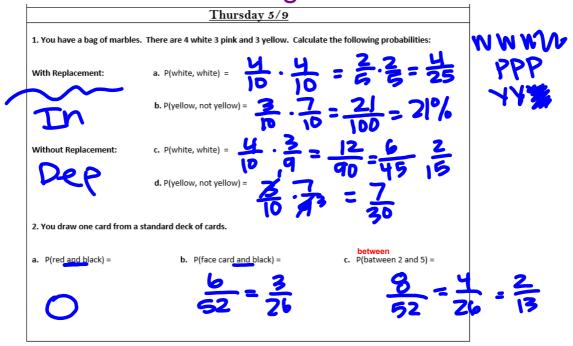
### **Bell Ringer**



correct 14.6

	HIM for		13 total				
,	Categorical Data	N	ame:	Sect	ion 14.6 Ke.v	<u> </u>	
	Part I What's your favorite color?			H	our:	- ·	
	When asked this question, the most popular color na	amed was blue	<b>.</b>				
•	Key: Male = M Female = F	<u></u>	E.C. ZP(V <sub>e</sub> )	130 200			
	Blue = B Not Slue = N  Sample size = 200	Mate	Blue 36	Not alue	Total 64		
1/2	P(B) = 84/200 P(M) = 64/200	Female	48	88	136	12pt	
	P(F B) = 48/84 $P(B F) = \frac{i4 \ g}{136}$	Total	84	116	200		
	$P(M \cap B) = \frac{31}{200}$ $P(M \cup B) = \frac{64}{200} + \frac{84}{200} - \frac{31}{200} = \frac{112}{200}$						
	Zoc		, and from the	n Harpes - C	ر المالية المالية	REPORT OF THE PORT	
Y2 pt			(ଏକ)	S	CSV		
	28 (36) 48)		male	3	19) =		
	88		(60)		B (ibs)		
					2 pts,	page:	

3

2pts

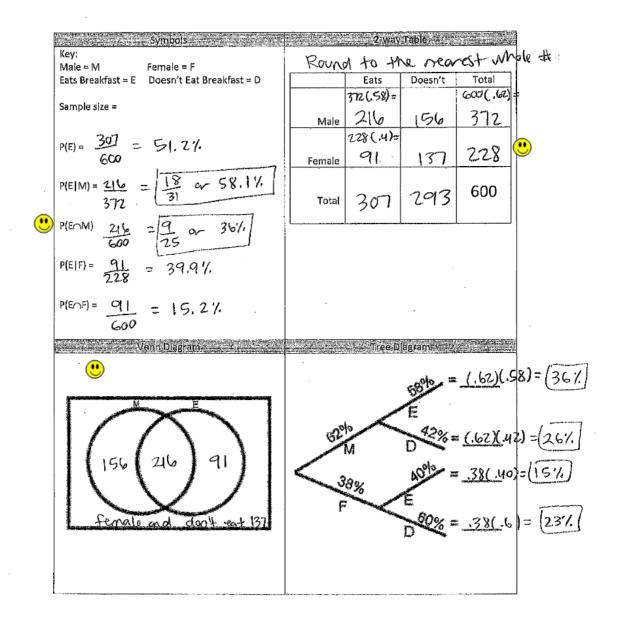
#### Part II

Are you a lefty or a righty?

Symbols			- <b>.</b>	
Key:		S. S. S. Wal	(-1.01)16	s dominio a su los di con Tr
Male = M Female = F				
Lefty = L Righty = R		Lefty	Righty	Total
Sample size = \(\CC\)	Male	7	43	50
P(L) = 1000	Female	3	47	50
$P(M) = \frac{50}{100}$	Total	1 C	90	100
P(F) = 50 100				
P(L F) = 3000				i
P(LIM) = T				
In this sample are there equal proportions of males and females who are left handed? Explain.				
No Venn Diegram	15, was 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	/ Tree D		
Control and		about absolute	GET BIN	
			$\smile$ $^{\prime}$	(0/0)
			R	ALL STREET
The state of the s			No.	
		(8)		
/F/R	, ~	No. of the last of	The same of	(.14)
	110	A STATE OF THE PARTY OF THE PAR		-
3 47 12 1	The state of the s	-0	~ (	(94)
3 ("/ 43)	The state of the s	राष्ट्रा/ह	1 marine	
7		The state of the s	The state of the s	
		(.9	)	
The residence of the second se			-	COE
				(6)

Part III

Do you eat breakfast or not?



13.1 due tomorrow - questions?

## odds

Math 2C

ID: 1 Name

13.1: Volume

Date\_ Period

Find the volume of each figure. Round your answers to the nearest hundredth, if necessary. Leave your answers in terms of  $\pi$  for answers that contain  $\pi$ .

1)







4)







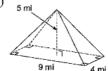
7)

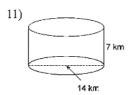


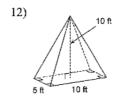


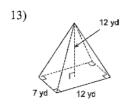


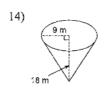
10)

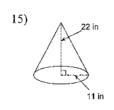


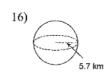




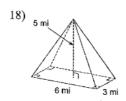


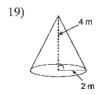


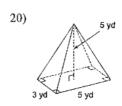












-2-

#### Review...

	Sport Utility Vehicle (SUV)	Sports Car	Totals
male	21	39	60
female	135	45	180
Totals	156	84	240

MathBits.com

What percent of females like SUVs?

What percent of people prefer sports cars?

What percent of those who prefer sports cars are female?

What percent of people are males who

what % lofmales prefer suvs?

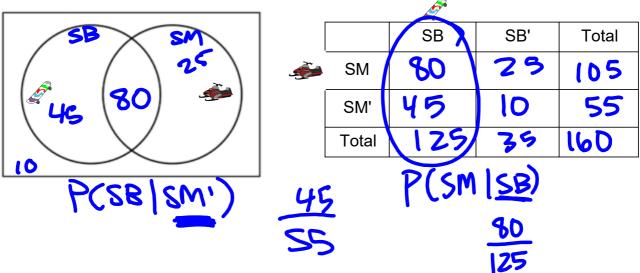
prefer SUVS?

240 89/

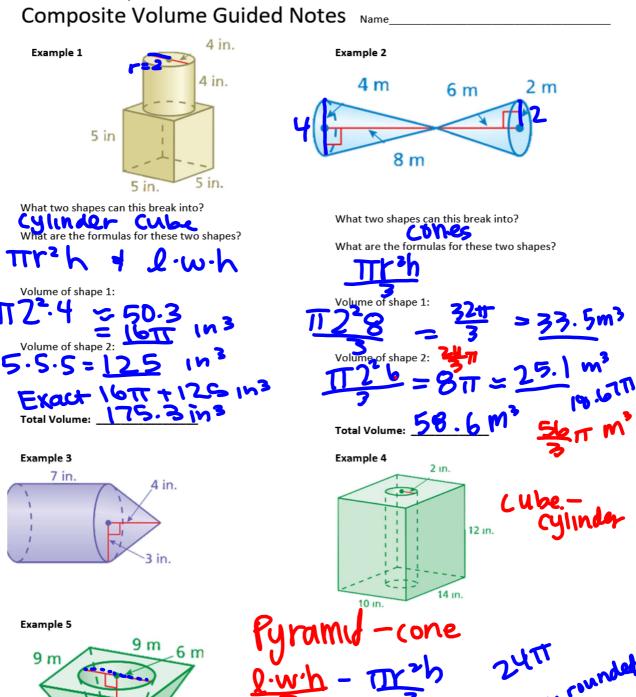
#### Create a venn diagram, and fill in the table to answer the questions

160 people were surveyed - 105 like snowmobiles - 10 don't like snowmobiles or skateboards

80 like snowmobiles and skateboards



(Discuss exact vs rounded)



# due Monday - quiz tomorrow skip #4, 6, 10, 12, 13, 14

#### Composite Volumes Sec. 13.2 Name:

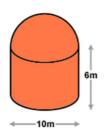
**Packaging and Shipping.** Tennis balls have a 3-inch diameter are sold in cans of three. The can is a cylinder.

- 1. What is the volume of one tennis ball?
- 2. What is the internal volume (capacity) of the cylinder?
- 3. Assume the balls touch the can on the sides, top and bottom. How much space is left over?

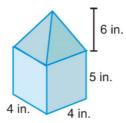


Find the volume of each composite shape.

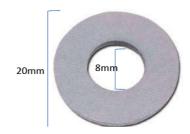
4.



5.



- 6. The following ice cream cone is filled all the way to the bottom with ice cream. Find the volume of the ice cream.
- 7. Find the volume of the following metal washer. It is 0.5mm thick.



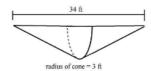
**Nutrition.** The whole cake is 9 cm high and 20 cm across. Each layer of cake is 2 cm thick, and each layer is separated by 1 cm of frosting.

8. What is the total volume of the entire cake (including the missing piece)?



- 9. What is the volume of one layer of frosting (including the missing piece)?
- What is the volume of all three layers of frosting? (including the missing piece)?
- 11. What is the volume of one layer of plain cake (without frosting) (including the missing piece)?
- What is the volume of all three layers of plain cake, without the frosting (including the missing piece)?

A cone has been split vertically down the center and the two pieces have been placed together at their bases to make a "canoe" shape. The length of the radius is 3 ft and the length of the canoe shape from end to end is 34 ft. What is the volume of the figure?



- Composite Figures Use the diagram of the backpack at the right.
  - a. What two figures approximate the shape of the backpack?
  - **b.** What is the volume of the backpack in terms of  $\pi$ ?
  - c. What is the volume of the backpack to the nearest cubic inch?



15. The sphere at the right fits snugly inside a cube with 6-in. edges. What is the approximate volume of the space between the sphere and the cube?

A 28.3 in.3

© 102.9 in.3

B 76.5 in.3

D 113.1 in.3

