	ldent: te:	Instructor: Alfredo Alvarez Course: Math 0410 / 0320 Alvarez	Assignment: CX 19/13 MATH3RDGRADEWARMUP149L
1.	Determine the place value of the digit 805	5 in the whole number.	05
	Choose the correct answer below.		
	O Hundreds		mes Yu
	Ones	/	Ole
	○ Tens		
	Thousands		
	Answer: Ones		
2.	Determine the place value of the digit	7 in the whole number 7025	700 -
	Choose the correct answer below.	water wall for the same of the	7025
	○ tens	22	70
	hundreds		
	thousands	the	jusands the
	ones	gno	7470
	Answer: thousands		
. \	Vrite the whole number in expanded fo	orm. 957	0=
	9570	137	
9	9570 = (Type your ans	swer using plus signs.) 9(/000)	+5(10)+7(10)+0(1)
	(Type your aris	wer daing plus signs.	OR
	Answer: 9000 + 500 + 70	9000	+500 +70 -
т	he takta atau utu		
n	he table shows the number of calories ninutes of exercise and how the numbe		100 lb 120 lb
V	aries according to the weight of the per	rson doing the	
е	xercise. For a person weighing 100 po alories will be burned during 30 minute	unds, how many	
m	oderate jogging?	Aerobic dance	/ 182 218
-		Racquetball	194 233
p-=		Tennis	143 172
	calories	20-	Vu
		285 modercle	Culurius
	Answer: 285		

5. The table shows the number of calories burned during 30 minutes of exercise and how the number of calories burned varies according to the weight of the person doing the exercise. For a person weighing 150 pounds, which activity burns the fewest calories?

Activity	110 lb (150	60 lb
Moderate jogging	311 425	5
Moderate walking	110 (150	0 & few ost coloris
Moderate cycling	134 /183	
Aerobic dance	193 / 263	3
Racquetball	218 / 297	7
Tennis	163 / 222	2
	/	

Choose the correct answer below

$\bigcirc$ A	. Racq	uetball
--------------	--------	---------

- B. Moderate jogging
- O. Moderate walking
- O. Aerobic dance
- C E. Tennis
- F. Moderate cycling

Answer: C. Moderate walking

6. The table shows the five longest rivers in the world.

Use the table to determine which river is the longest in the

world.

River Miles Chang jiang-Yangtze (China) 3964 Amazon (Brazil) 4000 Tenisei-Angara (Russia) 3442 Mississippi-Missouri (U.S.) 3740 Nile (Egypt) 4145

Which river is the longest in the world?

- Tenisei-Angara
- Mississippi-Missouri
- Chang jiang-Yangtze
- Amazon



Answer: Nile

 The table shows the top ten popular breeds of dogs. Use the table to answer the following question.

Which breed has a greater average weight, the Boxer or the Labrador retriever?

The (1)

has a greater average weight.

Top Ten Popular Breeds of Dogs

Breed	Average Dog Maximum Height (in inches)	Average Dog Maximum Weight (in pounds)
Labrador retriever	25	75
German shepherd	26	95
Golden retriever	24	80
Beagle	15	30
Bulldog	26	90
Yorkshire terrier	9	7
Boxer	25	(70)
Poodle	standard: 26	standard: 70
Rottweiler	26	none given
Dachshund	9	25

great as average weight

(1) O Labrador retriever

O Boxer

Answer: (1) Labrador retriever

Cabrado retrieve has

75 3

8. Add.

14 + 83

The sum is

Answer: 97

4 14 97 Yun

9. Add.

81 + 316

81 + 316

Answer: 397

+316 397 10. Add.

14 22

+ 31

+ 31 6 7 W

The sum is

Answer: 67

11. Subtract. Check by adding.

549

- 449

The difference is

Answer: 100

-449 100 %

+449 549

check

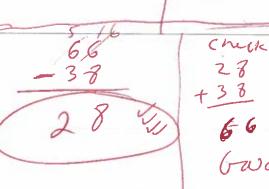
12. Subtract.

66

- 38

The difference is

Answer: 28



13. Subtract Check by adding

733

- 357

The difference is

Answer: 376

733 (h -357 (37 +35 376 (73 73

14. Subtract.

900

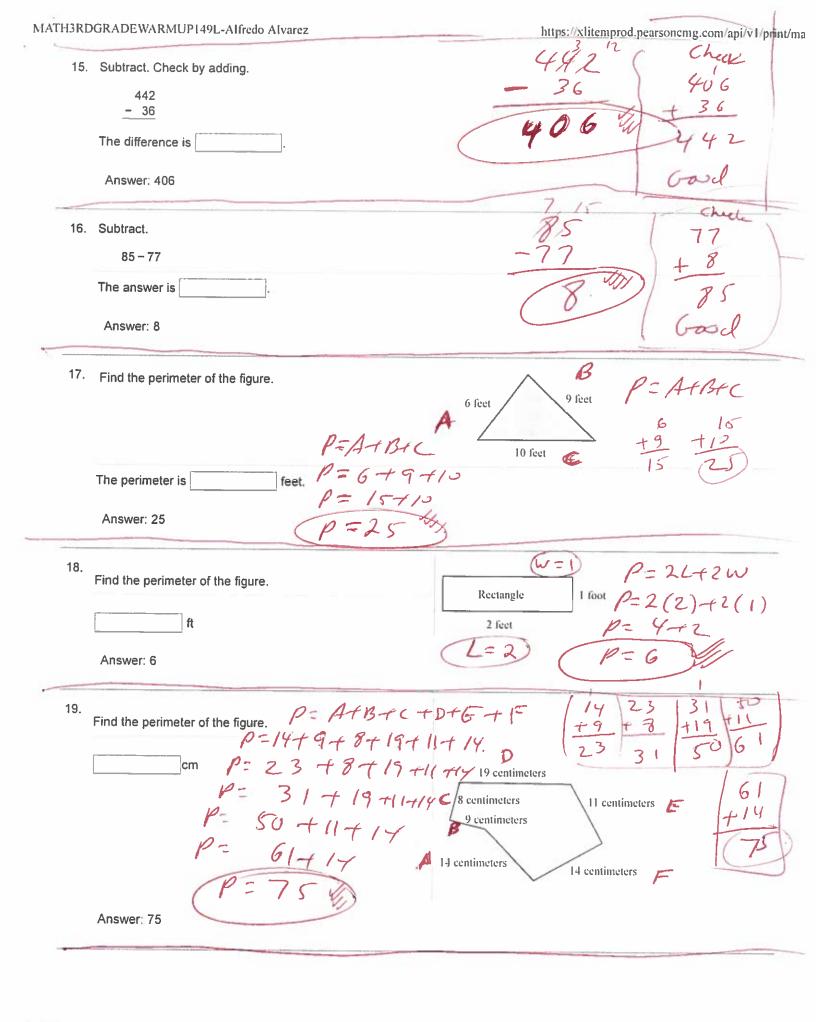
- 316

The difference is

Answer: 584

508 -316 584 %

316 900 V Good =



21. Find the difference of 68 and 39.

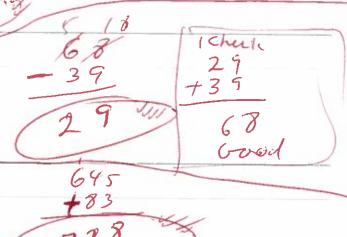
The difference is

Answer: 29



645 increased by 83 is

Answer: 728



23. A new notebook computer with DVD player costs \$1423. Derik Muller has \$1499 in his checking account. How much will be left in his checking account after he buys the notebook computer?

Derik will have \$

remaining in his checking account after he buys the notebook computer.

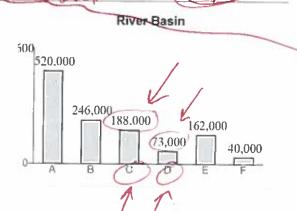
Answer: 76

24. Find the total land area drained by the C and D sub-basins.

Area (in thousands of square miles)

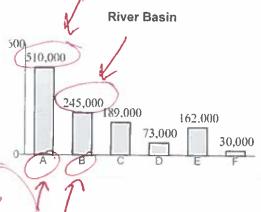
sq mi

Answer: 261,000



25. How many more square miles of land is drained by the A

sub-basin than the B sub-basin? 5 mbtract



sq mi

Answer: 265,000

26.

Alexander is installing a pen for his dog. The pen will have the shape and dimensions of the figure shown to the right. How many feet of fencing are needed to enclose the the area shown?

P=A+B+C+D P=96+106+119+72 P=202+119+72 # P= 328+72 Answer: 393

B 196 106 feet 119 feet 🧲 96 feet 72 feet

read to finish the book?

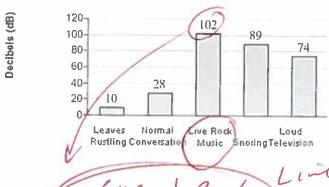
pages

Answer: 496

Evelyn Abrams is reading a 775-page book. If she has just finished reading page 279, how many more pages must-she Check 496

28. What is the dB rating for live rock music?

**Decibel Levels for Common Sounds** 



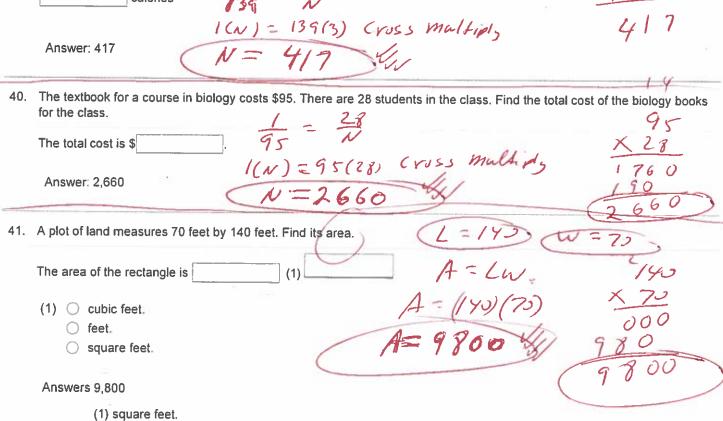
dB

Answer: 102

29. How much louder is the sound of snoring than normal conversation?  (gp) step 1000 (gp) step	Decibel Levels for Common Sounds  120 100- 80- 60- 40- 29 10 Leaves Normal Live Rock Loud Rustling Conversation Music Snoring Television the Ck
30. A permanent game board is made of granite. It is in the sh the square playing board.	Tape of a square with side lengths of 42 ft. Find the perimeter of $92$ $92$ $93$ $94$ $94$ $94$ $94$ $94$ $94$ $94$ $94$
The perimeter is feet. 42 Answer: 168	P= 168 Wy X 4 168
The table on the right shows the number of a particular store in ten states. What is the total number of stores located in the three states with the most stores?  A total of stores are located in the three	State Number of Stores Arizona 185 California 27 Florida 61 Georgia 141
states with the most stores.  185  410  410	Illinois
Answer: 410	
32. A particular state has 2046 miles of urban highways and 36 the state.  The total highway mileage in the state is	2046
Answer: 5875	5875 WW
33. Round 2,859 to the nearest hundred.  The number 2,859 rounded to the nearest hundred is  Answer: 2,900	2859 5/300 535 round up
	2900 %

MATH3RDGRADEWARMU	P149L-Alfredo Alvarez		https://xlitemprod	pearsonemg.	com/api/v1/print/m
34. Round 41,337 t	o the nearest thousand.	4	1337=		つ / C
41,337 rounded	I to the nearest thousand is		du	nut r	365 ound up
Answer: 41,00	0	C410	100		7
35. Estimate the pe rounding the ler	rimeter of the rectangle by first ngth of each side to the nearest	67 meters	7 LES	70	neurost ten
& CESTIM	nate first	Rectangle	meters	v = /0	10 1
The estimated p	perimeter is meters.	P=21+21 P=2(70)+		70 x 2	20
Answer: 160	Estimate to	P=140+2		140	
36.	TOTAL			3/6	
Multiply.		316		316	
316		× 4	<u>X</u>	4	7/1
<u>× 4</u>			(1,2	_64	
Answer: 1264					
37. Multiply.			9	9	
99			× 6	6	
× 66	-		135	74	
The product is			6,5	3 4	* S
Answer; 6534					

TH3RDGRADEWARMUP149L-Alfredo Alvarez	https://xlitemprod-pearsonemg-com
Find the area and the perimeter of the rectangle shown to the right.	7 meters
The area of the rectangle is (1)	A=LW A=(7)(5)
The perimeter of the rectangle is (2)	A= 35
(1) Cubic meters. (2) Square meters.  meters. meters. Cubic meters.	P=2L+2W P=2(7)+2(5)
Answers 35	P= 14710
(1) square meters.	P=24 8
(2) meters.	
39. One triple fudge brownie contains 139 calories. How many calories are	in 3 triple fudge brownies? /3



42. One ounce of nuts contains 196 calories. How many calories are in 13 ounces of nuts?

calories

Answer: 2548

1(N) = 196(13) Cross Multiply N= 2:5 48 W

196

43. The Thespian club at a local community college is ordering T-shirts. T-shirts size S, M, or L cost \$12 each and T-shirts size KL or XXL cost \$15 each. Use the table on the right to find the total cost. (The first row is filled in for you.)

T-Shirt Number of Size Shirts		Cost per	Cost per Size
	Ordered	Shirt	Ordered
S	2	\$12	\$24
M	3		
L	4		
ХĻ	10		
XXL	2		

**Total Cost** 

T-Shirt Size	Number of Shirts Ordered	Cost per Shirt	Cost per Size Ordered
S	2	\$12	\$24
М	3	\$ 12	\$ 36
L	4	\$ 12	s 48
XL	10	\$ 15	s 150
XXL	2	\$ 15	\$ 30

**Total Cost\$** 

Answers 12

36

12

48

15

150

15

30

288

44. A plant for a tea company has bagging machines capable of bagging 3000 bags of tea per minute. If the plant runs 19 hours a day, how many tea bags are produced in one day?

The company produces

tea bags in one day of operation

Answer: 3,420,000

45. Divide the following and then check by multiplying.

5 ) 385

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

R

0 1em

C. The quotient is undefined.

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

77

46. Divide the following and then check by multiplying.

7) 1566

2225 Ven 5 WW

7 11566

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

-(21) V

C. The quotient is undefined.

Answer: B. The quotient has a remainder not equal to 0. The quotient is

223

5

47. For their wedding, Ben and Jen paid \$11 for each guest's dinner. The total bill was \$2090. How many guests did they have at their wedding?

guests

Answer: 190

190) - (11) - (59)

48. A truck hauls wheat to a storage granary. It carries a total of 5,616 bushels of wheat in 12 trips How much does the truck haul each trip if each trip it hauls the same amount?

The truck hauls

Answer: 468

bushels each trip.

468

-(48) -(72) 96

49. Suppose the elevation of a peak on a certain planet is 31,680 feet. A mile is 5280 feet. How many miles tall in the peak?

The peak is

miles tall.

X 6

280 1316 80

0 (

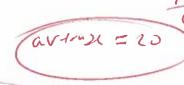
Answer: 6

50. Find the average value of the following list of numbers

20, 21, 17, 27, 16, 19

The average value is

Answer: 20

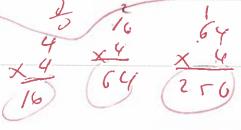


51. Evaluate.

44

Answer: 256

4. 4. 4. 4 = 16. 4. 4 =



52. Simplify.

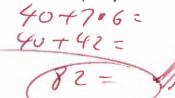
40+7-6

PEMDAS left to right

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

- OA. 40+7.6=
- OB. The expression is undefined.

Answer: A. 40 + 7 • 6 = 82

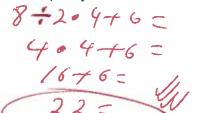


53. Simplify.

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

- OA. 8+2+4+6=
- O B. The expression is undefined.

Answer: A. 8 + 2 • 4 + 6 = 22



EMDAS

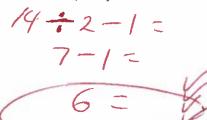
54. Simplify.

$$14 \div 2 - 1$$

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

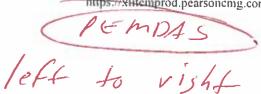
- A. 14+2-1=
- O B. The expression is undefined.

Answer: A. 14 ÷ 2 – 1 = 6



55. Simplify.

$$49 + \frac{64}{8}$$



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

$$\bigcirc$$
 A. 49 +  $\frac{64}{8}$  =

Answer: A. 49 + 
$$\frac{64}{8}$$
 =  $\frac{57}{}$ 

56. Simplify.

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

Left

$$\bigcirc$$
 A. 3.4+5.5=

57. Simplify.

$$\frac{24+8}{2^3-2^2}$$

PE MOAS

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

$$\bigcirc$$
 A.  $\frac{24+8}{2^3-2^2} =$ 

Answer: A. 
$$\frac{24+8}{2^3-2^2} = \frac{8}{120}$$

$$\frac{24+8}{2^{3}-2^{2}} = \frac{24+8}{2\cdot 2\cdot 2} = \frac{24+8}{24+8} = \frac{$$

$$\begin{array}{c}
24+8 \\
8-4 \\
\hline
32 \\
4 \\
\hline
8 = 4
\end{array}$$

13 meters

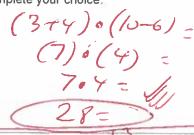
58. Simplify.

$$(3+4) \cdot (10-6)$$

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

- $\bigcirc$  A.  $(3+4) \cdot (10-6) =$
- B. The expression is undefined.

Answer: A. (3 + 4) • (10 - 6) = 28



13

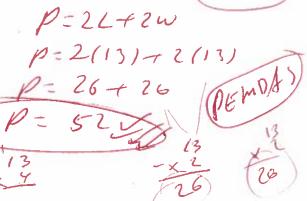
59. Find the area and perimeter of the square shown to the right.



The perimeter of the square is



- (1) O meters.
- (2) meters.
- square meters.
- square meters.



Answers 169

(1) square meters.

52

(2) meters.



60. Evaluate the expression for 
$$x = 5$$
 and  $z = 3$ .

$$2xz - 3x$$

Answer: 15

$$2/2 - 3/6 = 0$$
 (5) = Subst  
 $2(5)(3) - 3(5) = 5$  Subst  
 $2(15) - 7(5) = 30 - 15 = 6$ 

61. Evaluate the expression for x = 2 and y = 6.

$$\frac{3y-8}{x}$$

$$\frac{3y-8}{x} =$$

Answer: 5

$$\frac{3(6)-8}{(2)} = subst$$

$$\frac{18-8}{(2)} = \frac{1}{1}$$

10 z 5 = 4x 62. Evaluate the expression for x = 22, y = 2, and z = 4.



$$\frac{x+3y}{z} =$$

Answer: 7

- $\frac{22)+3(2)}{2} = 5uhst$   $\frac{22+6}{4} = 77$
- 63. Evaluate the algebraic expression for the given value.

$$x^2 - 2x + 8$$
, for  $x = 5$ 

When 
$$x = 5$$
,  $x^2 - 2x + 8 =$  (Simplify your answer.)

Answer: 23

- $(5)^{2} 2(5) + 8 = 25 + 15$  (5)(5) 2(5) + 8 = -15 + 15 25 10 + 8 = 1563 1578 = 6/1
- 64. Evaluate the following expression for x = 1 and y = 4.

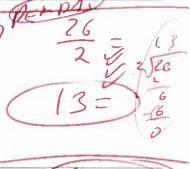
$$\frac{2x + 6y}{2x}$$

The answer is

Answer: 13

 $\frac{2x+6y}{2x} =$ 

2(1)



65. Simplify.

Answer: 26

3+407-10= PEM 3+28-10-36-10=

66. Solve. Check your solution.

$$x + 9 = 24$$

The solution is x =

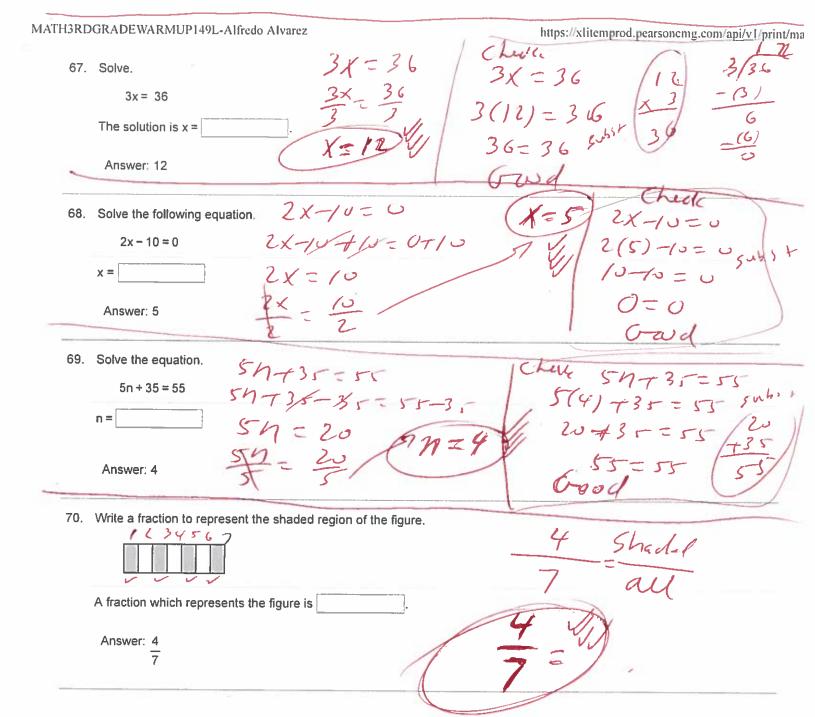
Answer: 15

X+9=24 X+8-8=24-9

X=15)

(5) + 9=24 (5) + 9=24 15+ 9=24

> Told 1 15 ±5 24

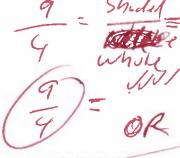


- 71. Represent the shaded part of the group of circles with
  - A. an improper fraction and
  - B. a mixed number.





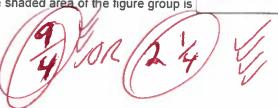




- A. The improper fraction which represents the shaded area of the figure group is
- B. The mixed number which represents the shaded area of the figure group is

Answers  $\frac{9}{4}$ 

 $2\frac{1}{4}$ 



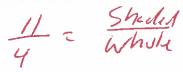
4/9 -(8) (1) Am

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







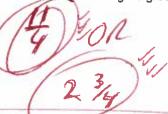


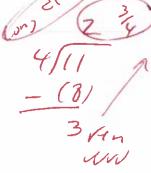
A. The improper fraction that represents the shaded area of the figure group is

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

Answers  $\frac{11}{4}$ 

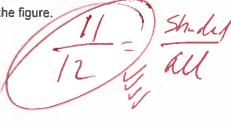
 $2\frac{3}{4}$ 





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



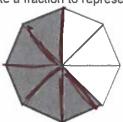


The fraction which represents the shaded region is

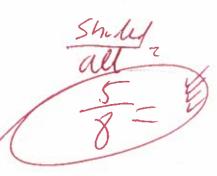
Answer: 11

12

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



The fraction representing the shaded part is



Answer: 5

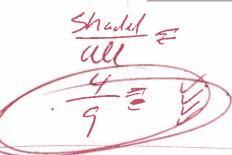
75. Write a fraction to represent the shaded region of the figure.

The fraction that represents the shaded region of this figure

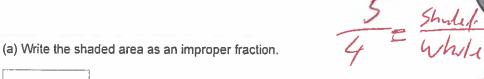




Answer: 4

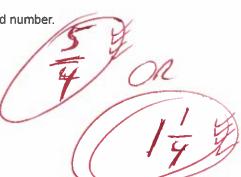


76. Represent the shaded part of the group of figures with (a) an improper fraction and (b) a mixed number.





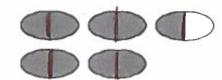




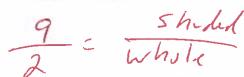


Answers 5

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



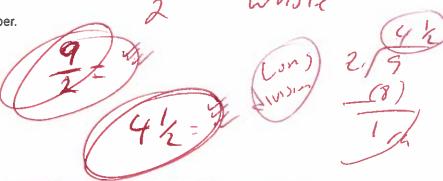
a. Write the shaded area as an improper fraction.



b. Write the shaded area as a mixed number.



Answers  $\frac{9}{2}$ 

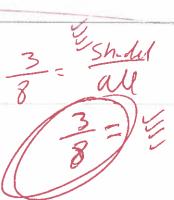


78. Write a fraction to represent the shaded part of the syringe.

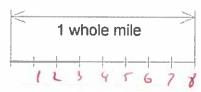


The fraction represented by the shaded parts is

Answer.  $\frac{3}{8}$ 

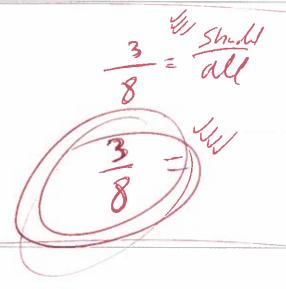


79. Write a fraction to represent the shaded part of the distance.



The fraction that represents the shaded part is

Answer:  $\frac{3}{8}$ 



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.

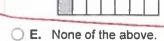
Which object represents the fraction  $\frac{1}{2}$ ?

Choose the correct answer below.





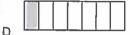




OD.



Answer:



81.

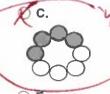
Each of the objects shown to the right is divided into equal sections and part of each object is shaded. The shaded part is a fraction of the whole object.

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

Choose the correct answer below.

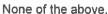






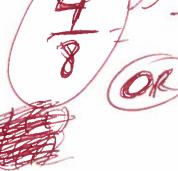


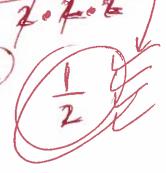




Answer:





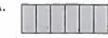


Each of the figures shown to the right is divided into equal sections, and part of each figure is shaded. The shaded part is a fraction of the whole figure.

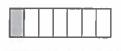
Which figure represents the fraction  $\frac{7}{7}$ ?

Choose the correct answer below.



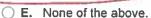


O B.

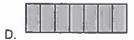


C.





Answer:

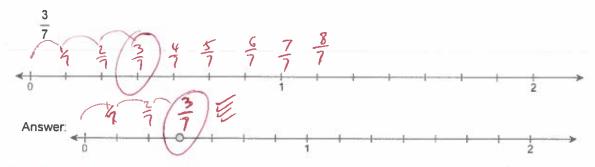


83. In an American Sign Language (A.S.L) class of 15 students, 8 are hearing impaired. What fraction of the students are hearing impaired?

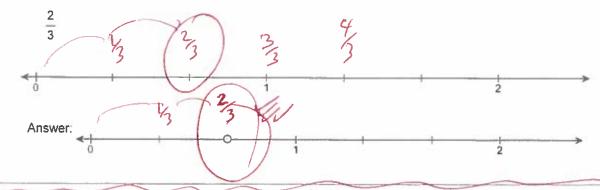
The fraction of the students that are hearing impaired is



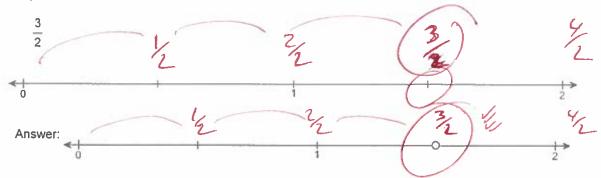
84. Graph the fraction on a number line.



85. Graph the fraction on a number line.



86. Graph the fraction on a number line.



87. Find the prime factorization of the following number.

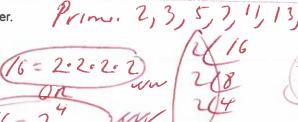
ber.  $7/m_1 = 2, 3, 5, 7, 11, 13, 5$  $52 = 2 \cdot 2 \cdot 13$  an (2) (3)

52

The prime factorization of 52 is

Answer: 2<sup>2</sup> • 13

88. Find the prime factorization of the following number.

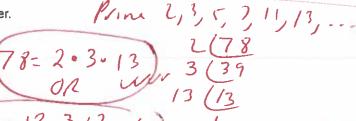


16

The prime factorization of 16 is

Answer: 24

89. Find the prime factorization of the following number.



78

The prime factorization of 78 is

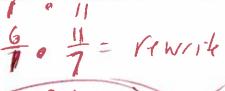
Answer: 3 • 2 • 13

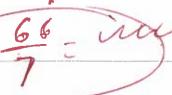
90. Perform the indicated operation.

$$6 \div \frac{7}{11}$$

 $6 + \frac{7}{11} =$  (Simplify your answer.)

Answer: 66





Prime, 2,3,57,11,13.
266
363

91. Perform the indicated operation.

$$\frac{1}{3} \div \frac{7}{6}$$

$$\frac{1}{3} + \frac{7}{6} =$$

(Type an integer or a simplified fraction.)

- $\frac{3}{4} = \frac{7}{(2)(3)} = \frac{(2)(3)}{(7)} = \frac{7}{(7)}$
- 6=2.3

Answer: 2

 $\frac{1}{3} \cdot \frac{(4(3))}{(7)} = \frac{1(2)}{7} - \left(\frac{2}{7}\right)^{\frac{1}{2}}$ 

92. Find  $\frac{1}{4}$  of 140.

1 of 140 is .

Prime 2, 3, 5,7,11,13

(Simplify your answer. Type a whole number, fraction, or mixed number.)

Answer: 35

93. Find  $\frac{9}{10}$  of 50. Write the answer in simplest form.

,

 $\frac{(3)(3)}{(1)(5)}$   $\frac{(2)(5)(5)}{(1)(5)}$ 

9 . 50

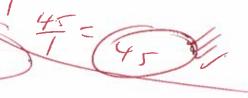
219 210 2150 319 210 2150

Answer: 45

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

- 3.799 3.8
- 3.799 3.8

3.799 3.800



Answer: <

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

0.755

0.75500

0.75500

0.75500



Answer: =

96. Round the decimal to the nearest tenth.

0.94

0.94 rounded to the nearest tenth is

Answer: 0.9



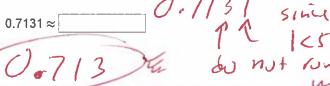
Since 425 du nut vond up

0.9 3

97.

Round 0.7131 to the nearest thousandth

Answer: 0.713

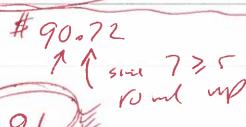


98. Round the monetary amount to the nearest dollar.

\$90.72

\$90.72 rounded to the nearest dollar is \$

Answer: 91



99. Write as a decimal.

$$3\frac{9}{100} = 3 + \frac{9}{100} = 3$$

$$3\frac{9}{100} = 3 + 0.07 =$$

Answer: 3.09



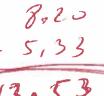
3.09

100. Add the following.

$$8.2 + 5.33$$

(Type an integer or a decimal.)

Answer: 13.53



13.53



101. Subtract and check the following.

$$15 - 3.3$$

(Type an integer or a decimal.)

Answer: 11.7

18.0

11.7

102. A landscape architect is planning a border for a flower garden shaped like a triangle. The sides of the garden measure 17.4 feet, 23.55 feet, and 22.8 feet. Find the amount of border material needed.

17.4 feet 22.8 feet feet.

The amount of border material needed is

(Type an integer or a decimal.)

Answer: 63.75

103. The bar graph shows the top five chocolate-consuming nations in the world. Use this graph to answer the following.

Which country has the greatest chocolate consumption per person?

Choose the correct answer below.

Country D

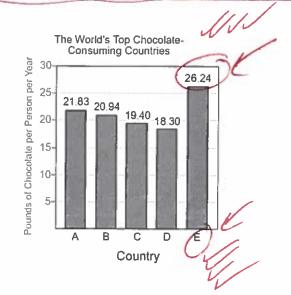
Country E

Country C

Country A

Country B

Answer: Country E



Use the values of the coins given below. Write the value of the group of coins shown to the right. To do so, it is usually easiest to start with the coin(s) of greatest value and end with the coin(s) of least value.

Nickel Dime

Quarter







\$0.01

\$0.05

\$0.10

\$0.25

The total value of the group is \$

Answer: 1.30



2/15/2019, 9:26 AN

27 of 41

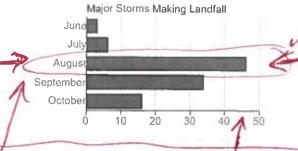
105.	Use the values of the coins given to the right. Name the different ways that coins can have a value of \$0.15 given that you may use no more than 10 coins.  Penny Nickel Dime Quarter  \$0.01 \$0.05 \$0.10 \$0.25
	Choose the correct answer below. Select all that apply.  A. 1 dime and 1 nickel  B. 1 dime and 5 pennies  C. 3 nickels and 6 pennies  D. 3 nickels  E. 2 nickels and 5 pennies  F. 1 dime, 2 nickels and 5 pennies  Answer A. 1 dime and 1 nickel  Choose the correct answer below. Select all that apply.  Answer A. 1 dime and 1 nickel  Answer A. 1 dime and 1 nickel  Answer A. 1 dime and 1 nickel  Choose the correct answer below. Select all that apply.  Answer A. 1 dime and 1 nickel  Answer A. 1 dime and 1 nickel  Answer A. 1 dime and 1 nickel  Choose the correct answer below. Select all that apply.
	Answer: A. 1 dime and 1 nickel, B. 1 dime and 5 pennies, D. 3 nickels, E. 2 nickels and 5 pennies
106.	Find the circumference of the circle in terms of $\pi$ . Then use the approximation 3.14 for $\pi$ and approximate the circumference.
	a. Find the circumference of the circle in terms of $\pi$ .
	The exact circumference is $ft$ . $C = 3.17(32)$ MVV
	b. Find the circumference of the circle using 3.14 as an approximation for $\pi$ .
	The approximate circumference is ft. (Round to the nearest hundredth as needed.)
	Answers $32\pi$
	100.48
	(100,40)
107.	A 1-ounce serving of cream cheese contains 8.2 grams of saturated fat. How much saturated fat is in 6 ounces of cream cheese? $ \begin{array}{cccccccccccccccccccccccccccccccccc$
	Answer: 49.2 $N = 49.2$
108.	The screen of a portable digital device is a rectangle that measures 3.5 inches by 2.6 inches. Find the area of the screen.
	The area is square inches. (Type an integer or a decimal.) $L = 3.5$ $W = 2.6$
	A-Z
	Answer: 9.1 $A = (3.5)(2.6)$
***********	A=9010 /W/
	Q = 9.1
of 41	2/15/2019, 9:26 AM

109.	09. A meter is a unit of length approximately equal to 39.37 inches. If s approximate height in inches?	someone is 1.85 meters tall, what is his or her
	Using the given conversion, someone who is 1.85 meters tall has a	a height of inches. × (. 35
	(Type an integer or a decimal.)	1 1/9 6 85
	39.37	3 1496
	Answer: 72.8345 $I(N) = 39-37(1-7)$	3937
	N= 12.8	34) 718345
110.	10. One year, farmers received an average of \$13.035 per bushel of w	heat. How much did a farmer receive for selling 100
	bushels of wheat?	13.035
	The farmer received \$ (Round to the nearest cent	as needed) X /03
	Answer: 1303.50	13035
		(303.50)
111.	11. Perform the indicated operation.	
	4.6 + 0.03	4.60
	4	0.03
	4.6 ÷ 0.03 = (Type an integer or a decimal.)	U (3) W
	A	7.63
	Answer: 4.63	
		750
112.	2. Find the decimal equivalent of the following fraction.	2 (100)
	14	VIV 23/19,00
		- (125)
	25	150
	$\frac{14}{25}$ =	-(n)
	25	(130)
	Answer: 0.56	010
442	2 Marita and a marinal and all all all and all all all all all all all all all al	(.75)
113.	Write as an equivalent decimal.	R 4 B. 112
	$\frac{3}{4}$	-(23)
	4	2
	3	20
	$\frac{3}{4}$ =	-(20)
		1
	Answer: 0.75	o am
114.	4. Write 3 = as a decimal 3 17 =	085
	4. Write $3\frac{17}{20}$ as a decimal.	20517.00
	3+11=	160
		100
	3+ .85=	(1)
	3 + . 85 = 3 + . 85 =	- (/00)
	Answer: 3.85	0 Pm

115. The pictograph shows last year's fruit production by **Annual Fruit Production in Top Producing Regions** the top fruit-producing regions. Which region Northern Region 369999999999 produced the greatest quantity of fruit? Mountain Region 396 99 Lake Region 94 Central Region 9 Southern Region = 15 million bushels Coastal Region Which region produced the greatest quantity of fruit? A. The central region B. The mountain region C. The coastal region D. The southern region E. The lake region The northern region Answer: F. The northern region 116. The pictograph on the right shows the number of acres Annual wheat Acreage in Selected Top States devoted to wheat production in the selected states. state A Approximate the number of acres of wheat planted in state B state D. state C state D state E state F state G = 2 million acres state H The number of acres of wheat planted in state D is approximately million acres. (Type an integer or a decimal.) Answer: 5

117.	The pictograph shows last year's fruit production by the top fruit-producing regions. Which region				
	produces about 60 million bushels of fruit?				
	3 0 Mountain Region				
	Southern Region				
	Coastal Region				
	Lake Region = 30 million bushels				
	Millin Dunels Central Region				
	Choose the correct answer below.				
	○ A. The central region ○ B. The northern region				
	C. The southern region D. The lake region				
	○ E. The coastal region ○ F. The mountain region				
	Answer: D. The lake region				
110	The nicted graph as the sight shows the graph and the graph				
110,	The pictograph on the right shows the average number of wildfires in a country between 2006 and 2012.				
	Approximate the number of wildfires 12000 F 2007				
	Approximate the number of wildfires /2 0 0 0 5 2008 2008				
	× 6 2009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	22 00 0 VE 2010 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	72,000 (2010)				
	will fires 2012 the the the start of 12,000 tires				
	The number of wildfires in the year 2010 is approximately  (Type an integer or a decimal.)				
	(Type all integer of a decimal.)				
	Answer: 72,000				
119.	The pictograph shows the annual number of wildfires in a region  Wildfires in a Region				
	between 2000 and 2005. What was the amount of increase in				
	wildfires from 2003 to 2004? 2001 🙏 🐧 🐧 🐧 🐧 🐧				
	2002 <u>A A A A A A A A A A A A A A A A A A A</u>				
	2004 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	A=12,000 fires 2005 AAAAAAA				
	The number of wildfires in the region increased by about from 2003 to 2004.				
	Answer: 18,000 /2000 2004 > 6.0 /				
	× 1.5 × 2003 -> -4.5				
	60000				
	12000				
	17000				
	18000				
-					

120. The bar graph shows the number of major storms, by month, that have made landfall in a region between 1851 and 2005. In which month did the most major storms make landfall in the region?



In which month did the most major storms make landfall in the region?

- October
- September
- June

- August
  - ) July
    - Cannot be determined

mayors storice

Answer: August

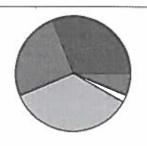
The circle graph is a result of surveying 900 college students. They were asked where they live while attending college. Use this graph to find where most of these college students live.

Choose the correct answer below.

- O A. Other arrangements
- OB. Own off-campus housing
- O. Parent or guardian's home
- O. Off-campus rental
- E. Campus housing

■ Parent or guardian's home 280
■ Off-campus rental 227
■ Campus housing 320

- Other arrangements 17
- Own off-campus housing 56



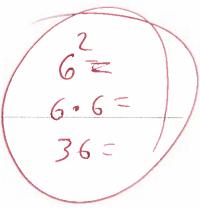
Answer: E. Campus housing

122. Find the square root.

 $\sqrt{36}$ 

Answer: 6

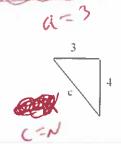
√36 =



6 =

124.

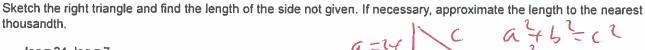
Find the length of the third side of the right triangle.



The length of the third side is

Answer: 5

thousandth.

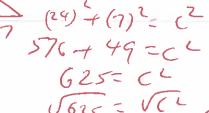


leg = 24, leg = 7

What is the length of the side not given?



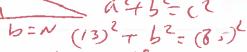
Answer: 25



Sketch the right triangle and find the length of the side not given.

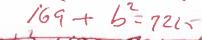
leg = 13, hypotenuse = 85





The unknown length is

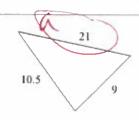
(Type an integer or decimal rounded to the nearest thousandth as needed.)

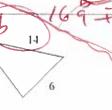


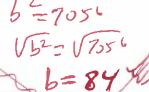
Answer: 84



Find the ratio of the corresponding sides of the given similar triangles.



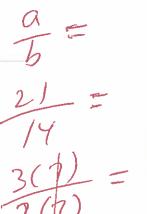


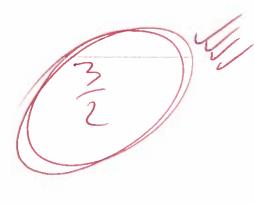


The ratio of the corresponding sides of the first triangle to the second triangle is

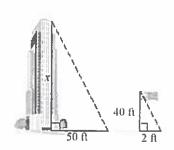
(Type the ratio as a simplified fraction.)

Answer: 3 2





127. A triangle is formed by the building's height and shadow. Another triangle is formed by the flagpole's height and shadow. Using the following diagram, find the height of the building.

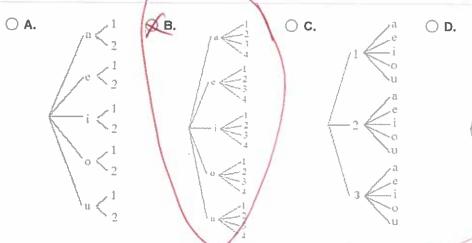


 $\frac{x}{y} = \frac{2000}{2}$   $\frac{2(x)}{2} = \frac{50(43)}{1000}$   $\frac{3x}{2} = \frac{2000}{2000}$   $\frac{3x}{2} = \frac{2000}{2000}$   $\frac{3x}{2} = \frac{2000}{2000}$ 

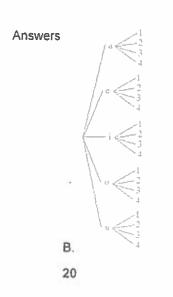
The height of the building is feet.

Answer: 1000

128. Draw a tree diagram for choosing a vowel, (a, e, i, o, u) and then a number (1, 2, 3 or 4). Use the diagram to find the number of possible outcomes.



Based on the tree, what is the number of possible outcomes?



(VONALS) (NONDON) 0 = 2 (S) (4) = 1 20 = 1 20 = 1

possible outcome

Draw a tree diagram for spinning Spinner A 3 times. Use the diagram to find the number of possible outcomes.



Based on the tree, what is the number of possible outcomes?

Choose the correct tree diagram below.

O A.

$$R \stackrel{R}{\underset{Y}{\longleftarrow}} R \stackrel{R}{\underset{Y}{\longleftarrow}} R$$

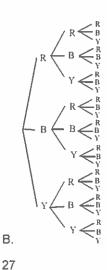
O B.

$$\begin{array}{c|c}
R & & & & & & & & \\
R & & & & & & & \\
R & & & & & & & \\
R & & & & & & & \\
R & & & & & & & \\
Y & & & & & & \\
R & & & & \\
R & & & & \\
R & & & &$$

O D.

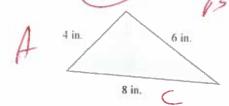
$$\begin{array}{c}
R & \stackrel{R}{\underset{Y}{\longleftarrow}} \\
R & \stackrel{R}{\underset{Y}{\longleftarrow}}$$

**Answers** 



130.	A marble is selected at random from a jar cor	ntaining 6 red marbles, 4 yellow marbles, and 5 g	reen marbles.
	What is the probability that the marble is red?		all
	The probability that the marble is red is	. (Type an integer or a simplified fract	
-	Answer: 2 5	75 0 (2) Smalls	4 40/1 W-+ GIR 6 - 6 6+4+5-15
131.	Find the perimeter of the following figure.	L=15 W=12	30
	12 ft Rectangle	P=2(15)+2(1U) P=30+24 P=54	<del>424</del> <del>54</del>
	Perimeter = (1)		
	(1)		
	Answers 54	The second of th	
	(1) ft		1
132.	Find the perimeter of the following figure.	L=47, W=37 P=2L+2W	47 37
		P=2L+2W	XS XS
	Parallelogram 37 cm	P=2(47) + 2(37)	94 74
	47 cm	P=168 W	94
	Perimeter = (1)		+74
	(1)		168
	Answers 168		
	(1) cm		

133. Find the perimeter of the following figure.



P= 4+B+C P= 4+6+8 P= 10+8 P=18

4 10 +6 +8 10 18

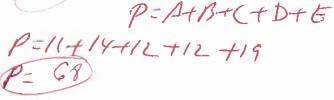
The perimeter is

- (1) O sq. in.
  - O in.

Answers 18

(1) in.

134. Find the perimeter of the figure shown to the right.



A 11 ft 12 ft 12 ft 12 ft

41

41

Perimeter = (1)

- (1) O sq. ft.
  - O ft.

Answers 68

(1) ft.



68

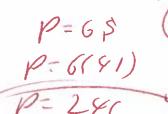
135. Find the perimeter of the regular polygon shown to the right.



- (1) O sq yd
  - O yd

Answers 246

(1) yd



4/	
x 6	11
246	

St= 41

136.		netal strip is being installed around a workbench that is 11 feet long and 4 feet wide. If the stripping costs \$5 per foot the total cost of the stripping. $\mathcal{L} = \mathcal{U}$ , $\mathcal{W} = \mathcal{Y}$		
	Total cost = \$ $P = 2L + 2w$	70721 (35)		
	P=2(11)+2(4)	X 45 VV		
	Answer: 150 $P = 22 + 8$	THE ROLL		
	P= 30	answell		
137.	7. Find the perimeter of the top of a square compact case if the lengtl	of one side is 18 inches.		
	The perimeter is (1)	10 SQUAL L=18		
	The perimeter is (1)	M=18		
	(1) O inches.	= 18 P= 2L+2W		
	o square inches.	P=2(18)-2(11)		
		(OR) P: 36+36		
	Answers 72	///		
	(1) inches. $\beta = 72$	(P=72 V//		
	(1) mores.			
138.	A rectangular room measures 13 feet by 12 feet. Find the cost of in	stalling a strip of wallpaper around the room if the		
	wallpaper costs \$0.90 per foot. $P = 2L + 2W$	L=13 W=12 26		
	Total cost = \$	2.11		
	P = 2(13) + 7(12)	I DA		
	Answer: 45.00 $p = 26 + 24$	7 700		
	P=50	400		
139.	A computer has shape of a rectangular solid. Find the volume of the	e computer, with dimensions of 3 inches by 3 inches		
	by 3.1 inches.			
	The values of the committee is	L = 3, $W = 3$ , $H = 3.1$		
	The volume of the computer is (1) (Simplify your answer. Type an integer or a decimal.)	V= LWH 3.1		
		•		
		$V = (3)(3)(3.1) \times 9$		
	ou in.	V= 9(3,1) (27,9)		
	0 30			
	Answers 27.9	1= 27.9)		
	(1) cu in.			
~				
140.	. Convert the measurement indicated. I fort-12 inch.			
	132 in to feet	17/22		
	133 :			
	132 in = ft	-(12)		
		12		
	Answer: 11	-(ii)		
- 6				
-		() (1.		

141. Convert the measurement as indicated.

14d=3feet) 13

13 yd = 13(3 feet)=

39 J

13 yd to feet

13 yd = ft

Answer: 39

142. Insert <, >, or = in the space between the paired numbers to make the statement true.

12 \_\_ 17

12	(1)			17

2 (1)\_\_\_\_



0 >

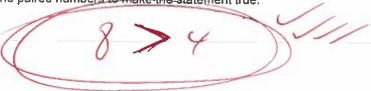
Answer: (1) <

143. Insert <, >, or = in the space between the paired numbers to make-the-statement true.

8 4



Answer: >

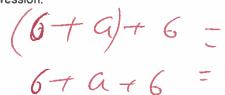


144. Use the commutative and associative properties to simplify the expression.

(6 + a) + 6

(6 + a) + 6 =

Answer: a + 12



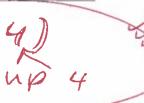
a+6+6= a+(2=)

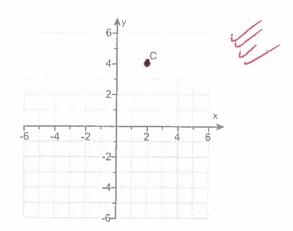
Find the x- and y-coordinates of the point C.

The coordinates of C are

(Type an ordered pair.)

2 right





Answer: (2,4)

146. Determine whether each ordered pair is a solution of the given linear equation.

2x + 3y = 13; (5,1), (2,0), (0,1)

Is (5,1) a solution to the given linear equation?

- O Yes
- O No

Is (2,0) a solution to the given linear equation?

- O No
- Yes

Is (0,1) a solution to the given linear equation?

- O No
- Yes

Answers Yes

No

No

2(2)-73/0)=13

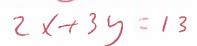
2x+3y=13

2(5)+3(1)=13

WW 10+3 =13T

4-40 213

BAD 4+13



0+3=10

BAD 3 + 13 NO

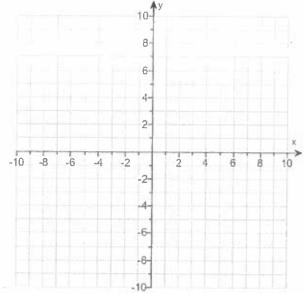
For the equation, find three ordered pair solutions by completing the table. Then use any two of the ordered pairs to graph the equation.

$$y = \frac{1}{2}x$$

Complete the table below.

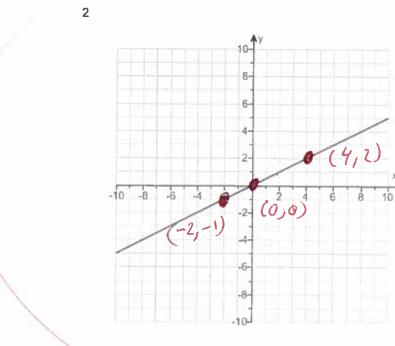
х	У
0	
-2	
4	

Use the graphing tool to graph the equation.

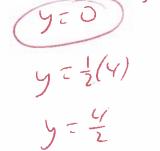




- 1



 $y = \frac{1}{2}x$   $y = \frac{1}{2}(2)$   $y = \frac{1}{2}(-1)$   $y = \frac{1}{2}(0)$   $y = \frac{1}{2}(0)$   $y = \frac{1}{2}(0)$ 

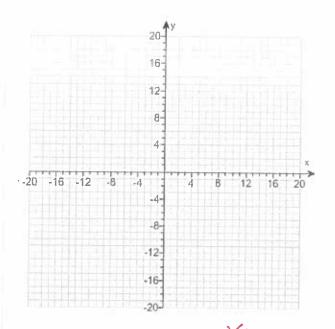


9=2) 1/

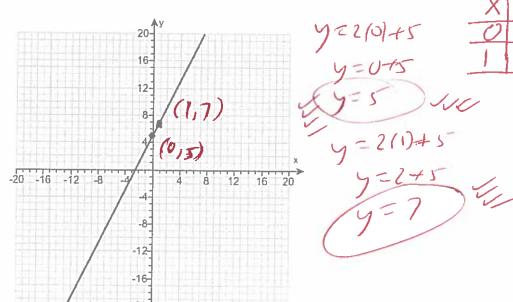
Graph the equation.

y = 2x + 5

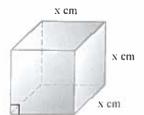
Use the graphing tool to graph the line.



Answer:



149. The function  $V(x) = x^3$  may be used to find the volume of a cube with side length x. Find the volume of a cube whose side is 9 centimeters.



The volume is

cubic centimeters. (Type an integer or a decimal.)



Answer: 729