

DIAGNOSTIC PRETEST, FORM A

BASIC COLLEGE MATHEMATICS

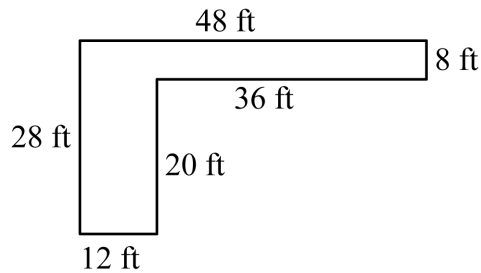
NAME: _____

SECTION: _____

1. Write 957 in words. 1. _____
2. Add.
$$\begin{array}{r} 2987 \\ 6421 \\ 7 \\ 15 \\ + 8703 \\ \hline \end{array}$$
 2. _____
3. Subtract.
$$\begin{array}{r} 3000 \\ - 748 \\ \hline \end{array}$$
 3. _____
4. Divide. $39 \overline{)18,993}$ 4. _____
5. Round 29,513 to the nearest thousand. 5. _____
6. Multiply. $\frac{3}{4} \cdot \frac{3}{5}$ 6. _____
7. Divide. $\frac{2}{9} \div \frac{8}{27}$ 7. _____
8. Divide. $\frac{\frac{1}{8}}{\frac{2}{5}}$ 8. _____
9. Multiply. $3\frac{2}{5} \cdot 4\frac{3}{7}$ 9. _____
10. Divide. $5\frac{3}{5} \div 3\frac{3}{13}$ 10. _____
11. Write $\frac{3}{14}$ with a denominator of 42. 11. _____
12. Add. $\frac{3}{8} + \frac{2}{15}$ 12. _____
13. Subtract. $\frac{3}{4} - \frac{1}{7}$ 13. _____
14. Add. $17\frac{5}{6} + 11\frac{1}{4}$ 14. _____
15. Subtract. $162\frac{1}{2} - 67\frac{7}{8}$ 15. _____
16. Round 0.53927 to the nearest hundredth. 16. _____
17. Add. $5.44 + 3.772 + 9.8$ 17. _____

18. Subtract. $39.8 - 15.821$ 18. _____
19. Divide. $0.8 \overline{)16.08}$ 19. _____
20. Use the order of operations to simplify. $2.56 + (5.3 - 1.9) \cdot 7.1$ 20. _____
21. Write the ratio of 3 yards to 20 feet. 21. _____
22. Write 434 miles on 15.5 gallons of gasoline as a unit rate. 22. _____
23. Is the proportion $\frac{11}{15} = \frac{32}{45}$ true or false? 23. _____
24. Find the unknown number. $\frac{3}{x} = \frac{18}{24}$ 24. _____
25. Find the unknown number. $\frac{45}{21} = \frac{x}{14}$ 25. _____
26. Write $\frac{2}{5}$ as a percent. 26. _____
27. 21 is 5% of what number? 27. _____
28. 75 is what percent of 375? 28. _____
29. Wheaton Jewelers sold a diamond ring for \$702. If the sales tax rate is 6%, how much tax will be added to the price of the ring? 29. _____
30. Find the interest on \$5400 at 10% for two and one-half years. 30. _____
31. Convert 96 km to meters. 31. _____
32. Convert 256 g to kilograms. 32. _____
33. Choose the most reasonable unit for the following.
Use kg, g, or mg. 33. _____
- The weight of an adult male is 80 _____ .
34. Use a conversion table to convert 20 miles to kilometers.
Round to the nearest tenth. 34. _____
35. Use a conversion formula to convert 39°F to Celsius.
Round to the nearest tenth. 35. _____

36. Find the perimeter and area of this figure.



36. _____

37. Find the area of a triangle having height 39 m and base 24 m.

37. _____

38. Find the area of a circle with a radius of 7m.
-
- Use 3.14 as an approximation for
- π
- .

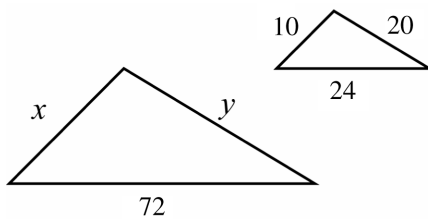
38. _____

39. Find the volume of a cone with a radius of 4 cm and a height of 12 cm. Use 3.14 as an approximation for
- π
- .

39. _____

40. Find the missing lengths in the pair of similar triangles.

40. _____



41. Subtract.
- $-9 - (-8)$

41. _____

42. Multiply.
- $-12 \cdot (-4)$

42. _____

43. Divide.
- $\frac{-105}{-7}$

43. _____

44. Find the value of
- $4x - 6y + z$
- if
- $x = -3$
- ,
- $y = 2$
- , and
- $z = 4$
- .

44. _____

45. Solve this equation.
- $3m - 6 = 4m - 12$

45. _____

For Problems 46 and 47 use the following information.

<i>Monthly Family Budget</i>	
Housing	\$1600
Food	700
Utilities	300
Insurance	600
Miscellaneous	800

46. What percent of the total is spent on food?

46. _____

47. When making a circle graph, how many degrees of the circle would represent miscellaneous?

47. _____

48. Find the weighted mean for the following.
Round the answer to the nearest tenth.

48. _____

<i>Value</i>	<i>Frequency</i>
6	2
7	3
8	1
9	9
10	4
11	2

49. Find the median for the following list of numbers.

49. _____

29, 53, 76, 92, 119, 241, 309

50. Find the mode or modes for the following list of numbers.

50. _____

6, 24, 19, 23, 37, 27, 14, 24

DIAGNOSTIC PRETEST, FORM B

BASIC COLLEGE MATHEMATICS

NAME: _____

SECTION: _____

Choose the best answer.

1. Identify the place value of the 4 and the 2 in the number 643,825. 1. _____
 A. Ten-thousands; tens B. Hundred-thousands; ones
 C. Thousands; tens D. Ten-thousands; hundreds

2. Add. 2. _____

$$\begin{array}{r} 8249 \\ 7 \\ 31 \\ 458 \\ + 9095 \\ \hline \end{array}$$
 A. 17,840 B. 17,870 C. 18,869 D. 17,860

3. Subtract. 3. _____

$$\begin{array}{r} 5010 \\ - 986 \\ \hline \end{array}$$
 A. 926 B. 4926 C. 4034 D. 4024

4. Divide. 4. _____

$$39 \overline{)19,656}$$
 A. 540 B. 535 C. 504 D. 550

5. Round 39,079 to the nearest thousand. 5. _____
 A. 40,000 B. 39,100 C. 39,000 D. 30,080

6. Multiply. 6. _____

$$\frac{2}{7} \cdot \frac{6}{5}$$
 A. $\frac{8}{12}$ B. $\frac{4}{6}$ C. $\frac{12}{35}$ D. $\frac{8}{35}$

7. Divide. 7. _____

$$\frac{3}{11} \div \frac{9}{22}$$
 A. $\frac{2}{3}$ B. $\frac{27}{242}$ C. $\frac{3}{2}$ D. $\frac{242}{27}$

8. Divide. 8. _____

$$\frac{\frac{3}{4}}{\frac{9}{2}}$$
 A. 1 B. $\frac{13}{5}$ C. $\frac{2}{3}$ D. $\frac{1}{6}$

9. Multiply. 9. _____

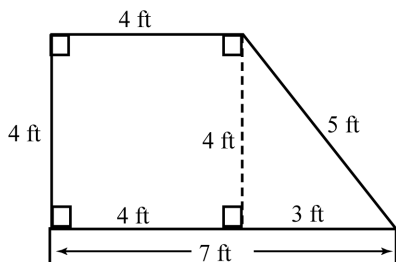
$$3\frac{2}{11} \cdot 4\frac{14}{35}$$
 A. 14 B. $\frac{1}{14}$ C. $12\frac{28}{385}$ D. $12\frac{4}{35}$

10. Divide. $36\frac{1}{4} \div 10\frac{2}{3}$ 10. _____
A. $\frac{128}{435}$ B. $3\frac{51}{128}$ C. $3\frac{7}{8}$ D. $3\frac{1}{2}$
11. Add. $\frac{4}{7} + \frac{3}{4}$ 11. _____
A. $\frac{3}{7}$ B. $\frac{7}{11}$ C. $1\frac{9}{28}$ D. $\frac{12}{37}$
12. Subtract. $\frac{4}{5} - \frac{1}{3}$ 12. _____
A. $1\frac{1}{2}$ B. $\frac{2}{3}$ C. $\frac{7}{15}$ D. $\frac{4}{5}$
13. Write $\frac{6}{35}$ with a denominator of 140. 13. _____
A. $\frac{6}{140}$ B. $\frac{146}{140}$ C. $\frac{10}{140}$ D. $\frac{24}{140}$
14. Add. $2\frac{8}{11} + 3\frac{3}{7}$ 14. _____
A. $5\frac{11}{77}$ B. $6\frac{24}{77}$ C. $5\frac{11}{18}$ D. $6\frac{12}{77}$
15. Subtract. $3\frac{3}{4} - 2\frac{5}{6}$ 15. _____
A. $\frac{11}{12}$ B. $1\frac{1}{12}$ C. 1 D. 2
16. Round 1.28769 to the nearest thousandth. 16. _____
A. 1.287 B. 1.2876 C. 1.288 D. 1.2877
17. Add. $6.41 + 3.997 + 2.6$ 17. _____
A. 12.638 B. 13.007 C. 12.907 D. 12.044
18. Subtract. $41.3 - 16.924$ 18. _____
A. 24.376 B. 24.386 C. 24.366 D. 24.396
19. Divide. $0.24 \overline{)4.224}$ 19. _____
A. 1.76 B. 0.0176 C. 17.6 D. 17.01
20. Use the order of operations to simplify. $5.81 - 3.24 \cdot (5.2 - 4.95)$ 20. _____
A. 15.988 B. 0.6425 C. 6.425 D. 5
21. Write the ratio of 18 inches to $2\frac{1}{2}$ yards. 21. _____
A. $\frac{36}{5}$ B. $\frac{5}{1}$ C. $\frac{1}{5}$ D. $\frac{12}{5}$
22. Write \$46.75 for 17 hours as a unit rate. 22. _____
A. \$46.75 per hour B. \$17.00 per hour
C. \$4.68 per hour D. \$2.75 per hour

23. Which of the following proportions is false? 23. _____
A. $\frac{15}{24} = \frac{10}{16}$ B. $\frac{14}{22} = \frac{21}{33}$ C. $\frac{30}{45} = \frac{100}{150}$ D. $\frac{15}{27} = \frac{12}{18}$
24. Find the unknown number. $\frac{x}{28} = \frac{15}{20}$ 24. _____
A. 12 B. 21 C. 36 D. 63
25. Find the unknown number. $\frac{90}{126} = \frac{35}{x}$ 25. _____
A. 49 B. 7 C. 35 D. 6
26. Write $\frac{5}{8}$ as a percent. 26. _____
A. 60.0% B. 62.5% C. 70.0% D. 82.5%
27. 17 is 8% of what number? 27. _____
A. 1.36 B. 21.25 C. 2.125 D. 212.5
28. 36 is what percent of 288? 28. _____
A. 800% B. 80% C. 12.5% D. 125%
29. If the price of a pair of shoes is \$60.50 and the sales tax is 8%, what is the total cost? 29. _____
A. \$60.58 B. \$65.08 C. \$65.34 D. \$68.50
30. Find the interest on \$800 at 6% for three and one-half years. 30. _____
A. \$48.00 B. \$96.00 C. \$168.00 D. \$144.00
31. Convert 182 g to kilograms. 31. _____
A. 1820 kg B. 18.2 kg C. 1.82 kg D. 0.182 kg
32. Convert 13.6 m to centimeters. 32. _____
A. 136 cm B. 1360 cm C. 13,600 cm D. 136,000 cm
33. Choose the most reasonable unit for the following. 33. _____
The length of my bed is 2.3 _____.
A. km B. m C. cm D. mm
34. Use a conversion table to convert 78 inches to centimeters. Round to the nearest tenth. 34. _____
A. 25.4 B. 30.7 C. 198.1 D. 195.0
35. Use the conversion formula to convert 212 °C to Fahrenheit. Round to the nearest tenth of a degree. 35. _____
A. 100 °F B. 413.6 °F C. 229.8 °F D. 324 °F

36. Find the perimeter and area of the figure.

36. _____



- A. $P = 20$ ft, $A = 28$ ft² B. $P = 15$ ft, $A = 22$ ft²
 C. $P = 22$ ft, $A = 20$ ft² D. $P = 20$ ft, $A = 22$ ft²

37. Find the area of a triangle having height 16 cm and base 20 cm.

37. _____

- A. 36 cm² B. 160 cm² C. 320 cm² D. 72 cm²

38. Find the area of a circle with a radius of 6.4 ft. Use 3.14 as an approximation for
- π
- . Round to the nearest tenth.

38. _____

- A. 12.8 ft² B. 20.1 ft² C. 128.6 ft² D. 514.5 ft²

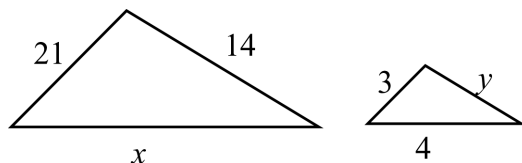
39. Find the volume of a pyramid with a base which is a rectangle with a width of 4 m and a length of 5 m and with a height of 6 m.

39. _____

- A. 40 m³ B. 60 m³ C. 120 m³ D. 240 m³

40. Find the missing lengths in the pair of similar triangles.

40. _____



- A. $x = 28$, $y = 3$ B. $x = 35$, $y = 2$
 C. $x = 28$, $y = 4$ D. $x = 28$, $y = 2$

41. Subtract.
- $-19 - (-7)$

41. _____

- A. -26 B. 26 C. -12 D. 12

42. Multiply.
- $-\frac{3}{4} \cdot (-8)$

42. _____

- A. -6 B. 6 C. -24 D. 24

43. Divide.
- $\frac{-15}{-\frac{3}{5}}$

43. _____

- A. 25 B. -25 C. 9 D. -9

44. Find the value of
- $2x - 5y$
- if
- $x = -4$
- and
- $y = -2$
- .

44. _____

- A. 2 B. -2 C. -18 D. 18

45. Solve this equation.
- $4x - 5 = 7x - 17$

A. -2 B. 2 C. -4 D. 4

45. _____

For Problems 46 and 47 use the following information.

<i>Monthly Family Budget</i>	
Housing	\$1400
Food	600
Utilities	350
Insurance	250
Miscellaneous	1400

46. What percent of the total goes to insurance?

A. 35% B. 8.75% C. 6.25% D. 62.5%

46. _____

47. When making a circle graph, how many degrees of the circle would represent miscellaneous?

A. 31.5° B. 126° C. 54° D. 22.5°

47. _____

48. Find the weighted mean for the following.

48. _____

<i>Value</i>	<i>Frequency</i>
3	1
5	6
7	3

A. 2.0 B. 3.4 C. 5.0 D. 5.4

49. Find the median for the following list of numbers.

49. _____

23, 35, 35, 51, 63, 77, 80

A. 35 B. 51 C. 52 D. 51.5

50. Find the mode or modes for the following list of numbers.

50. _____

16, 21, 35, 43, 21, 31, 64

A. 21 and 33 B. 31 C. 21 D. 33

ANSWERS TO DIAGNOSTIC PRETESTS

DIAGNOSTIC PRETEST ANSWERS, FORM A**Chapter 1**

1. Nine hundred fifty-seven
2. 18,133
3. 2252
4. 487
5. 30,000

Chapter 2

6. $\frac{9}{20}$
7. $\frac{3}{4}$
8. $\frac{5}{16}$
9. $15\frac{2}{35}$
10. $1\frac{11}{15}$

Chapter 3

11. $\frac{9}{42}$
12. $\frac{61}{120}$
13. $\frac{17}{28}$
14. $29\frac{1}{12}$
15. $94\frac{5}{8}$

Chapter 4

16. 0.54
17. 19.012
18. 23.979
19. 20.1

20. 26.7

Chapter 5

21. $\frac{9}{20}$
22. 28 mpg
23. False
24. 4
25. 30

Chapter 6

26. 40%
27. 420
28. 20%
29. \$42.12
30. \$1350

Chapter 7

31. 96,000 m
32. 0.256 kg
33. kg
34. 32.2 km
35. 3.9 °C

Chapter 8

36. $P = 152$ ft;
 $A = 624$ ft²

37. 468 m²

38. 153.86 m²

39. 200.96 cm³

40. $x = 30$; $y = 60$

Chapter 9

41. -1
42. 48
43. 15
44. -20
45. 6

Chapter 10

46. $17\frac{1}{2}\%$
47. 72°
48. 8.8
49. 92
50. 24

DIAGNOSTIC PRETEST ANSWERS, FORM B**Chapter 1**

1. A

2. A

3. D

4. C

5. C

Chapter 2

6. C

7. A

8. D

9. A

10. B

Chapter 3

11. C

12. C

13. D

14. D

15. A

Chapter 4

16. C

17. B

18. A

19. C

20. D

Chapter 5

21. C

22. D

23. D

24. B

25. A

Chapter 6

26. B

27. D

28. C

29. C

30. C

Chapter 7

31. D

32. B

33. B

34. C

35. B

Chapter 8

36. D

37. B

38. C

39. A

40. D

Chapter 9

41. C

42. B

43. A

44. A

45. D

Chapter 10

46. C

47. B

48. D

49. B

50. C

Chapter Test Forms

NAME: _____

SECTION: _____

Write each number in words.

1. 9302

1. _____

2. 74,342

2. _____

3. Use digits to write “seventy-five thousand, one hundred two.”

3. _____

Add.

4. 4029

4. _____

54

+ 902

5. 10,709

5. _____

625

8192

11,010

+ 38

Subtract.

6. 6192

6. _____

- 483

7. 10,072

7. _____

- 7689

Multiply.

8. $12 \times 3 \times 5$

8. _____

9. 75×400

9. _____

10. $(69)(33)$

10. _____

11. 8273

11. _____

$\times 406$

Divide whenever possible.

12. $17 \overline{)43,027}$ 12. _____

13. $\frac{506}{0}$ 13. _____

14. $18,848 \div 32$ 14. _____

15. $190 \overline{)45,600}$ 15. _____

Round as shown.

16. 7049 to the nearest hundred 16. _____

17. 110,983 to the nearest thousand 17. _____

Simplify using the order of operations.

18. $8 + 4^2 \times 2$ 18. _____

19. $21 - 2 \cdot 3^2 + 7\sqrt{49}$ 19. _____

Solve each of the following application problems.

First estimate the answer. Then find the exact answer.

20. Jeremy received two paychecks of \$769 and \$921. After paying \$1125 in bills, how much money does he have left? 20. _____

21. A county fair collects 208 adult tickets at \$6 each and 137 tickets for children at \$4 each. Find the total amount of money collected. 21. _____

22. How long will it take to upgrade 396 computers if 18 computers can be upgraded each day? 22. _____

23. Meghan's credit limit is \$4800. If she uses her credit card to make purchases of \$319, \$65, \$197, and \$951, how much more can she spend before going over the credit limit? 23. _____

24. Explain in your own words the commutative property of multiplication. Give an example showing this property. 24. _____

25. List the divisibility rules for 2 and 10. 25. _____

NAME: _____

SECTION: _____

Write each number in words.

1. 7034

1. _____

2. 92,495

2. _____

3. Use digits to write “forty-two thousand, six hundred two.”

3. _____

Add.

4.
$$\begin{array}{r} 8275 \\ 38 \\ + 712 \\ \hline \end{array}$$

4. _____

5.
$$\begin{array}{r} 90,002 \\ 743 \\ 5918 \\ 9005 \\ + 48 \\ \hline \end{array}$$

5. _____

Subtract.

6.
$$\begin{array}{r} 8273 \\ - 368 \\ \hline \end{array}$$

6. _____

7.
$$\begin{array}{r} 30,042 \\ - 9187 \\ \hline \end{array}$$

7. _____

Multiply.

8. $16 \times 3 \times 7$

8. _____

9. 28×600

9. _____

10. $(82)(47)$

10. _____

11.
$$\begin{array}{r} 9137 \\ \times 206 \\ \hline \end{array}$$

11. _____

Divide whenever possible.

12. $19 \overline{)61,579}$ 12. _____

13. $\frac{528}{1}$ 13. _____

14. $13,416 \div 52$ 14. _____

15. $170 \overline{)59,500}$ 15. _____

Round as shown.

16. 58,249 to the nearest hundred 16. _____

17. 360,972 to the nearest thousand 17. _____

Simplify using the order of operations.

18. $9 + 7^2 \times 2$ 18. _____

19. $(7 - 3)^2 \div 2 - 4 + 8$ 19. _____

Solve each of the following application problems.

First estimate the answer. Then find the exact answer.

20. Misha earns \$183 on Monday, \$94 on Tuesday, and \$411 on Wednesday. She spends \$309 Thursday. How much money does she have left? 20. _____

21. A school buys 12 printers at \$429 each, and 7 computers at \$945 each. How much was spent altogether? 21. _____

22. Marni is planning a cross-country trip of 2925 miles. If she drives 325 miles a day, how many days will it take to complete the trip? 22. _____

23. The list price of a motorcycle is \$21,830. Find the sale price after a dealer's discount of \$1360, a manufacturer's rebate of \$2000, and a manager's special discount of \$810. 23. _____

24. Explain in your own words the associative property of multiplication. Give an example showing this property. 24. _____

25. List the four steps in the order of operations. 25. _____

NAME: _____

SECTION: _____

Write each number in words.

1. 3098

1. _____

2. 47,526

2. _____

3. Use digits to write “seventy-three thousand, thirty-two.”

3. _____

Add.

4.
$$\begin{array}{r} 7153 \\ 28 \\ + 495 \\ \hline \end{array}$$

4. _____

5.
$$\begin{array}{r} 31,004 \\ 27 \\ 193 \\ 4532 \\ + 10,103 \\ \hline \end{array}$$

5. _____

Subtract.

6.
$$\begin{array}{r} 7853 \\ - 976 \\ \hline \end{array}$$

6. _____

7.
$$\begin{array}{r} 41,012 \\ - 8437 \\ \hline \end{array}$$

7. _____

Multiply.

8. $9 \times 13 \times 3$

8. _____

9. 85×400

9. _____

10. $(29)(84)$

10. _____

11.
$$\begin{array}{r} 4056 \\ \times 304 \\ \hline \end{array}$$

11. _____

Divide whenever possible.

12. $17 \overline{)80,053}$ 12. _____

13. $\frac{413}{0}$ 13. _____

14. $13,862 \div 29$ 14. _____

15. $130 \overline{)81,900}$ 15. _____

Round as shown.

16. 5849 to the nearest hundred 16. _____

17. 49,578 to the nearest thousand 17. _____

Simplify using the order of operations.

18. $4 \times 3^3 - 9$ 18. _____

19. $19 - 5 \cdot \sqrt{9} + 3^2 \cdot 7$ 19. _____

Solve each of the following application problems.

First estimate the answer. Then find the exact answer.

20. Maria receives two paychecks of \$678 and \$664. After paying \$842 in bills, how much money does she have left? 20. _____

21. A demolition derby collects 174 adult tickets at \$9 each and 89 tickets for children at \$4 each. Find the total amount of money collected. 21. _____

22. How long will it take to assemble 416 chairs if 16 chairs can be assembled each day? 22. _____

23. Kevin's credit limit is \$2800. If he uses his credit card to make purchases of \$240, \$156, \$61, and \$715, how much more can he spend before going over the credit limit? 23. _____

24. Explain in your own words the commutative property of multiplication. Give an example showing this property. 24. _____

25. List the divisibility rules for 2 and 3. 25. _____

NAME: _____

SECTION: _____

Write each number in words.

1. 9610

1. _____

2. 35,312

2. _____

3. Use digits to write “seventy-one thousand, five.”

3. _____

Add.

4. 5273

4. _____

816

$+ 94$

5. 7015

5. _____

326

10,047

31

$+ 2563$

Subtract.

6. 6196

6. _____

$- 677$

7. 40,016

7. _____

$- 7209$

Multiply.

8. $12 \times 4 \times 7$

8. _____

9. 45×300

9. _____

10. $(47)(93)$

10. _____

11. 3925

11. _____

$\times 704$

Divide whenever possible.

12. $19 \overline{)54,644}$ 12. _____

13. $\frac{0}{1}$ 13. _____

14. $19,476 \div 36$ 14. _____

15. $230 \overline{)94,300}$ 15. _____

Round as shown.

16. 10,481 to the nearest hundred 16. _____

17. 751,834 to the nearest thousand 17. _____

Simplify using the order of operations.

18. $5 + 6^2 \times 2$ 18. _____

19. $16 \cdot \sqrt{25} - 3 \cdot 2^3 + 1$ 19. _____

Solve each of the following application problems.

First estimate the answer. Then find the exact answer.

20. Vincent earns \$258 on Monday, \$105 on Tuesday, and \$312 on Wednesday. He spends \$299 on Thursday. How much money does he have left? 20. _____

21. A college buys 15 printers at \$389 each and 8 computers at \$937 each. How much was spent altogether? 21. _____

22. Lisa is planning to take a 1854-mile road trip. If she drives 206 miles a day, how many days will it take to complete the trip? 22. _____

23. The list price of a car is \$17,250. Find the sale price after the manufacturer's rebate of \$2500, the dealer's discount of \$1250, and the manager's special discount of \$850. 23. _____

24. Explain in your own words the associative property of addition. Give an example showing this property. 24. _____

25. Explain how to multiply whole numbers by 10, 100, or 1000. 25. _____

NAME: _____

SECTION: _____

Write each number in words.

1. 4207

1. _____

2. 39,205

2. _____

3. Use digits to write “eighty-two thousand, seven.”

3. _____

Add.

4. 8792

4. _____

357

$$+ \underline{98}$$

5. 4601

5. _____

279

43

12,212

$$+ \underline{4948}$$

Subtract.

6. 6134

6. _____

$$- \underline{765}$$

7. 20,301

7. _____

$$- \underline{8942}$$

Multiply.

8. $5 \times 7 \times 9$

8. _____

9. 39×400

9. _____

10. $(82)(47)$

10. _____

11. 2907

11. _____

$$\times \underline{506}$$