

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Evaluate.

- 1) 4^5 1) _____
A) 1024 B) 4096 C) 20 D) 625

Multiply.

- 2) 2) _____
$$\begin{array}{r} 2630 \\ \times 456 \\ \hline \end{array}$$

A) 1,198,280 B) 1,209,280 C) 1,199,280 D) 1,199,380

Round as indicated.

- 3) 4012 to the nearest hundred 3) _____
A) 4000 B) 3900 C) 4100 D) 4010

Add.

- 4) $2123 + 2414$ 4) _____
A) 4735 B) 4468 C) 4537 D) 4564

Solve the problem.

- 5) Mr. and Mrs. Gutierrez borrow \$6000 to buy a new car. The loan is to be paid off in 30 monthly payments. How much is each payment? 5) _____
A) \$200 B) \$6030 C) \$5970 D) \$20

Solve.

- 6) $z = 20 \cdot 71$ 6) _____
A) 91 B) 142,000 C) 1420 D) 14,200

Use the given table or graph to write the inequality described.

7)

7) _____

| Lunch items | Calories | Grams of fat |
|----------------------|----------|--------------|
| 1 glass of milk (2%) | 120 | 5 |
| Tuna salad | 350 | 22 |
| 1 apple | 80 | 1 |
| 1 bagel | 165 | 1 |
| Bowl of soup | 155 | 3 |

Use an inequality to compare the number of calories in an apple and a bagel.

- A) $80 < 155$ B) $155 < 165$ C) $80 > 165$ D) $80 < 165$

Solve the problem.

8) A travel agent arranged a payment plan for a client. It required a down payment of \$250 and 15 monthly payments of \$582. What was the total cost of the plan?

8) _____

- A) \$8980 B) \$8880 C) \$8730 D) \$8830

Estimate by rounding as indicated.

9) Lisa stashed in an envelope on her dresser \$382 each week for 3 weeks. Estimate the total amount she saved by rounding the weekly amount to the nearest hundred. Also find the exact amount she saved.

9) _____

- A) Estimate: \$1140; exact: \$1146 B) Estimate: \$1140; exact: \$1140
C) Estimate: \$1200; exact: \$1146 D) Estimate: \$1200; exact: \$1140

Determine whether the number is prime, composite, or neither.

10) 1

10) _____

- A) Composite B) Neither C) Prime

Multiply.

11) $25 \times \frac{3}{7}$

11) _____

- A) $\frac{75}{175}$ B) $\frac{28}{7}$ C) $\frac{3}{175}$ D) $\frac{75}{7}$

Determine whether the first number is divisible by the second number.

12) 69; 9

12) _____

- A) Yes B) No

Solve.

- 13) A bag of chips is 24 ounces. A serving size is $\frac{3}{4}$ ounce. How many servings are in the bag of chips? 13) _____
- A) 32 servings B) $6\frac{3}{4}$ servings C) 18 servings D) $9\frac{1}{3}$ servings

Multiply.

- 14) $\frac{5}{7} \cdot 1$ 14) _____
- A) $\frac{5}{7}$ B) 1 C) $\frac{6}{8}$ D) $\frac{6}{7}$

- 15) $\frac{3}{7} \cdot \frac{3}{5}$ 15) _____
- A) $\frac{3}{35}$ B) $\frac{9}{35}$ C) $\frac{1}{35}$ D) $\frac{6}{12}$

Solve.

- 16) Julia preheated her oven for 13 minutes. What fraction of an hour was this? (1 hour = 60 min) 16) _____
- A) $\frac{13}{60}$ hr B) $\frac{12}{60}$ hr C) $\frac{13}{18}$ hr D) $\frac{60}{13}$ hr

Multiply and simplify.

- 17) $\frac{1}{8} \cdot 240$ 17) _____
- A) $\frac{240}{1920}$ B) 30 C) 3 D) $\frac{240}{8}$

Solve. Write a mixed numeral for the answer.

- 18) The weight of a certain gas is $4\frac{1}{2}$ kg per cubic meter. How many cubic meters would be occupied 18) _____
by 90 kg of the gas?
- A) $\frac{1}{20}$ cu m B) 20 cu m C) 4050 cu m D) $22\frac{1}{2}$ cu m

Add and simplify.

- 19) $\frac{5}{10} + \frac{5}{10}$ 19) _____
- A) $\frac{10}{10}$ B) $\frac{10}{20}$ C) 1 D) $\frac{1}{2}$

Estimate the value as a whole number or as a mixed numeral where the fractional part is $\frac{1}{2}$.

20) $6\frac{1}{7}$

20) _____

A) 6

B) 7

C) $6\frac{1}{2}$

D) 8

Solve.

21) A recipe calls for $\frac{1}{11}$ L of water and $\frac{5}{11}$ L of milk. If the recipe is doubled, how much liquid will be needed?

21) _____

A) $\frac{3}{11}$ L

B) $\frac{12}{11}$ L

C) $\frac{6}{11}$ L

D) $\frac{10}{11}$ L

Add. Write a mixed numeral for the answer.

22) $6\frac{4}{5}$

22) _____

$20\frac{1}{5}$

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

A) $34\frac{3}{5}$

B) $32\frac{3}{5}$

C) 33

D) $33\frac{3}{5}$

Find the average of the set of numbers.

23) $6\frac{2}{4}$ and $19\frac{7}{8}$

23) _____

A) $11\frac{5}{8}$

B) $23\frac{1}{4}$

C) $13\frac{3}{16}$

D) $26\frac{3}{8}$

Add. Write a mixed numeral for the answer.

24) $5\frac{1}{4} + 5\frac{3}{8} + 3\frac{5}{12}$

24) _____

A) $13\frac{1}{24}$

B) $14\frac{1}{24}$

C) $14\frac{1}{96}$

D) $13\frac{3}{8}$

Calculate.

25) $100.75 \div 3\frac{1}{4}$

25) _____

A) 35.18

B) 41

C) 30.77

D) 31

Write a word name for the given decimal notation.

26) 9.87

26) _____

A) Nine and eighty-seven thousandths

B) Nine and eighty-seven millionths

C) Nine and eighty-seven tenths

D) Nine and eighty-seven hundredths

Estimate by rounding as directed.

27) $40.401 + 0.582 + 79.99$; nearest tenth

27) _____

A) 121.3

B) 120.1

C) 121.0

D) 120.8

Calculate.

28) $7.78 + 3\frac{3}{5}$

28) _____

A) 11.08

B) 7.78

C) 11.38

D) 11.3

Write as a decimal number rounded as indicated.

29) $\frac{8}{15}$; Round to the nearest tenth.

29) _____

A) 0.4

B) 0.3

C) 0.5

D) 0.6

Write a word name for the given decimal notation.

30) 6.00374

30) _____

A) Six and three hundred seventy-four millionths

B) Six and three hundred seventy-four thousandths

C) Six and three hundred seventy-four tenths

D) Six and three hundred seventy-four hundred-thousandths

Solve. Give your answer as a mixed number if appropriate.

31) $\frac{60}{10} = \frac{12}{n}$

31) _____

A) 6

B) 12

C) 5

D) 2

Use a proportion to solve the problem.

32) The ratio of the distances a 7-iron and a 5-iron will drive a golf ball is 5 to 6. If a golfer averages 115 yards with a 7-iron, how far should he average with a 5-iron?

32) _____

A) 96 yd

B) 126 yd

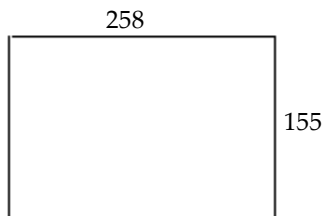
C) 104 yd

D) 138 yd

Find fractional notation for the ratio. You need not simplify.

33) In this rectangle, find the ratios of length to width and of width to length.

33) _____



A) $\frac{155}{258}, \frac{103}{155}$

B) $\frac{258}{155}, \frac{155}{258}$

C) $\frac{103}{155}, \frac{155}{258}$

D) $\frac{155}{258}, \frac{258}{155}$

Solve. Give your answer as a mixed number if appropriate.

- 34) $\frac{21}{24} = \frac{n}{56}$ 34) _____
A) $49\frac{2}{3}$ B) 49 C) $49\frac{1}{2}$ D) $49\frac{1}{4}$

Determine which purchase has the lower unit price.

- 35) Brand X: 20 oz for \$8.20 35) _____
Brand Y: 15 oz for \$6.00
A) Brand X B) Not enough information
C) Equal value D) Brand Y

- 36) Brand A: 10 cans for \$3.55 36) _____
Brand B: 16 cans for \$5.01
Brand C: 26 cans for \$7.46
Brand D: 34 cans for \$10.10
A) Brand A B) Brand D C) Brand B D) Brand C

Solve the problem. Round your answer to the nearest cent.

- 37) Kaitlyn borrowed \$16,000 from her mother to buy a car. She will repay the loan at the end of 4 years at 7% interest compounded annually. Find the amount she will repay. 37) _____
A) \$20,972.74 B) \$68,480.00 C) \$4972.74 D) \$23,070.01

Find the simple interest. Round your answer to the nearest cent.

- 38) Principal = \$900 38) _____
Interest Rate = $7\frac{1}{4}\%$
Time in months = 14
A) \$36.75 B) \$76.12 C) \$761.25 D) \$913.50

Solve the problem. Round your answer to the nearest cent.

- 39) Andrea Gilford's savings account has a balance of \$2395. After 3 years, what will the amount of interest be at 12% compounded quarterly? 39) _____
A) \$1010.70 B) \$1019.70 C) \$143.70 D) \$1024.70

Translate to a proportion and solve.

- 40) What percent of 24 is 16? 40) _____
A) 150% B) $66\frac{2}{3}\%$ C) $33\frac{1}{3}\%$ D) 65%

Solve the problem.

- 41) In Little League, Andrew hit 5 home runs in 25 at bats. What percent of the at bats were home runs? 41) _____
A) 30% B) 25% C) 20% D) 18%

The following table contains information about moons orbiting a planet named Geo I. Use the table to solve the problem.

44)

44) _____

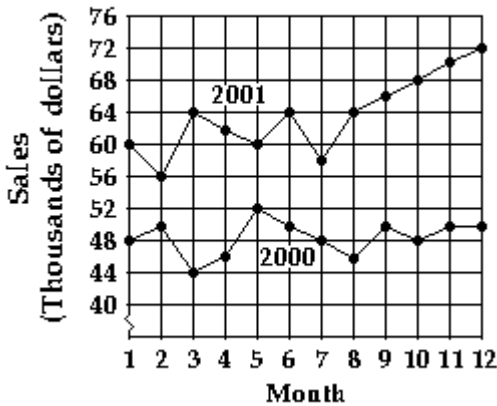
| Moon | Average Distance from Geo I (km) | Diameter (km) | Time of Revolution (in Earth time, years) |
|--------|----------------------------------|---------------|-------------------------------------------|
| Luna 1 | 2000 | 418 | 0.50 |
| Luna 2 | 2600 | 2184 | 1.54 |
| Luna 3 | 50,000 | 310 | 2.72 |
| Luna 4 | 72,000 | 728 | 24.35 |
| Luna 5 | 165,000 | 1146 | 62.70 |

What is the average time of revolution of the moons?

- A) 957.20 years B) 1.54 years C) 2.72 years D) 18.36 years

Use the graph to answer the question.

Big "D" Sales (2000 - 2001)



45) Which month in 2001 had the highest sales?

45) _____

- A) Month 12 B) Month 6 C) Month 3 D) Month 5

The following table contains information about moons orbiting a planet named Geo I. Use the table to solve the problem.

46)

46) _____

| Moon | Average Distance from Geo I (km) | Diameter (km) | Time of Revolution (in Earth time, years) |
|--------|----------------------------------|---------------|-------------------------------------------|
| Luna 1 | 2000 | 414 | 0.50 |
| Luna 2 | 2600 | 2166 | 1.54 |
| Luna 3 | 80,000 | 308 | 2.72 |
| Luna 4 | 115,200 | 722 | 38.96 |
| Luna 5 | 264,000 | 1136 | 100.32 |

Which moon has a diameter of 308 kilometers?

- A) Luna 4 B) Luna 3 C) Luna 2 D) Luna 1

Complete.

47) 19 hr = ___sec

A) 6840

B) 68,400

C) 114,000

D) 1140

47) _____

Convert to Fahrenheit. Use the formula $F = \frac{9}{5}C + 32$ or $F = 1.8C + 32$. Round your answer to the nearest tenth if necessary.

48) 70°C

A) 132.4°F

B) 70.5°F

C) 183.6°F

D) 158°F

48) _____

Use the following information to fill in the blank: 5 mL \approx 1 tsp, 3 tsp = 1 T.

49) 21 T = ___mL

A) 1.4

B) 105

C) 315

D) 4.2

49) _____

Complete.

50) 0.931 mL = ___L

A) 0.00931

B) 93.1

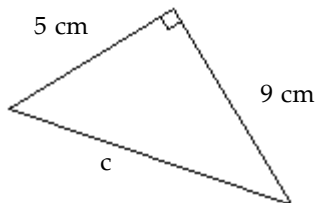
C) 931

D) 0.000931

50) _____

Find the length of the third side of the right triangle. Give an exact answer and, where appropriate, an approximation to three decimal places.

51)



51) _____

A) $c = 14$ cm

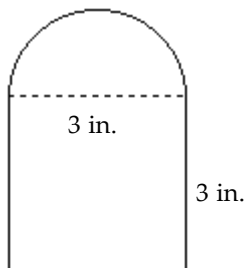
B) $c = \sqrt{56}$ cm; $c \approx 7.483$ cm

C) $c = \sqrt{66}$ cm; $c \approx 8.124$ cm

D) $c = \sqrt{106}$ cm; $c \approx 10.296$ cm

Find the perimeter. Use 3.14 for π .

52)



52) _____

A) 18.42 in.

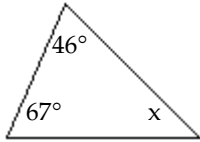
B) 13.71 in.

C) 21.42 in.

D) 16.71 in.

Find the missing angle measure.

53)



53) _____

A) 67°

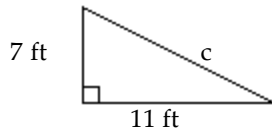
B) 113°

C) 23°

D) 46°

Find the length of the third side of the right triangle. Give an exact answer and, where appropriate, an approximation to three decimal places.

54)



54) _____

A) $c = \sqrt{170}$ ft; $c = 85.0$ ft

B) $c = 170$ ft

C) $c = \sqrt{60}$ ft; $c \approx 7.746$ ft

D) $c = \sqrt{170}$ ft; $c \approx 13.038$ ft

Solve the problem.

55) By switching service providers, a family's telephone bill decreased from about \$50 a month to about \$47. What was the percent of decrease?

55) _____

A) -7%

B) 6%

C) 6.4%

D) -6%

Multiply.

56) $2.2 \cdot (-7.26)$

56) _____

A) -15.972

B) 9.56

C) -5.06

D) 9.46

Find the reciprocal.

57) $\frac{11}{10}$

57) _____

A) -10

B) $-\frac{11}{10}$

C) $\frac{10}{11}$

D) $-\frac{10}{11}$

Multiply.

58) $-6 \cdot (-0.6) \cdot 4$

58) _____

A) -14.4

B) 144

C) 14.4

D) -144

Solve.

59) $9y - 10 = 54 + y$

59) _____

A) $\frac{32}{5}$

B) $\frac{22}{5}$

C) 8

D) $\frac{11}{2}$

Solve using the multiplication principle.

60) $-6.2m = -49.6$

A) 41.6

B) 43.4

C) $\frac{1}{8}$

D) 8

60) _____

Multiply.

61) $5(x + 4 + 6y)$

A) $5x + 20 + 6y$

B) $x + 20 + 30y$

C) $5x + 4 + 6y$

D) $5x + 20 + 30y$

61) _____

Write two related subtraction sentences.

62) $9 + 21 = 30$

A) $31 - 10 = 21$ and $31 - 22 = 9$

B) $29 - 8 = 21$ and $29 - 20 = 9$

C) $30 - 9 = 21$ and $30 - 21 = 9$

D) $30 - 30 = 0$ and $-30 - (-30) = 0$

62) _____

Subtract.

63)
$$\begin{array}{r} 787 \\ - 341 \\ \hline \end{array}$$

A) 444

B) 346

C) 446

D) 1128

63) _____

Simplify.

64) $80 - (27 - 8)$

A) 53

B) 61

C) 19

D) 45

64) _____

Solve.

65) A company has 37,800 employees. Of these, $\frac{1}{4}$ drive alone to work, $\frac{1}{5}$ car pool, $\frac{1}{6}$ use public transportation, $\frac{1}{8}$ cycle, and the remainder use other methods of transportation. How many employees use each method of transportation?

A) Drive alone: 945; car pool: 7560; public transportation: 6300; cycle: 4725; other: 9765

B) Drive alone: 9450; car pool: 7560; public transportation: 6300; cycle: 4725; other: 4725

C) Drive alone: 9550; car pool: 7560; public transportation: 6200; cycle: 4725; other: 1000

D) Drive alone: 9450; car pool: 7560; public transportation: 6300; cycle: 4725; other: 9765

65) _____

Determine whether the number is prime, composite, or neither.

66) 11

A) Neither

B) Prime

C) Composite

66) _____

Solve and simplify.

67) $\frac{9}{5} \cdot x = 144$

67) _____

A) 80

B) 259

C) 144

D) 21

Estimate the value as a whole number or as a mixed numeral where the fractional part is $\frac{1}{2}$.

68) $\frac{4}{5} + \frac{7}{13} + \frac{10}{19}$

68) _____

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

B) 2

C) 3

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

Divide. Write a mixed numeral for the answer.

69) $8 \overline{)9036}$

69) _____

A) $1128\frac{3}{8}$

B) $1129\frac{3}{8}$

C) $1128\frac{1}{2}$

D) $1129\frac{1}{2}$

Use < or > for \square to write a true sentence.

70) $\frac{14}{11} \square \frac{19}{13}$

70) _____

A) <

B) >

Divide.

71) $3.6 \div 0.04$

71) _____

A) 9

B) 0.9

C) 90

D) 0.09

Round to the indicated place value.

72) Round to the nearest hundredth: 0.7013

72) _____

A) 0.701

B) 0.7013

C) 0.71

D) 0.70

Use a proportion to solve the problem.

73) When a pole $9\frac{1}{2}$ ft high casts a shadow 1 ft long, how long a shadow is cast by a tree 38 ft tall?

73) _____

A) 4 ft

B) 5 ft

C) $4\frac{1}{2}$ ft

D) $5\frac{1}{4}$ ft

74) On a map of the Thunderbird Country Club golf course, 2.5 inches represent 60 yards. How long is the 18th hole if the map shows 15.5 inches?

74) _____

A) 9.7 yd

B) 372 yd

C) 2325 yd

D) 930 yd

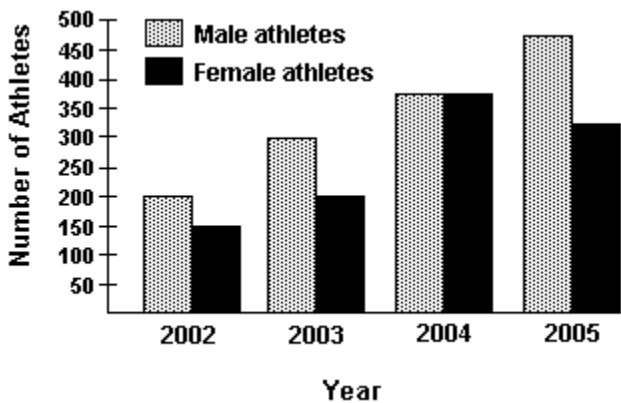
Solve the problem.

- 75) Suppose that during the 1990s, the population of a certain country was increasing by 2.1% each year. If the population at the end of 1993 was 6.8 million, what was the population at the end of 1996? Round your answer to the nearest hundredth of a million. 75) _____
- A) 7.23 million B) 7.24 million C) 7.09 million D) 6.94 million

Find decimal notation.

- 76) $99\frac{3}{8}\%$ 76) _____
- A) 9937.5 B) 9.9375 C) 0.99375 D) 0.099375

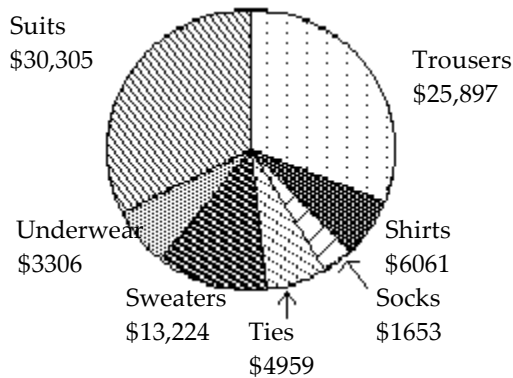
Refer to the double-bar graph below which shows the number of male and female athletes at a university over a four-year period. Solve the problem.



- 77) In which year did the greatest difference between the number of male athlete and female athletes occur? Find the difference. 77) _____
- A) 2005; 100 athletes B) 2005; 150 athletes
 C) 2003; 100 athletes D) 2005; 200 athletes

Use the circle graph to solve the problem.

- 78) The circle graph below gives the inventory of the men's department of a store. 78) _____



- In which item of apparel does the store have the smallest investment?
- A) Suits B) Shirts C) Underwear D) Socks

Solve.

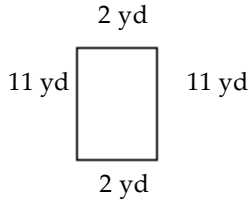
- 79) Today is Kurt's 57th birthday. How many months has he been alive? 79) _____
A) 685 mo B) 570 mo C) 513 mo D) 684 mo

Complete.

- 80) 120 hr = ___ days 80) _____
A) 60 B) 5 C) 40 D) 35

Find the perimeter of the polygon.

- 81) 81) _____



- A) 13 yd B) 8 yd C) 26 yd D) 18 yd

Solve the problem.

- 82) On January 5, the temperature at a camp site near the arctic circle was 5° Fahrenheit. The temperature dropped 2° F per day for 9 days. What was the temperature on January 14th? 82) _____
A) 13° B) -14° C) 14° D) -13°

Collect like terms.

- 83) $10x - 7y + 13 - 3x - 7 - 4y$ 83) _____
A) $-7x - 3y + 6$ B) $7x - 3y + 6$ C) $-7x - 11y + 6$ D) $7x - 11y + 6$

Simplify.

- 84) $27(16 - 4 \cdot 3)^2 \div (3 \cdot 9)$ 84) _____
A) 4 B) 1296 C) 16 D) 36

Find the reciprocal.

- 85) $\frac{7}{8}$ 85) _____
A) $\frac{8}{7}$ B) $\frac{1}{7}$ C) 8 D) $\frac{8}{1}$

Solve. Write a mixed numeral for the answer.

- 86) Peter must practice the piano $9\frac{1}{4}$ hours per week. He has already practiced $4\frac{1}{2}$ hours. How many more hours does he need to practice? 86) _____
A) 4 hr B) $3\frac{3}{4}$ hr C) $4\frac{3}{4}$ hr D) $5\frac{3}{4}$ hr

Solve the problem.

- 87) A grocer sold 29 bags of potatoes for \$1.35 each. What was the total amount of the sale? 87) _____
- A) \$40.25 B) \$39.15 C) \$39.25 D) \$39.16

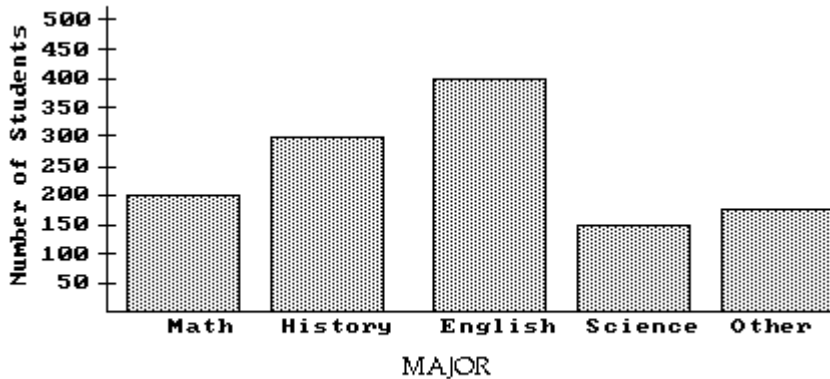
Solve. Give your answer as a mixed number if appropriate.

- 88) $\frac{x}{22} = \frac{8}{11}$ 88) _____
- A) 32 B) 4 C) 16 D) $30\frac{1}{4}$

Translate to a proportion and solve.

- 89) What is $4\frac{1}{4}\%$ of \$117,800? 89) _____
- Round to the nearest whole number.
- A) 50,070 B) 294,500 C) 5007 D) 2,945,000

The bar graph below shows the number of students by major in the College of Arts and Sciences. Answer the question.



- 90) The science department is planning to buy some new equipment. They want to make sure that there is one of the new machines for every 5 students majoring in science. If each machine costs \$700, how much should they budget for the new equipment? 90) _____
- A) \$24,500 B) \$17,500 C) \$21,000 D) \$28,000

Convert to Celsius. Use the formula $C = \frac{5}{9}(F - 32)$ or $C = \frac{F - 32}{1.8}$. Round your answer to the nearest tenth if necessary.

- 91) 24°F 91) _____
- A) 11.2°C B) 75.2°C C) 18.7°C D) -4.4°C

Approximate to three decimal places.

- 92) $\sqrt{600}$ 92) _____
- A) 24.495 B) 24.494 C) 24.485 D) 24.496

Insert < or > to make the statement true.

93) -7.3 ___ 8.2

A) $-7.3 < 8.2$

B) $-7.3 > 8.2$

93) _____

Solve using the addition principle.

94) $m + \frac{3}{4} = -\frac{11}{12}$

A) $-\frac{11}{9}$

B) $\frac{5}{3}$

C) $-\frac{5}{3}$

D) $-\frac{1}{6}$

94) _____

Subtract.

95) $\begin{array}{r} 79 \\ - 52 \\ \hline \end{array}$

A) 131

B) 23

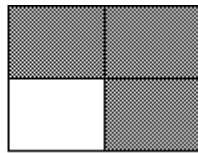
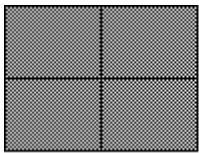
C) 67

D) 27

95) _____

What part of the object or set of objects is shaded?

96)



A) $\frac{7}{8}$

B) $\frac{7}{4}$

C) $\frac{1}{7}$

D) $\frac{7}{1}$

96) _____

Multiply. Write a mixed numeral for the answer.

97) $4\frac{1}{9} \cdot 1\frac{5}{9}$

A) $6\frac{32}{81}$

B) $6\frac{23}{81}$

C) $4\frac{5}{9}$

D) $4\frac{5}{81}$

97) _____

Divide the following numbers.

98) $45 \overline{)661.5}$

A) 15.7

B) 147

C) 157

D) 14.7

98) _____

Determine whether the two pairs of numbers are proportional.

99) 12.56, 3.14 and 3.14, 0.785

A) No

B) Yes

99) _____

Translate to an equation and solve.

100) What is $4\frac{1}{2}\%$ of \$61,200?

Round to the nearest whole number.

A) 27,540

B) 1,530,000

C) 2754

D) 153,000

100) _____

Answer Key

Testname: ELEMENTARY ALGEBRA TEST 1

- 1) A
Objective: (1.9) b: Evaluate Exponential Notation
- 2) C
Objective: (1.5) a: Multiply Whole Numbers (Multi-Digit)
- 3) A
Objective: (1.4) a: Round to Nearest Ten/Hundred
- 4) C
Objective: (1.2) a: Add Two Whole Numbers (Horizontal)
- 5) A
Objective: (1.8) a: Solve Apps: Multiplication/Division of
- 6) C
Objective: (1.7) b: Solve Simple Equation (Variable Alone)
- 7) D
Objective: (1.4) c: Solve Apps: Ordering Whole Numbers
- 8) A
Objective: (1.8) a: Solve Apps: Multiplication/Division of
- 9) C
Objective: (1.5) b: Solve Apps: Estimate Product by
- 10) B
Objective: (2.1) c: Decide If Number Is Prime, Composite,
- 11) D
Objective: (2.4) a: Multiply Whole Number and Fraction
- 12) B
Objective: (2.1) b: Decide if One Number is Divisible by
- 13) A
Objective: (2.7) d: Solve Apps: Divide Fractions and
- 14) A
Objective: (2.4) a: Multiply Whole Number and Fraction
- 15) B
Objective: (2.4) b: Multiply Fractions
- 16) A
Objective: (2.4) c: Solve Apps: Multiply Fractions
- 17) B
Objective: (2.6) a: Multiply Whole Number and Fraction
- 18) B
Objective: (3.6) c: Solve Apps: Divide Using Mixed
- 19) C
Objective: (3.2) a: Add Two Fractions with Like
- 20) A
Objective: (3.7) b: Estimate Using Mixed Numeral
- 21) B
Objective: (3.2) b: Solve Apps: Add Fractions
- 22) D
Objective: (3.5) a: Add Three Mixed Numerals
- 23) C
Objective: (3.7) a: Find Average of Numbers in Fractional
- 24) B
Objective: (3.5) a: Add Three Mixed Numerals
- 25) D
Objective: (4.5) c: Multiply/Divide Fraction and Decimal
- 26) D
Objective: (4.1) a: Write Word Name Given Decimal
- 27) C
Objective: (4.6) a: Estimate Sum by Rounding to Specified
- 28) C
Objective: (4.5) c: Add/Subtract Fraction and Decimal
- 29) C
Objective: (4.5) b: Convert Fraction to Repeating Decimal
- 30) D
Objective: (4.1) a: Write Word Name Given Decimal
- 31) D
Objective: (5.3) b: Solve Proportion (Whole Numbers)
- 32) D
Objective: (5.4) a: Solve Apps: Solve Proportion I
- 33) B
Objective: (5.1) a: Solve Apps: Find Fraction Notation for
- 34) B
Objective: (5.3) b: Solve Proportion (Whole Numbers)
- 35) D
Objective: (5.2) b: Determine Which Purchase Has Lower
- 36) D
Objective: (5.2) b: Determine Which Purchase Has Lower
- 37) A
Objective: (6.7) b: Solve Apps: Compound Interest
- 38) B
Objective: (6.7) a: Find Simple Interest
- 39) B
Objective: (6.7) b: Solve Apps: Compound Interest
- 40) B
Objective: (6.4) b: Solve Percent Problem for Percent
- 41) C
Objective: (6.5) a: Solve Apps: Solve Percent Problem for
- 42) A
Objective: (7.2) b: Read and Interpret Pictograph
- 43) A
Objective: (7.1) a: Find Grade Point Average
- 44) D
Objective: (7.2) a: Read and Interpret Table
- 45) A
Objective: (7.3) c: Read and Interpret Line Graph
- 46) B
Objective: (7.2) a: Read and Interpret Table

Answer Key

Testname: ELEMENTARY ALGEBRA TEST 1

- 47) B
Objective: (8.6) a: Convert Between Units of Time
- 48) D
Objective: (8.6) b: Convert from Celsius to Fahrenheit
- 49) C
Objective: (8.5) b: Convert Between Teaspoon,
- 50) D
Objective: (8.5) a: Convert Between Metric Units of
- 51) D
Objective: (9.6) c: Use Pythagorean Theorem (Picture
- 52) B
Objective: (9.3) d: Find Perimeter of Composite Figure
- 53) A
Objective: (9.5) e: Find Missing Angle Measure
- 54) D
Objective: (9.6) c: Use Pythagorean Theorem (Picture
- 55) D
Objective: (10.5) d: Solve Apps: Multiplication and
- 56) A
Objective: (10.4) a: Multiply Signed Decimals
- 57) C
Objective: (10.5) b: Find Reciprocal of Real Number
- 58) C
Objective: (10.4) a: Multiply Signed Decimals
- 59) C
Objective: (11.4) b: Solve Equation by Collecting Like
- 60) D
Objective: (11.3) a: Solve Equation Using Multiplication
- 61) D
Objective: (11.1) b: Use Distributive Laws to Multiply
- 62) C
Objective: (1.3) a: Write Subtraction Sentence Given
- 63) C
Objective: (1.3) b: Subtract Whole Numbers (No
- 64) B
Objective: (1.9) c: Use Order of Operations (Parentheses)
- 65) D
Objective: (2.6) b: Solve Apps: Multiply Fractions and
- 66) B
Objective: (2.1) c: Decide If Number Is Prime, Composite,
- 67) A
Objective: (2.7) c: Solve Equation of Form $a \cdot x = b$ (a, b
- 68) B
Objective: (3.7) b: Estimate Using Mixed Numeral
- 69) D
Objective: (3.4) b: Divide, Writing Answer as Mixed
- 70) A
Objective: (3.3) b: Use Inequality Symbols to Compare
- 71) C
Objective: (4.4) a: Divide Decimal by Decimal
- 72) D
Objective: (4.1) d: Round Decimal to Nearest
- 73) A
Objective: (5.5) a: Solve Apps: Find Length Using Similar
- 74) B
Objective: (5.4) a: Solve Apps: Solve Proportion II
- 75) B
Objective: (6.5) b: Solve Apps: Find Amount Given
- 76) C
Objective: (6.1) b: Convert from Percent to Decimal
- 77) B
Objective: (7.3) a: Read and Interpret Double Bar Graph
- 78) D
Objective: (7.4) a: Read and Interpret Circle Graph
- 79) D
Objective: (8.6) b: Solve Apps: Time and Temperature
- 80) B
Objective: (8.6) a: Convert Between Units of Time
- 81) C
Objective: (9.1) a: Find the Perimeter of a Polygon
- 82) D
Objective: (10.5) d: Solve Apps: Multiplication and
- 83) D
Objective: (11.1) d: Collect Like Terms II
- 84) C
Objective: (1.9) d: Simplify Expression with Nested
- 85) A
Objective: (2.7) a: Find Reciprocal of Number
- 86) C
Objective: (3.5) c: Solve Apps: Add/Subtract Mixed
- 87) B
Objective: (4.7) a: Solve Apps: Multiply Decimals
- 88) C
Objective: (5.3) b: Solve Proportion (Whole Numbers)
- 89) C
Objective: (6.4) b: Solve Percent Problem for Amount II
- 90) C
Objective: (7.3) a: Read and Interpret Bar Graph
- 91) D
Objective: (8.6) b: Convert from Fahrenheit to Celsius
- 92) A
Objective: (9.6) b: Approximate Square Root

Answer Key

Testname: ELEMENTARY ALGEBRA TEST 1

- 93) A
Objective: (10.1) d: Determine Which of Two Real
- 94) C
Objective: (11.2) a: Solve Equation Using Addition
- 95) D
Objective: (1.3) b: Subtract Whole Numbers (No
- 96) B
Objective: (2.3) a: Write Fraction for Shaded Part of Object
- 97) A
Objective: (3.6) a: Multiply Using Mixed Numerals
- 98) D
Objective: (4.4) a: Divide Decimal by Whole Number
- 99) B
Objective: (5.3) a: Determine Whether Two Pairs Are
- 100) C
Objective: (6.3) b: Solve Percent Problem for Amount II

Santa Monica College
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