04-27-19 4-25-19

Assignment: MATH123FIESTAD101

1. Add.

Date:

Student:

82 + 16

The sum is

Instructor: Alfredo Alvarez

Course: Martin-Gay Basic Math

Answer: 98

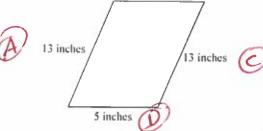
2. Add.

The sum is

21

Answer: 78

3. Find the perimeter of the figure.



5 inches

P=A+B+C+D P=13+5+13+5

(1) o square inches.

(Type a whole number.)

cubic inches.

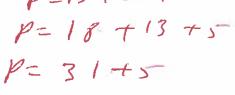
(1)

inches.

The perimeter is

Answers 36

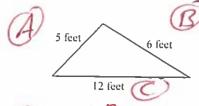
(1) inches.



P=36

36

4. Find the perimeter of the figure.



5

The perimeter is (Type a whole number.) (1)

PZA+B+C

P= 11+12

(1) O cubic feet.

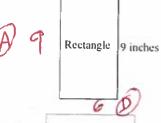
square feet.

feet.

Answers 23

(1) feet.

5. Find the perimeter of the figure.



6 inches

P= A+B+C+D P=9+6+9+6

The perimeter is (1) P= 15+9+6 P= 24+6

24

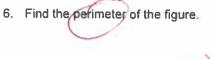
(Type a whole number.)

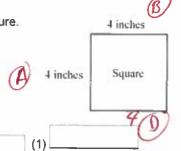
- (1) inches.
 - square inches.
 - cubic inches.

24

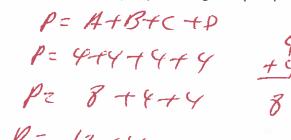
Answers 30

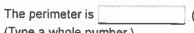
(1) inches.

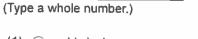




9 yards





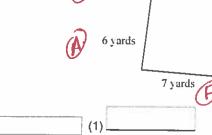


- (1) cubic inches.
 - square inches.

(1) inches.







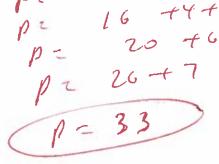
Lyard

The perimeter is (Type a whole number.)

- (1) O yards.
 - o square yards.
 - cubic yards.

Answers 33

(1) yards.



P=16

16	26
+4	+7
20	33
76	

8. What is 285 increased by 34?

285 increased by 34 is

Answer: 319

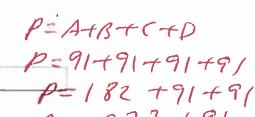
+ 34 319 The perimeter is

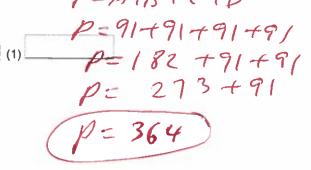
(1) Cubic feet. o square feet.

feet.

91 ft

9. A permanent game board is made of granite. Find the perimeter of the square playing board.





D)	91 +91 18 ²
土	182 9) 73 273 91
	364

Answers 364 (1) feet.

10. The table on the right shows the number of particular stores in ten states. Which state has the most stores?

State (1) has the most stores.

The Top States for the Stores					
State	Number of Stores				
Α	34				
B	122				
С	72				
D	42				
E	75				
F	62				
G	55				
Н	77				
K	49				
L	108				

 $(1) \bigcirc A \bigcirc E \bigcirc K$ \bigcirc B \bigcirc F \bigcirc C \bigcirc G \bigcirc D \bigcirc H

Answer: (1) B

11. Find the difference.



12. Subtract.

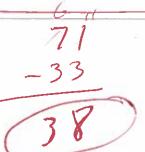
The difference is



Answer: 23

13. Subtract

The difference is



Answer: 38

14. Subtract Check by adding.

The difference is

-77 (13) Chek 77 13 90

Answer: 13

15. Subtract 6 from 7.

The difference is

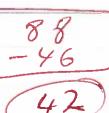
 $\frac{7}{-6}$

Answer: 1

16. Find the difference of 88 and 46.

The difference is

Answer: 42



17. Subtract 38 from 90.

The difference is

Answer: 52

-38

			1			
18.	Find	52	S	ubtracted	from	100.

The difference is

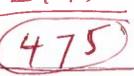
Answer: 48



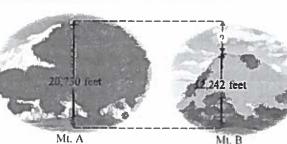
Evelyn Abrams is reading a 646-page book. If she has just finished reading page 171 how many more pages must she read to finish the book?

pages

Answer: 475



20. The peak of Mt. A is 20,730 feet above sea level. The peak of Mt. B is 12,242 feet above sea level. Howmuch higher is the peak of Mt. A than Mt. B?



The peak of Mt. A is

feet higher than the peak of Mt. B.

Answer: 8488

21. Suppose one dam is 583 feet high. Another dam is 569 feet high. How much taller is the first dam than the second dam?

The first dam is

feet taller than the second dam.



Answer: 14

22. Subtract.

43 - 36

The answer is

Answer: 7



23. Round 915 to the nearest ten

915 rounded to the nearest ten is

29. Use the distributive property to rewrite each expression.

(Type an expression. Do not simplify.)

4(3+6)

Answer: 4 • 3 + 4 • 6

4(3+6) =

cubic meters. cubic meters.

Answers 36 (1) square meters. 26

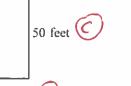
(2) meters.

p= A+B+C+D p= 4+9+4+9 D= 13+4+9

34.

Find the area and the perimeter of the rectangle shown to the right.

_	(A)	50	
---	-----	----	--



The area of the rectangle is (1)

The perimeter of the rectangle is

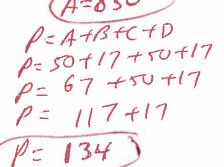
17 feet

- (1) o square feet.
 - feet.
- O feet.
- cubic feet.
- square feet.

(2) O cubic feet.

Answers 850

- (1) square feet.
- 134
- (2) feet.



35. Find the sum of 29 and 5.

The sum is

Answer: 34

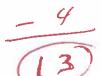


36. Find the difference of 17 and 4.

The difference is

(Simplify your answer.)

Answer: 13



Find the following quotient.

45 ÷ 5

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

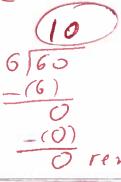
 \bigcirc A. $45 \div 5 =$ (Simplify your answer.)

B. The answer is undefined.

Answer: A. 45 + 5 = (Simplify your answer.) 38. Find the following quotient.

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. 60 + 6 = (Simplify your answer.)
- B. The answer is undefined.

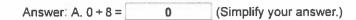


39. Find the following quotient.

$$0 + 8$$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. 0 + 8 = (Simplify your answer.)
- B. The quotient is undefined.

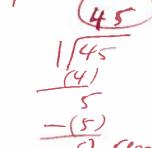




40. Find the following quotient

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. 45 + 1 = (Simplify your answer.)
- O B. The answer is undefined.



41. Find the following quotient.

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. $\frac{40}{40}$ = (Simplify your answer.)
- O B. The answer is undefined.

Answer: A.
$$\frac{40}{40} = \boxed{1}$$
 (Simplify your answer.)

42. Find the quotient

Select the correct choice below and fill in any answer boxes in your choice.

Answer: A.
$$\frac{45}{5} = 9$$

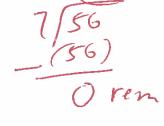


43. Find the following quotient.

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- \bigcirc A. 56+7= (Simplify your answer.)
- O B. The answer is undefined.



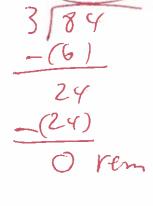


44 Divide the following and then check by multiplying.

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. The quotient does not have a remainder. The quotient is
- B. The quotient has a remainder not equal to 0. The quotient is
- C. The quotient is undefined.

Answer: A. The quotient does not have a remainder. The quotient is



45.	Divide the following and then check by multiplying.	2
	48 ÷ 8	6
	Select the correct choice below and, if necessary, fill in the answer box to complete your choice.	6
	A. The quotient does not have a remainder. The quotient is	8 48
	○ B. The quotient has a remainder not equal to 0. The quotient isR	-(48)
	○ C. The quotient is undefined.	O Fer
	Answer: A. The quotient does not have a remainder. The quotient is6	
46.	Divide the following and then check by multiplying.	58
	8)469	769
	Select the correct choice below and, if necessary, fill in the answer box to complete your choice.	w)
	A. The quotient does not have a remainder. The quotient is	69
	○ B. The quotient has a remainder not equal to 0. The quotient isR	(64)
	O. C. The prostings is undefined.	(5)ren
	C. The quotient is undefined.	
	Answer: B. The quotient has a remainder not equal to 0. The quotient is 58 R 5	
47.	Find the average value of the following list of numbers 20+25+12+76+18+19	20 5
	20, 25, 12, 26, 18, 19	45 8
	The average value is	5 83
	6 /t/	10
1	Answer: 20 20 5	101
48.	What is the total of 32 and 8?	120
	The total of 32 and 8 is	
	(4 Ø)	
	Answer: 40	
49.	40 times 30 is what number?	
	40 times 30 is	
	Answer: 1200	
7	(12)	
-	Answer: 1200	

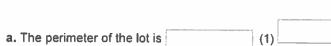
50.	A vacant	lot in the	shape	of a	rectangle	measures	70	feet b	v 50	feet.
			4						,	

- a. What is the perimeter of the lot?
- b. What is the area of the lot?









b. The area of the lot is

- (1) () feet.
- (2) Cubic feet. O feet.
- square feet; cubic feet.
- square feet.

Answers 240

- (1) feet.
- 3500
- (2) square feet.

24

51. There are 24 hours in a day. How many hours are in 3 days?

There are

hours in 3 days.

Answer: 72

52. The average weekly pay for a records clerk is \$760. If the clerk works 40 hours in one week, what is his or her hourly pay?

The hourly pay is \$

an hour.

Answer: 19

Six ounces of canned fish in oil has 306 calories. How many calories does 1 ounce have?

One ounce of canned fish in oil will have

calories. (Simplify your answer.)

Answer: 51

54. Find the value of the expression.

5²

 $5^2 = 1$



55.

Find the square root.

 $\sqrt{25}$

Answer: 5



25

56. Simplify.



Select the correct choice below and, if necessary, fill in the answer box to complete your choice. 25490

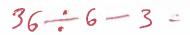
- \bigcirc A. 25+5.8=
- B. The expression is undefined.

Answer: A. 25 + 5 • 8 =



57. Simplify.

EMDAS



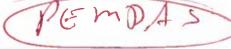
Select the correct choice below and, if necessary, fill in the answer box to complete your choice,

- \bigcirc A. $36 \div 6 3 =$
- B. The expression is undefined.

Answer: A. 36 + 6 - 3 =



58. Simplify.



Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

9-49092

- OA. 3-3+9-9=
- B. The expression is undefined.

Answer: A. 3 • 3 + 9 • 9 =

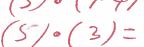




59. Simplify.

$$(2+3) \cdot (7-4)$$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.



- \bigcirc A. $(2+3) \cdot (7-4) =$
- O B. The expression is undefined.

Answer: A. (2 + 3) • (7 - 4) = 15

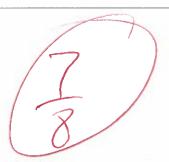


60. Write a fraction to represent the shaded part of the figure.



The fraction representing the shaded part is

Answer: $\frac{7}{8}$



61. Write a fraction to represent the shaded region of the figure.



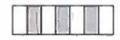
Answer: $\frac{7}{9}$

The fraction that represents the shaded region of this figure

is _____.



62. Write a fraction to represent the shaded region of the figure.



A fraction which represents the figure is



63. Type a fraction to represent the shaded part.

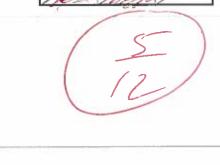


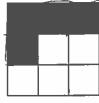
What is the fraction represented by the shaded part?

(Do not simplify.)

Answer: 5

64. Write a fraction to represent the shaded region of the figure.





Answer: 4

The fraction that represents the shaded region of this figure





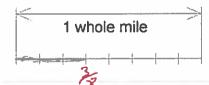


The fraction represented by the shaded parts is

Answer: 7



66. Write a fraction to represent the shaded part of the distance.



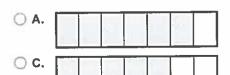
The fraction that represents the shaded part is

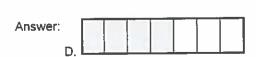


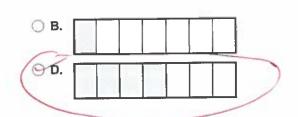
67. Draw and shade a part of a diagram to represent the fraction.



Which shaded region below represents $\frac{4}{7}$?









68. Draw and shade a part of a figure to represent the fraction.

$$\frac{5}{6}$$
 of a figure

Which shaded region below represents $\frac{5}{6}$?

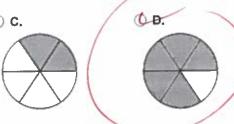
OA.



O B.



O C.







69.

Each of the objects shown to the right is divided into equal sections and part of each object is shaded. The shaded part is a fraction of the whole object.

Which object represents the fraction $\frac{4}{8}$?

Choose the correct answer below.











None of the above.



Answer:



70.

Each of the figures shown to the right is divided into equal sections, and part of each figure is shaded. The shaded part is a fraction of the whole figure.

Which figure represents the fraction $\frac{10}{10}$?

Choose the correct answer below.









O D.



E. None of the above.



Answer:

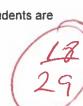


71. In an American Sign Language (A.S.L) class of 29 students, 18 are hearing impaired. What fraction of the students are hearing impaired?

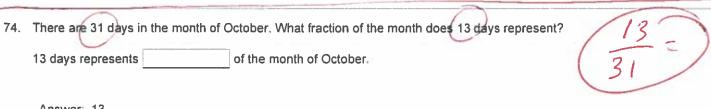
The fraction of the students that are hearing impaired is

Answer: 18

29



72. Of 69 cars making up a freight train, 52 are boxcars. A. How many of the cars are not boxcars? B. What fraction of the cars are not boxcars? A. The number of cars that are not boxcars is B. The fraction of the cars that are *not* boxcars is Answers 17 69 73. The Atlantic hurricane season of this year rewrote the record books. There were 22 tropical storms, 13 of which turned into hurricanes. What fraction of this season's Atlantic tropical storms escalated to hurricanes? The fraction of tropical storms which escalated to hurricanes is Answer: 13



- 75. Represent the shaded part of the group of circles with
 - A. an improper fraction and
 - B. a mixed number.







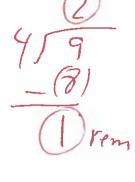
- A. The improper fraction which represents the shaded area of the figure group is
- B. The mixed number which represents the shaded area of the figure group is











- 76. Represent the shaded part of the group of triangles with A. an improper fraction and
 - B. a mixed number.







A. The improper fraction that represents the shaded area of the figure group is

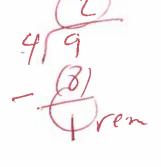
B. The mixed number that represents the shaded area of the figure group is

Answers 9

 $2\frac{1}{4}$



(24)



77. Write the shaded area in the figure as a) an improper fraction and b) a mixed number.



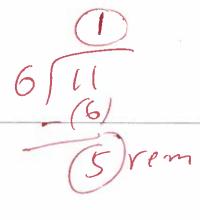
- a) The shaded area as an improper fraction is
- b) The shaded area as a mixed number is

Answers 11 6

 $1\frac{5}{6}$







- 78. Represent the shaded area in the figure group with
 - A. an improper fraction and
 - B. a mixed number.









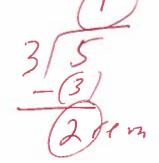
- A. The improper fraction is ______. (Type an improper fraction. Do not reduce.)
- B. The mixed number is . (Type a mixed number. Do not reduce.)

Answers 5/3

 $1\frac{2}{3}$







79. Write the shaded area in the figure group as (a) a mixed number and (b) an improper fraction.





a. Write the shaded area as a mixed number.

(Type a mixed number, Do not simplify.)

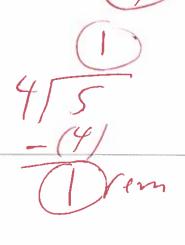
b. Write the shaded area as an improper fraction.

(Type an improper fraction. Do not simplify.)

Answers $1\frac{1}{4}$

5





80. Represent the shaded part of the group of figures with (a) an improper fraction and (b) a mixed number.



a. Write the shaded area as an improper fraction.



b. Write the shaded area as a mixed number.



Answers 9



81. What fraction correctly represents the shaded part of the figure below?

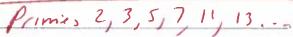




○ D.



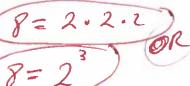
Answer:



82. Find the prime factorization of the following number. Write any repeated factors using exponents.

8

The prime factorization of 8 is





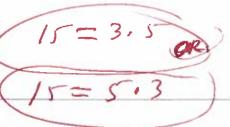
Answer: 23

83. Find the prime factorization of the number 15. Write any repeated factors using exponents.

The prime factorization is

Answer: 5 • 3





84.	Find the prime factorization of the following number. Writ	e any repeated factors	using exponents.	/ 2
	40	Primes 0	13,577 11	13,
	The prime factorization of 40 is	1(43	(40=2.2.	2. 5 OR
	Answer: 2 ³ .5	5 15	(40 = 2°	5-)
85. Fur	Find the measure of $\angle x$ in the figure.	67° x	67 + 66 133	180 -133
	(Note: Fig.	gure is not drawn to sc	cale.)	(41)
	Answer: 47			
86.	Find the measure of $\angle x$ in the figure. $= 180^{\circ}$	93		
fur	muly of A	+71 164	7 (Note: Figure is	s not drawn to scale.)
	The measure of ∠x is°.	-/	164	
	Answer: 16		16)	
87.	Find the measure of $\angle x$ in the figure. A A A A A A A A A A	90° +25° 115	x	25 0
	Answer: 65	180	,	
		-115		

88. Identify the solid shown to the right.

Choose the correct answer below.

cube
cylinder
pyramid
cone
sphere
rectangular solid

Answer: cylinder

89. Identify the solid shown to the right.

Choose the correct answer below.

cube
cone
sphere

Answer: rectangular solid

rectangular solid
pyramid

cylinder

90. Identify the solid shown to the right.



Choose the correct answer below.

- sphere
 cone
- Ocylinder
- pyramid
- rectangular solid
- O cube

Answer: cone

91. Identify the basic shape of the item shown to the right.

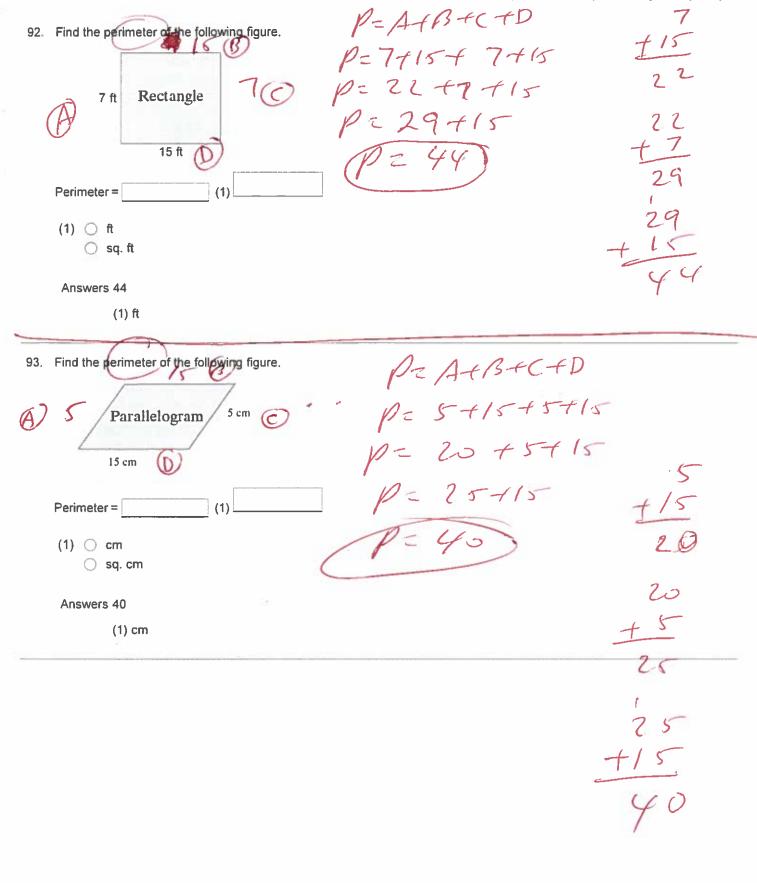


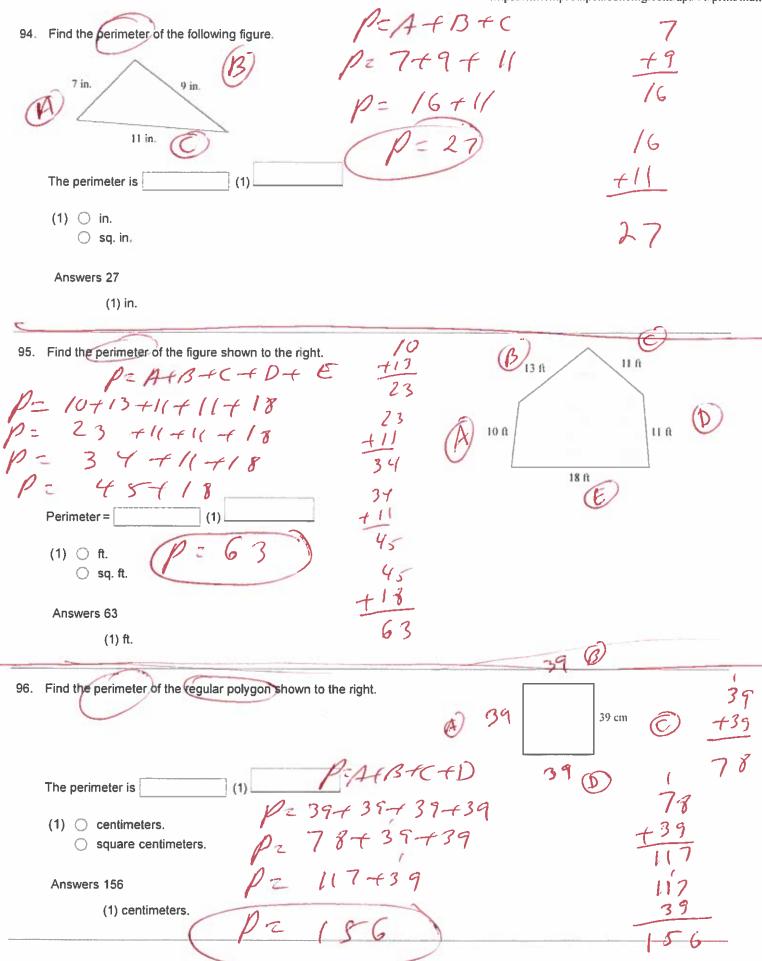
The basic shape of the item shown is a (1)

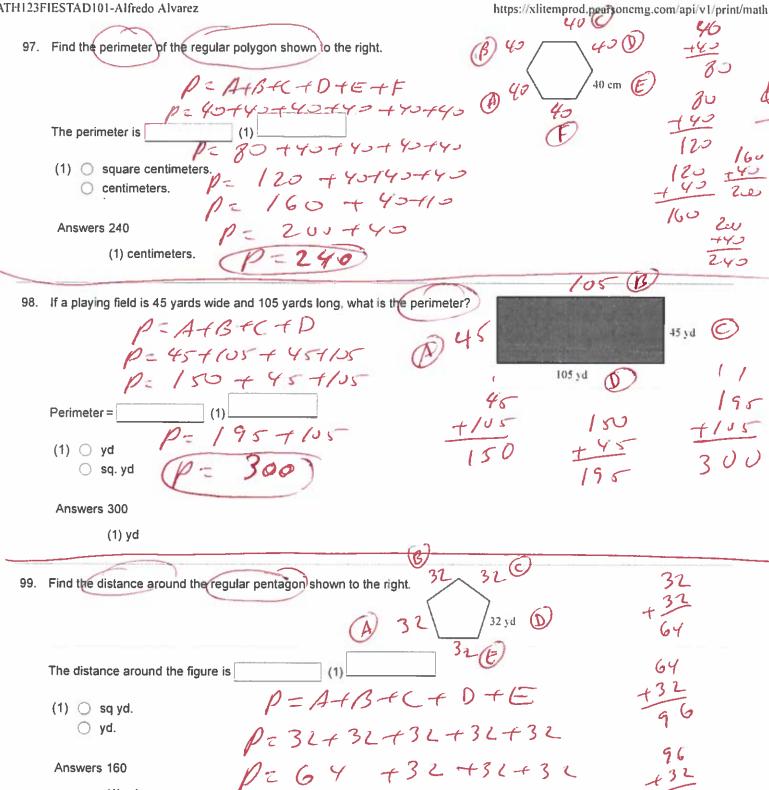
- (1) O sphere,
 - rectangular solid.
 - O cube.



Answer: (1) pyramid.





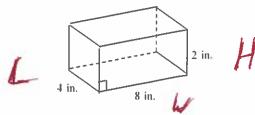


-96 +32+31

7 128 732

(1) yd.

100. Find the volume of the solid.



The volume of the solid is

(Simplify your answer.)

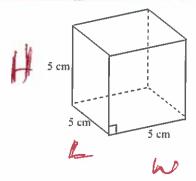
- (1) o square inches.
 - O inches.
 - cubic inches.

Answers 64

(1) cubic inches.

V= LWH V= 4.8.2 V= 32.2 V= 64

101. Find the volume of the solid.



The volume of the solid is (Simplify your answer.)

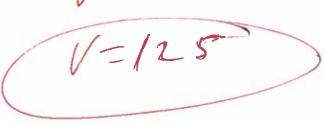
- (1) o square centimeters.
 - square centimetecentimeteres.
 - O cubic centimeters.
- V=L.W.H



Answers 125

(1) cubic centimeters.





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