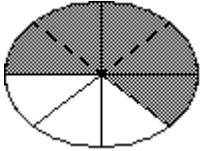


SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question

Determine what percent of the figure is shaded.

1) _____



1) _____

Solve. If necessary, round percents to the nearest tenth, dollar amounts to the nearest cent, and all other numbers to the nearest whole.

2) Attendance this year at the homecoming football game is 125% of what it was last year. If last year's homecoming football game attendance was 46,000, what is this year's attendance? (Round to the nearest integer, if necessary.) 2) _____

For the food described, find the percent of total calories from fat. If necessary, round to the nearest tenth of a percent

3) _____

Nutrition Facts	
Serving Size 12 crackers (30g)	
Servings Per Container About 10	
Amount Per Serving	
Calories 135	
Calories from Fat 50	
% Daily Value	
Total Fat 4g	6%
Saturated Fat 0.5g	3%
Polyunsaturated Fat 0g	
Monounsaturated Fat 1.5g	
Cholesterol 0mg	0%
Sodium 220mg	9%
Total Carbohydrate 21g	7%
Dietary Fiber 2g	7%
Sugars 4g	
Protein 2g	
Vitamin A 0%	Vitamin C 0%
Calcium 5%	
Iron 2%	
Phosphorus 9	

3) _____

Solve. If necessary, round percents to the nearest tenth, dollar amounts to the nearest cent, and all other numbers to the nearest whole.

4) The enrollment at a local college increased 13% over last year's enrollment of 1600. Find the current enrollment. 4) _____

- 5) The profit of Mythological Company last year was \$127,000. This year's profit decreased by 4.1%. Find this year's profit. 5) _____

Solve.

- 6) A diamond necklace normally sells for \$53,895. If it is first discounted by 35% and then taxed at 7%, find the total price. 6) _____

- 7) A tax of \$7378 is added to a bulk order's price of \$52,700. Find the sales tax rate. 7) _____

- 8) Find the amount of discount when the original price is \$52.00 and the discount rate is 35%. 8) _____

- 9) A calculator has a purchase price of \$38. If the sales tax on this purchase is \$2.09, find the sales tax rate. 9) _____

- 10) Find the simple interest when: Principal = \$450, Rate = 3%, Time = 8 years. 10) _____

Find the total amount in the compound interest account.

- 11) \$90,000 is compounded daily at a rate of 9% for 1 year. 11) _____

Solve.

- 12) Annie borrows \$4100 and agrees to pay it back in 7 years. If the simple interest rate is 13%, find the total amount she pays back. 12) _____

Find the total amount in the compound interest account.

- 13) \$1300 at 14% compounded quarterly for 2 years 13) _____

Solve.

- 14) Write the equivalent decimal and percent for $\frac{7}{10}$. 14) _____

- 15) A dart player made 25 bull's eyes out of 100 attempted throws. What percent of the throws were bull's eyes? 15) _____

Write the fraction or mixed number as a percent.

- 16) $\frac{43}{50}$ 16) _____

Translate to an equation and solve.

- 17) 21 is 6% of what number? 17) _____

- 18) 175% of 4 is what number? 18) _____

- 19) 116% of what number is 87? 19) _____

Write the decimal as a fraction or mixed number in lowest terms.

- 20) 15.2 20) _____

Write the decimal in words.

21) 7.8

21) _____

Determine whether the given value is a solution to the given equation.

22) Is 21.6 a solution to $38.5 - z = 16.9$?

22) _____

23) Is 4 a solution to $x + 5.6 = 9.1$?

23) _____

Perform the indicated operation.

24) Subtract 32 from 46.11

24) _____

Solve.

25) A farmer sells 8000 bushels of wheat for \$3.70 a bushel. How much did the farmer receive?

25) _____

26) A printing company charges \$1.7445 for each wedding invitation it prints. What would be the cost (before tax) for printing 250 wedding invitations? (Round the answer to the nearest cent.)

26) _____

Determine whether the given value is a solution to the given equation.

27) Is 6.9 a solution of $-0.5x = -3.45$?

27) _____

Evaluate the expression for the given replacement values.

28) xy for $x = 6$, $y = -1.9$

28) _____

Multiply.

29) 9.7×0.01

29) _____

Divide.

30) $-5.28 \div -0.8$

30) _____

31) $\frac{0.73}{1000}$

31) _____

32) $46.299 \div 1000$

32) _____

33) $0.03 \overline{)1.05}$

33) _____

Simplify the expression.

34) $(-0.9)^2$

34) _____

Insert $<$, $>$, or $=$ between the pair of numbers to form a true statement.

35) 0.400 _____ $\frac{5}{12}$

35) _____

36) 0.578 _____ 0.568

36) _____

Solve the equation.

37) $1.4x - 4.7 = 0.6x - 3.18$

37) _____

38) $-0.7x + 1.15 = -0.4x + 2.05$

38) _____

39) $1.2x - 3.2 = 0.8x + 0.6$

39) _____

40) $-57.6 = -7.2x$

40) _____

Answer Key

Testname: PRACTICECH5N7

- 1) 62.5%
- 2) 57,500 people
- 3) 37%
- 4) 1808 students
- 5) \$121,793.00
- 6) \$37,483.97
- 7) 14%
- 8) \$18.20
- 9) 5.5%
- 10) \$108.00
- 11) \$98,100.00
- 12) \$7831
- 13) \$1711.85
- 14) 0.7; 70%
- 15) 25%
- 16) 86%
- 17) 350
- 18) 7
- 19) 75
- 20) $15\frac{1}{5}$
- 21) seven and eight tenths
- 22) Yes
- 23) No
- 24) 14.11
- 25) \$29,600.00
- 26) \$436.13
- 27) Yes
- 28) -11.4
- 29) 0.097
- 30) 6.6
- 31) 0.00073
- 32) 0.046299
- 33) 35
- 34) 0.81
- 35) <
- 36) >
- 37) 1.9
- 38) -3
- 39) 9.5
- 40) 8.0

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OFFENDING COMMAND:

STACK: