Solution Manual for Business Mathematics 13th Edition by Clendenen Salzman ISBN 9780321955050 0321955056
Full link download:
Solution Manual:
https://testbankpack.com/p/solution-manual-for-business-mathematics-13th-edition-by-clendenen-salzman-isbn-9780321955050-0321955056/

Test Bank:
https://testbankpack.com/p/test-bank-for-business-mathematics-13th-edition-by-clendenen-salzman-isbn-9780321955050-0321955056/

Write the following fractions in lowest terms.

1. $\frac{35}{80}$ **1.** _____

2. $\frac{375}{1000}$ **2.** _____

3. $\frac{32}{64}$ **3.** _____

4. _____

5. _____

6. _____

Convert the following improper fractions to mixed numbers, and write using lowest terms.

4. $\frac{19}{7}$

5. $\frac{38}{24}$

6. $\frac{50}{16}$

Convert the following mixed numbers to improper fractions.

7. $3\ 11\frac{5}{}$ **7.** _____

8. $21\ \frac{7}{8}$ **8.** _____

9. $32\ \frac{1}{3}$ **9.** _____

Find the LCD of each of the following groups of denominators.

10. 8, 12 **10.** _____

Chapter 2 | **Test Form A** **Name:** _____

11. 5, 10, 16 **11.** _____

12. 6, 15, 24, 32 **12.** _____

Solve the following problems.

13.
$$\begin{array}{r} \frac{1}{5} \\ \frac{3}{10} \\ +\ \frac{1}{4} \end{array}$$

13. _____

14.
$$\begin{array}{r} 47\frac{7}{12} \\ -\ 13\ \frac{1}{6} \\ \hline \end{array}$$

14. _____

Chapter 2 Test Form A **Name:** _____

15. $59\frac{8}{13} - 48\frac{1}{16}$ **15.** _____

16. $12\frac{1}{2} \times 1\frac{2}{3}$ **16.** _____

17. $3\frac{3}{4} \div \frac{27}{16}$ **17.** _____

Solve the following application problems.

18. Spence Ferris, a sales representative, drove $4\frac{1}{2}$ hours on the first day of his business trip, $8\frac{3}{4}$ hours on the second day, $6\frac{2}{3}$ hours on the third day, and $5\frac{1}{6}$ hours on the fourth day. If he must drive a total of 30 hours in five days, how many hours must Spence drive on the fifth day? **18.** _____

19. Rod Shuffield owns $63\frac{3}{4}$ acres of land. He sells one-third of the land, $\frac{1}{5}$ of the remaining land will lie unplanted. How many acres will Rod plant this year? **19.** _____

20. Anna Granger bought 29 shares of one stock for $\$8\frac{3}{4}$ per share and 15 shares of another stock for $\$6\frac{1}{4}$ per share. How much did she pay altogether? **20.** _____

21. Find the number of decorative bows that can be made from $24\frac{3}{4}$ yards of ribbon if each bow requires $1\frac{1}{8}$ yards of ribbon. **21.** _____

Convert the following decimals to fractions.

22. .725 **22.** _____

23. .84 **23.** _____

Convert the following fractions to decimals. Round answer to the nearest thousandth.

24. $\frac{17}{18}$ **24.** _____

Chapter 2 | **Test Form A** **Name:** _____

25. $\frac{19}{24}$

25. _____

Chapter 2 | Test Form B Name: _____

Write the following fractions in lowest terms.

1. $\frac{28}{70}$ **1.** _____

2. $\frac{36}{100}$ **2.** _____

3. $\frac{24}{1236}$ **3.** _____

Convert the following improper fractions to mixed numbers, and write using lowest terms.

4. $\frac{55}{7}$ **4.** _____

5. $\frac{21}{6}$ **5.** _____

6. $\frac{80}{21}$ **6.** _____

Convert the following mixed numbers to improper fractions.

7. $4\frac{5}{6}$ **7.** _____

8. $32\frac{1}{8}$ **8.** _____

9. $10\,9\frac{4}{}$ **9.** _____

Find the LCD of each of the following groups of denominators.

10. 6, 27 **10.** _____

11. 5, 12, 21 **11.** _____

12. 2, 6, 15, 32 **12.** _____

Solve the following problems.

13.
$$\begin{array}{r} 5 \\ \hline \frac{7}{12} \\ 2 \\ \hline +\ 3 \\ \hline \end{array}$$
13. _____

14.
$$\begin{array}{r} 27\frac{8}{} \\ \hline -14\frac{1}{3} \\ \hline \end{array}$$
14. _____

Chapter 2 | **Test Form B** **Name:** _____

15. $73\frac{4}{7}$ _____ **15.** _____

$29\ 14\frac{11}{}$

16. $6\frac{1}{3} \times \frac{2}{5}$ **16.** _____

17. $2\frac{1}{2} \div 3\frac{3}{4}$ **17.** _____

Solve the following application problems.

18. Desiree Ramirez is a scuba diver and plans to spend 5 hours underwater during her five day vacation. She makes two dives each day. On the first day, the duration of her dives was $\frac{1}{2}$ hour and $\frac{2}{3}$ hour; the second day, $\frac{3}{4}$ and $\frac{1}{3}$ hour; the third day, $\frac{5}{6}$ and $\frac{1}{2}$ hour; the fourth day, $\frac{2}{3}$ and $\frac{1}{4}$ hour.

How long must she spend on the fifth day to achieve her goal? **18.** _____

19. Sam Becker owns $147\frac{1}{4}$ acres of land in Maine. He sells one-fifth of his land and deeds $\frac{1}{2}$ of the remaining land to his grandchildren. How much land does Sam still own? **19.** _____

20. Sally McLouth bought 7 pounds of rib eye steak for $7.75 per pound and $4\frac{1}{2}$ pounds of lamb chops for $9.25 per pound. Find the total cost. Round your answer to the nearest cent. **20.** _____

21. A party favor requires $3\frac{7}{8}$ inches of ribbon. How many party favors can be made with 62 inches of ribbon? **21.** _____

Convert the following decimals to fractions.

22. .3 **22.** _____

23. .85 **23.** _____

Convert the following fractions to decimals. Round answer to the nearest thousandth.

24. _____

Chapter 2

Test Form B

Name: _____

25. $\frac{11}{12}$

25. _____

Chapter 2 | Test Form C Name: _____

Write the following fractions in lowest terms.

1. $\frac{76}{90}$ **1.** _____

2. $\frac{28}{490}$ **2.** _____

3. $\frac{426}{840}$ **3.** _____

Convert the following improper fractions to mixed numbers, and write using lowest terms.

4. $\frac{39}{5}$ **4.** _____

5. $\frac{63}{14}$ **5.** _____

6. $\frac{116}{28}$ **6.** _____

Convert the following mixed numbers to improper fractions.

7. $68\frac{5}{}$ **7.** _____

8. $17\,5\frac{3}{}$ **8.** _____

9. $12\,11\frac{1}{}$ **9.** _____

Find the LCD of each of the following groups of denominators.

10. 6, 21 **10.** _____

11. 4, 10, 18 **11.** _____

12. 8, 14, 16, 21 **12.** _____

Solve the following problems.

13.
$$\begin{array}{r} \frac{3}{4} \\ \frac{2}{3} \\ +\ \frac{5}{6} \end{array}$$
13. _____

14.
$$\begin{array}{r} 16\frac{15}{16} \\ -4\frac{1}{8} \\ \hline \end{array}$$
14. _____

Chapter 2 | **Test Form C** **Name:** _____

15. $12\frac{2}{5} - 9\frac{13}{15}$ **15.** _____

16. $2\frac{2}{3} \times 4\frac{1}{2}$ **16.** _____

17. $12\frac{1}{2} \div 3$ **17.** _____

Solve the following application problems.

18. A concession stand stocks 18 cases of soda for the weekend $6\,3\frac{1}{}$ cases of soda were sold on Friday, $5\,4\frac{3}{}$ on Saturday, and $4\,2\frac{1}{}$ on Sunday. How many cases remain? **18.** _____

19. Jill Owen owns $271\frac{1}{4}$ acres of land in Alaska. She sells one-fourth of the land and sets aside $\frac{3}{5}$ of the reminder as wilderness area. How much remains that is not designated as wilderness? **19.** _____

20. Brad Harrington bought 31 shares of one stock for $\$9\frac{3}{4}$ per share and 26 shares of another stock for $\$11\frac{5}{8}$ per share. How much did he pay altogether? **20.** _____

21. Find the number of cakes that can be made from 25 lb. of flour if each cake requires $\frac{5}{6}$ of a pound. **21.** _____

Convert the following decimals to fractions.

22. .22 **22.** _____

23. .1125 **23.** _____

Convert the following fractions to decimals. Round answer to the nearest thousandth.

24. $\frac{5}{13}$ **24.** _____

25. $\frac{59}{}$

Chapter 2 **Test Form C** **Name:**

25.

Chapter 2 | Test Form D Name: _____

Write the following fractions in lowest terms.

1. $\frac{56}{60}$ **1.** _____

2. $\frac{48}{100}$ **2.** _____

3. $\frac{281}{562}$ **3.** _____

Convert the following improper fractions to mixed numbers, and write using lowest terms.

4. $\frac{35}{8}$ **4.** _____

5. $\frac{70}{}$

6. $\frac{124}{24}$ **6.** _____

Convert the following mixed numbers to improper fractions.

7. $7\ 7\frac{4}{}$ **7.** _____

8. $12\frac{3}{16}$ **8.** _____

9. $34\ \frac{2}{}3$ **9.** _____

Find the LCD of each of the following groups of denominators.

10. 14, 20 **10.** _____

11. 10, 15, 20 **11.** _____

12. 8, 9, 15, 16 **12.** _____

Solve the following problems.

13.
$$\begin{array}{r} 18\ \frac{3}{5} \\ 4\frac{7}{} \\ \\ +\ 1\frac{}{15}^{10}\ 8 \end{array}$$

14.
$$\begin{array}{r} 6\frac{7}{12} \\ -2\ \frac{1}{} \\ \hline \quad 3 \end{array}$$

13. _____

14. _____

Chapter 2 | Test Form D **Name:** _____

15. $92\frac{1}{4} - 11\frac{5}{6}$ **15.** _____

16. $5\frac{1}{9} \times \frac{4}{23}$ **16.** _____

17. $3\frac{2}{5} \div 4\frac{8}{15}$ **17.** _____

Solve the following application problems.

18. Mari Seni works exactly 40 hours in a 5-day work week. She worked $6\frac{1}{2}$ hours of Monday, $8\frac{3}{4}$ hours on Tuesday, $6\frac{5}{6}$ hours on Wednesday, and $10\frac{1}{4}$ hours on Thursday. How many hours must Mari work on Friday? **18.** _____

19. Barry Owen owns $146\frac{1}{2}$ acres of land in Nebraska. He sells one-third of the land and donates $\frac{1}{10}$ of the remainder for charity. How many acres of land does he have left? **19.** _____

20. Kirk Spencer bought 23 shares of one stock for $\$6\frac{5}{8}$ per share and 45 shares of another stock for $\$16\frac{3}{4}$ per share. How much did he pay altogether? Round your answer to the nearest cent. **20.** _____

21. Brookhaven College recently carpeted its new offices with 210 square yards of carpet. The total cost of the carpet was $6825. What was the cost of the carpet per square yard? **21.** _____

Convert the following decimals to fractions.

22. .075 **22.** _____

23. .42 **23.** _____

Convert the following fractions to decimals. Round to the nearest thousandth.

24. $\frac{3}{28}$ **24.** _____

Chapter 2 | **Test Form D** **Name:** _____

25. $\frac{41}{84}$

25. _____

Chapter 2 | Test Form E Name:

For each question, select the letter that corresponds to the correct answer.

1. Write $\frac{80}{112}$ in lowest terms. **1.** _____

(a) $\frac{6}{7}$ (b) $\frac{40}{56}$ (c) $\frac{5}{7}$ (d) $\frac{10}{14}$

2. Write $\frac{325}{1000}$ in lowest terms. **2.** _____

(a) $\frac{28}{250}$ (b) $\frac{13}{40}$ (c) $\frac{65}{200}$ (d) $\frac{11}{100}$

3. Write $\frac{36}{1260}$ in lowest terms. **3.** _____

(a) $\frac{1}{35}$ (b) $\frac{18}{630}$ (c) $\frac{3}{105}$ (d) $\frac{6}{210}$

4. Convert $\frac{39}{5}$ to a mixed number. Write in lowest terms. **4.** _____

(a) $5\frac{4}{7}$ (b) $4\frac{5}{7}$ (c) $7\frac{4}{5}$ (d) $7\frac{5}{4}$

5. Convert $\frac{116}{28}$ to a mixed number. Write in lowest terms. **5.** _____

(a) $4\frac{4}{28}$ (b) $7\frac{1}{4}$ (c) $1\frac{4}{7}$ (d) $4\frac{1}{7}$

6. Convert $\frac{57}{18}$ to a mixed number. Write in lowest terms. **6.** _____

(a) $3\frac{1}{3}$ (b) $3\frac{3}{18}$ (c) $3\frac{1}{6}$ (d) 3

7. Convert $7\frac{5}{9}$ to an improper fraction. **7.** _____

(a) $\frac{68}{9}$ (b) $\frac{60}{9}$ (c) $\frac{63}{9}$ (d) $\frac{71}{9}$

8. Convert $14\frac{5}{6}$ to an improper fraction. **8.** _____

Chapter 2	**Test Form E**	**Name:**

(a) $\frac{89}{6}$ (b) $\frac{84}{5}$ (c) $\frac{70}{6}$ (d) $\frac{76}{5}$

Chapter 2 | **Test Form E** **Name:**

9. Convert $20\frac{3}{4}$ to an improper fraction. **9.** _____

(a) $\frac{64}{4}$ (b) $\frac{83}{3}$ (c) $\frac{80}{3}$ (d) $\frac{83}{4}$

10. Find the LCD for $\frac{3}{4}$ and $\frac{17}{50}$. **10.** _____

(a) 120 (b) ! (c) 100 (d) 200

11. Find the LCD for $\frac{3}{10}$, $\frac{7}{18}$, and $\frac{21}{25}$. **11.** _____

(a) 500 (b) 630 (c) 900 (d) 450

12. Find the LCD for $\frac{3}{4}$, $\frac{1}{8}$, and $\frac{16}{21}$. **12.** _____

(a) 336 (b) 168 (c) 2016 (d) 4032

Solve the following problems.

13. Add: $4\frac{3}{11} + 8\frac{5}{2} + 12\frac{1}{24}$ **13.** _____

(a) $2\frac{1}{20}$ (b) $1\frac{9}{12}$ (c) $1\frac{7}{12}$ (d) $1\frac{7}{12}$

14. Subtract: $6\frac{8}{9} - 2\frac{1}{3}$ **14.** _____

(a) $4\frac{5}{9}$ (b) $4\frac{4}{9}$ (c) $4\frac{2}{3}$ (d) $4\frac{1}{2}$

15. Subtract: $57\frac{1}{12} - 28\frac{1}{6}$ **15.** _____

(a) $28\frac{3}{4}$ (b) $29\frac{2}{3}$ (c) $28\frac{5}{6}$ (d) $28\frac{11}{2}$

16. Multiply: $7\frac{3}{8} \times 9\frac{8}{9}$ **16.** _____

(a) $6\frac{2}{9}$ (b) $6\frac{17}{18}$ (c) $7\frac{1}{3}$ (d) $6\frac{5}{9}$

17. Divide: $2\frac{5}{6} \div 12\frac{34}{1}$ **17.** _____

(a) 1 (b) $1\frac{1}{3}$ (c) $1\frac{1}{2}$ (d) $1\frac{1}{6}$

Solve the following application problems.

18. Jack Ennings is a freelancer who works 35 hours a week. He worked $6\frac{1}{12}$ hours on Monday, $7\frac{1}{3}$ hours on Tuesday, $9\frac{1}{4}$ hours on Wednesday, and $4\frac{1}{2}$ hours on Thursday. How many hours should Jack work on Friday? **18.** _____

(a) $9\frac{1}{12}$ (b) $7\frac{5}{6}$ (c) $10\frac{1}{6}$ (d) $8\frac{2}{3}$

19. Julie Fleming owns $90\frac{3}{4}$ acres of land in Arizona. She sells one-third of the land and deeds $\frac{1}{4}$ of the reminder to her son. How many acres of land does she have left? **19.** _____

(a) $15\frac{1}{8}$ (b) $45\frac{3}{8}$ (c) $60\frac{1}{2}$ (d) $7\frac{9}{16}$

20. Don Baker bought 36 shares of one stock for $\$6\frac{3}{4}$ per share and 45 shares of another stock for $\$7\frac{1}{4}$ per share. How much did he pay altogether? **20.** _____

(a) \$303.75 (b) \$504.00 (c) \$569.25 (d) \$630.00

21. A certain fabric costs $\$5\frac{1}{4}$ per yard. How many yards can you buy for \$194.25? **21.** _____

(a) 199 (b) 37 (c) 39 (d) 189

22. Convert .06 to a fraction. **22.** _____

(a) $\frac{3}{5}$ (b) $\frac{4}{50}$ (c) $\frac{3}{50}$ (d) $\frac{3}{500}$

23. Convert .615 to a fraction. **23.** _____

(a) $\frac{123}{500}$ (b) $\frac{615}{10}$ (c) $\frac{121}{200}$ (d) $\frac{123}{200}$

24. Convert $\frac{6}{7}$ to a decimal. Round to the nearest thousandth. **24.** _____

(a) 1.167 (b) 1.1667 (c) .8571 (d) .857

25. Convert $\frac{11}{24}$ to a decimal. Round to the nearest thousandth. **25.** _____

(a) .4583 (b) 2.182 (c) .458 (d) 2.1818

Chapter 2 | **Test Form F** **Name:** _____

For each question, select the letter that corresponds to the correct answer.

1. Write $\frac{177}{354}$ in lowest terms. **1.** _____

(a) $\frac{59}{118}$ (b) $\frac{1}{2}$ (c) $\frac{177}{354}$ (d) 2

2. Write $\frac{345}{600}$ in lowest terms. **2.** _____

(a) $\frac{6}{50}$ (b) $\frac{1}{2}$ (c) $\frac{69}{120}$ (d) $\frac{23}{40}$

3. Write $\frac{72}{192}$ in lowest terms. **3.** _____

(a) $\frac{1}{2}$ (b) $\frac{3}{8}$ (c) $\frac{9}{24}$ (d) $\frac{7}{19}$

4. Convert $\frac{33}{5}$ to a mixed number. Write in lowest terms. **4.** _____

(a) $6\frac{3}{5}$ (b) $6\frac{5}{15}$ (c) $6\frac{5}{3}$ (d) $6\frac{1}{3}$

5. Convert $\frac{258}{36}$ to mixed number. Write in lowest terms. **5.** _____

(a) $7\frac{6}{36}$ (b) $7\frac{1}{6}$ (c) $6\frac{1}{7}$ (d) $1\frac{6}{7}$

6. Convert $\frac{54}{24}$ to mixed number. Write in lowest terms. **6.** _____

(a) $2\frac{1}{4}$ (b) $2\frac{1}{2}$ (c) $2\frac{3}{12}$ (d) 2

7. Convert $6\frac{1}{7}$ to an improper fraction. **7.** _____

(a) 6 (b) $\frac{39}{7}$ (c) $\frac{41}{7}$ (d) $\frac{43}{7}$

8. Convert $34\frac{3}{4}$ to an improper fraction. **8.** _____

(b)

(a) $\frac{136}{4}$ $\frac{139}{4}$ (c) $\frac{106}{3}$ (d) $\frac{106}{4}$

9. Convert $14\frac{7}{8}$ to an improper fraction. **9.** _____

(a) $\frac{112}{8}$ (b) $\frac{121}{8}$ (c) $\frac{115}{8}$ (d) $\frac{119}{8}$

10. Find the LCD for $\frac{3}{14}$ and $\frac{25}{26}$. **10.** _____

(a) 2 (b) 364 (c) 182 (d) 7

11. Find the LCD for $\frac{5}{6}$, $\frac{13}{28}$, and $\frac{24}{25}$. **11.** _____

(a) 420 (b) 2100 (c) 210 (d) 820

12. Find the LCD for $\frac{1}{3}$, $\frac{9}{10}$, and $\frac{5}{12}$. **12.** _____

(a) 60 (b) 150 (c) 30 (d) 300

Solve the following problems.

13. Add: $1\frac{5}{6} + \frac{2}{3} + 12\frac{11}{12}$ **13.** _____

(a) $2\frac{5}{12}$ (b) $3\frac{1}{2}$ (c) $3\frac{7}{12}$ (d) $3\frac{5}{12}$

14. Subtract: $17\frac{1}{6} - 4\frac{2}{3}$ **14.** _____

(a) $13\frac{1}{2}$ (b) $13\frac{1}{3}$ (c) $12\frac{1}{2}$ (d) 13

15. Subtract: $12\frac{13}{15} - 4\frac{5}{6}$ **15.** _____

(a) $8\frac{1}{30}$ (b) $8\frac{3}{10}$ (c) $7\frac{1}{30}$ (d) 8

16. Multiply: $2\frac{1}{7} \times \frac{14}{5}$ **16.** _____

(a) $\frac{209}{35}$ (b) 20 (c) 6 (d) $\frac{75}{98}$

17. Divide: $11\frac{1}{4} \div 3$ **17.** _____

(a) $14\frac{2}{3}$ (b) $\frac{4}{135}$ (c) $3\frac{3}{4}$ (d) $15\frac{4}{7}$

Solve the following application problems.

18. Lisa Evans has a 30-page term paper due on Monday. She wrote $5\frac{1}{6}$ **18.** _____

How many pages must she write on Sunday to complete the assignment?

(a) $7\frac{3}{4}$ (b) $8\frac{2}{3}$ (c) $7\frac{5}{12}$ (d) $8\frac{3}{4}$

19. Charles Franke is building a bookshelf. He has a piece of wood $18\frac{3}{4}$ feet **19.** _____ long. He uses four pieces, each $2\frac{1}{8}$ feet long, for the shelves, and two pieces, each 3 feet long, for the side supports. How much wood is left over?

(a) $14\frac{1}{2}$ feet (b) $13\frac{5}{8}$ feet (c) $7\frac{1}{4}$ feet (d) $4\frac{1}{4}$ feet

20. Elza Wilding bought 48 shares of one stock for $\$15\frac{3}{4}$ per share and **20.** _____ 42 shares of another stock for $\$11\frac{1}{8}$ per share. How much did she pay altogether?

(a) \$1001.25 (b) \$1223.25 (c) \$1128.75 (d) \$1417.50

21. A logger is clearing land and cuts down a tree that is 140 feet long. **21.** _____ He cuts the tree into logs of length $1\frac{1}{4}$ feet. How many logs can he cut?

(a) 175 (b) 35 (c) 112 (d) 560

22. Convert .125 to a fraction. **22.** _____

(a) $\frac{125}{1000}$ (b) $\frac{7}{8}$ (c) $\frac{1}{8}$ (d) $1\frac{1}{4}$

23. Convert .36 to a fraction. **23.** _____

(a) $\frac{9}{25}$ (b) $\frac{3}{5}$ (c) $\frac{2}{5}$ (d) $\frac{8}{25}$

24. Convert $17\frac{7}{7}$ to a decimal. Round to the nearest thousandth. **24.** _____

(a) .4118 (b) .412 (c) 2.429 (d) 2.4286

25. Convert $16\frac{3}{6}$ to a decimal. Round to the nearest thousandth. **25.** _____

(a) 5.33 (b) 5.333 (c) .188 (d) .1875