

37. $36\frac{2}{3}$

39. $6\frac{4}{9}$

42. You must first rewrite the mixed number as an improper fraction and then multiply.

$$4 \times 3\frac{7}{10} = 4 \times \frac{37}{10}$$

$$= \frac{\cancel{4}^{2} \times 37}{\cancel{10}_{5}}$$

$$= \frac{74}{5}, \text{ or } 14\frac{4}{5}$$

44. $\frac{3}{80}$ g

45. **a.** 7 ft^2 **b.** $10\frac{1}{3}$ ft^2

46. less than; greater than; Because $\frac{4}{5} < 1$, the product will be less than the other factor, $1\frac{1}{6}$. Because $1\frac{1}{6} > 1$, the product will be greater than the other factor, $\frac{4}{5}$.

47. $\frac{2}{15}$

48. $2\frac{1}{12}$

49. $26\frac{2}{5}$

50. $\frac{27}{125}$

Pg. 67-68 #2, 7-17 odd, 30, 31, *45, *47

2. $\frac{2}{9}$ does not belong because its reciprocal is not a whole number.

7. $\frac{1}{8}$

9. $\frac{5}{2}$

11. $\frac{1}{2}$

13. 16

15. $\frac{1}{14}$

17. $\frac{1}{3}$

30. $\frac{3}{25}$

31. $5\frac{5}{8}$ times

45. $1\frac{1}{6}$

47. 2

Pg. 74 #1, 5-13 odd, 22, 23, 26, 27, 31, 38

1. $\frac{3}{22}$

5. 3

7. $9\frac{3}{4}$

9. $3\frac{18}{19}$

11. $\frac{9}{10}$

13. $12\frac{1}{2}$

22. 18 days

23. 14 hamburgers

26. 3

27. 4

31. $5\frac{1}{6}$

38. See *Taking Math Deeper.*

Pg. 82-83 # 5-19 odd, 23, 29, 30

5. 11.029

7. 22.899

9. 29.937

11. 1.46

13. 4.366

15. 2.644

17. Line up the decimal points before adding. Insert a 0 at the end of the second number so that both numbers have the same number of decimal places. $6.058 + 3.95 = 10.008$.

19. $8.30

23. 10

29. 34.995 m

30. 3.6 h

Name Answers Date

Review 2.1-2.3

Give the reciprocal of the following:

1) $\frac{9}{10}$ $\frac{10}{9}$

2) 15 $\frac{1}{15}$

3) $7\frac{3}{4}$ $\frac{4}{31}$ $\frac{31}{4}$

4) $15\frac{1}{4}$ $\frac{4}{61}$ $\frac{61}{4}$

Evaluate the following.

5) $\frac{5}{8}+\frac{7}{12}=$ $1\frac{5}{24}$

6) $\frac{5}{6}-\frac{2}{9}=$ $\frac{11}{18}$

7) $\frac{24}{25}\times\frac{15}{16}=$ $\frac{9}{10}$

8) $\frac{15}{36}\div\frac{21}{32}=$ $\frac{40}{63}$

9) $4\frac{7}{8}+2\frac{1}{6}=$ $7\frac{1}{24}$

10) $5\frac{1}{2}-4\frac{3}{10}=$ $1\frac{1}{5}$

11) $6\frac{1}{4} \times 3\frac{2}{10} =$ 20

12) $5\frac{1}{4} \div 10\frac{1}{2} =$ $\frac{1}{2}$

13) Mayoman bought $\frac{9}{10}$ of a pound of mayonnaise. He used $\frac{1}{2}$ of a pound of it to make his Vanilla Sundae Surprise. How much mayonnaise does he have left?

$\frac{2}{5}$ of a pound

14) Cocoaman bought a chocolate bar that weighed $1\frac{1}{8}$ of a pound. He ate $\frac{1}{3}$ of the chocolate bar today. How much did that part of the chocolate bar weigh?

$\frac{3}{8}$ of a pound

15) Mr. Hershey had $7\frac{1}{2}$ pounds of Snickers bars. He went to the store and bought another $2\frac{1}{4}$ pounds of Skittles. How much candy does Mr. Hershey have altogether?

$9\frac{3}{4}$ pounds

16) Mr. Bratt bought a piece of lumber that was 9 feet long. He wanted to cut that board into shelves that were each $1\frac{1}{2}$ feet long. How many of those shelves would he get out of that board?

6 shelves

Pg. 89-90 #1-4, 13, 17, 22, 23, 31, 35, 54, 57

1. Place the decimal point so that there are two decimal places. $1.2 \times 2.4 = 2.88$
2. Greater than 8; Because 8 is being multiplied by a number greater than 1.
3. 8.722
4. 6.2832

13. 33.6
17. 21.45
22. 0.076
23. 0.0342
31. 0.024
35. 0.03
54. 4.355
57. 71.984

Pg. 97-98 #2, 5, 13, 15, 26, 29, 37, 43, 51

2. $18.6 \div 4 = 4.65$

5. $47\overline{)136}$

13. 6.7

15. 1.3

26. \$0.12

29. 1.62

37. 9

43. 460

51. 850 songs

Pg. 101-103 #1-31 odd

1. $\frac{5}{56}$
3. $\frac{1}{6}$
5. $2\frac{2}{15}$
7. $4\frac{17}{48}$
9. $\frac{5}{18}$
11. 15
13. $2\frac{9}{20}$
15. $1\frac{5}{6}$
17. 15
19. 24.262
21. 10.107
23. 42.7
25. 76.08425
27. 0.012444
29. 1.7
31. 7.1