

## Open ended question What's the first question that comes to mind, if any?

Date Nickname	ID	Response	oll Stats	
01/21/2015		Why is he poring popcorn in paper? How m		
		uch popcorn is in each.		
01/21/2015		Why are they using popcorn?		
01/21/2015		Area of a cone		
01/21/2015		Why were they pouring popcorn into those		
		cylinders?		
01/21/2015		Do the cylinders have the same volume?		
01/21/2015		Is there any bottom to the cylinder		
01/21/2015		Do the cylindars have the same volume?	0%	No Answer
01/21/2015		What is he doing		
01/21/2015		Why are they putting popcorn in a paper cy	100%	Free Text
		linder?		
01/21/2015		What is he doing?!?		
01/21/2015		Can we have popcorn		
01/21/2015		Will there be more popcorn in one cylinder		
		then the other?		
01/21/2015		Why are we watching this?		
01/21/2015		Why are we watching this		
01/21/2015		How much popcorn can fit in those paper c		
		ylinders?		
01/21/2015		Do the two cylinders hold the same amount		
		of popcorn?		
01/21/2015		Did it take only one popcorn bag to fill each		
		one?		
01/21/2015		Why is there popcorn		



01/21/2015	Why are they filling it with pop corn
01/21/2015	How much popcorn with fit in each cylinder
	?
01/21/2015	0.
	What is he doing why popcorn
01/21/2015	Whats going to do with all that popcorn and
	are we going to do that
01/21/2015	Do both cylinders hold the same amount of
	pocorn?
01/21/2015	What are they doing?
01/21/2015	Why was he using popcorn?

Open ended question Help me answer this: Which container will hold more popcorn? Write down a guess.

Date	Response	Poll Stats
1/21/2015	They hold the sam	
1/21/2015	Neither; they will hold the same amount of	
	popcorn because they have the same volu	
	me.	
/21/2015	They will hold the same amount because th	
	ey have the same area.	
//21/2015	They wiil hold the same amount	
/21/2015	They both will hold the same amount of po	
	pcorn.	0% No Answer
/21/2015	They are the same	
1/21/2015	They both will hold the same. The skinny o	100% Free Text
	2/22	



101/21/2015 17hey will hold the same amount 17/21/2015 17hey both will hold the same amount I think 17/21/2015 17hey will that it will be the same 17hey - Wich ever one has more i think hold 17he same of rdy - Wich ever one has more i think hold 17he same amount in each one is fatter and s 17hey will have the same because one i 17hey will have the same area 17hey 17hey are the same area 17hey 17hey will both hold the same amount of p 17hey will both hold thee same amount of p 17hey will both hold thee same amount of p 17hey will both hold thee same amount of p 17hey 17hey will hold the same amount of p 17hey 17hey will hold the same amount of p 17hey 17hey will hold the same amount of p 17hey 17hey will hold the same amount of p 17hey 17hey will hold the same amount of p 17hey 17hey will hold the same amount of p 17hey will have the same amount of popcor 17hey 17hey will have the same amount of popcor		ne is tall, and the short one is fat.
Both willhold the same amount I think	01/21/2015	They will hold the same amount
01/21/2015 Emma - I think that it will be the same Grdy - Wich ever one has more I think hold s the most  101/21/2015 they both will have the same because one I staller and skinnier and one is fatter and s horter, they have the same area  101/21/2015 One of them  101/21/2015 One of them  Oohhhhh snap you think you can trick me II ke that im not letting that slide they hold the same amount  No tricks with MEE  101/21/2015 They will both hold thee same amount of p opcorn.  101/21/2015 Same amount in each one that has popcor n  101/21/2015 Same amount  101/21/2015 Same amount  101/21/2015 Same amount  101/21/2015 Same amount	01/21/2015	They both hold the same amount
Grdy - Wich ever one has more i think hold s the most  11/21/2015 they both will have the same because one i s taller and skinnier and one is fatter and s horter, they have the same area  11/21/2015 One of them  Ohhhhh snap you think you can trick me like that im not letting that slide they hold the same amount  No tricks with MEE  11/21/2015 They will both hold thee same amount of p opcorn.  11 think they will hold the same amount because one is fatter.  Same amount in each one that has popcorn.  11/21/2015 Same amount  11/21/2015 Same amount  They will have the same amount of popcorn;  11 think they will hold the same amount because one is fatter.  11/21/2015 Same amount  11/21/2015 Same amount  They will have the same amount of popcorn;  11 think they will have the same amount of popcorn;  12/21/2015 Same amount	01/21/2015	Both willhold the same amount I think
s the most they both will have the same because one i s taller and skinnier and one is fatter and s horter. they have the same area  O1/21/2015 One of them  O2/21/2015 One of them  O3/21/2015 One of them  O4/21/2015 One of them  O5/21/2015 One of them  O6/21/2015 One of them  O6/21/2015 One of them  O7/21/2015 One of	01/21/2015	Emma - I think that it will be the same
101/21/2015 they both will have the same because one is staller and skinnier and one is fatter and shorter. they have the same area  101/21/2015 One of them 101/21/2015 One of the one is fatter. 101/21/2015 One of the one is fatter. 101/21/2015 One of the one of		Grdy - Wich ever one has more i think hold
s taller and skinnier and one is fatter and shorter, they have the same area  01/21/2015  One of them  Oohhhhh snap you think you can trick me like that im not letting that slide they hold the same amount  No tricks with MEE  01/21/2015  They will both hold thee same amount of popcorn.  1 think they will hold the same amout because one is ttaller but the other one is fatter.  01/21/2015  Same amount  01/21/2015  They will have the same amount of popcorn;  10/21/2015  Same amount  10/21/2015  Same amount  10/21/2015  Same amount  Same amount of popcorn;  Same amount  10/21/2015  Same amount  Same amount of popcorn;  Same amount of same amount of same amount of popcorn;  Same amount  Same amount of same		s the most
horter, they have the same area  01/21/2015 One of them  No tricks with MEE  They will both hold thee same amount of p opcorn.  I think they will hold the same amount because one is ttaller but the other one is fatter.  One of them  No tricks with MEE  They will both hold thee same amount of popcorn.  I think they will hold the same amount because one is ttaller but the other one is fatter.  Same amount in each one that has popcorn  one of them  No tricks with MEE  They will both hold thee same amount of popcorn  no opcorn.  I think they will hold the same amount of popcorn  no opcorn.  Same amount  They will have the same amount of popcorn;  n;)  Onl/21/2015 Same	01/21/2015	they both will have the same because one i
One of them  O1/21/2015 One of them  O1/21/2015 Onhhhhh snap you think you can trick me like that im not letting that slide they hold the same amount  No tricks with MEE  They will both hold thee same amount of popcorn.  I think they will hold the same amout because one is ttaller but the other one is fatter.  Same amount in each one that has popcorn nout 21/2015  Same amount  They will have the same amount of popcorn;  O1/21/2015 Same amount  They will have the same amount of popcorn;  O1/21/2015 Same		s taller and skinnier and one is fatter and s
Onhhhh snap you think you can trick me like that im not letting that slide they hold the same amount  No tricks with MEE  They will both hold thee same amount of popcorn.  I think they will hold the same amout because one is ttaller but the other one is fatter.  Same amount in each one that has popcorn nout/21/2015  Same amount  They will have the same amount of popcorn;  Same amount  Same amount  They will have the same amount of popcorn;  Same		horter. they have the same area
ke that im not letting that slide they hold the same amount  No tricks with MEE  O1/21/2015  They will both hold thee same amount of p opcorn.  O1/21/2015  I think they will hold the same amout becau se one is ttaller but the other one is fatter.  O1/21/2015  Same amount in each one that has popcor n  O1/21/2015  Same amount  O1/21/2015  They will have the same amount of popcor n;)  O1/21/2015  Same	01/21/2015	One of them
No tricks with MEE  They will both hold thee same amount of p opcorn.  1 think they will hold the same amout becau se one is ttaller but the other one is fatter.  Same amount in each one that has popcor n  1/21/2015 Same amount  They will have the same amount of popcor n;  Same amount  Same amount  They will have the same amount of popcor n;  Same	01/21/2015	Oohhhhh snap you think you can trick me li
No tricks with MEE  They will both hold thee same amount of p opcorn.  I think they will hold the same amout because one is ttaller but the other one is fatter.  Same amount in each one that has popcorn n  O1/21/2015  Same amount  They will have the same amount of popcorn n;)  O1/21/2015  Same amount  Same amount of popcorn;)		ke that im not letting that slide they hold the
They will both hold thee same amount of p opcorn.  1 think they will hold the same amout becau se one is ttaller but the other one is fatter.  2 Same amount in each one that has popcor n  2 Same amount  3 Same amount  4 They will have the same amount of popcor n;  5 Same  5 Same  6 Same  7 Same amount  7 Same amount  8 Same amount  9 Same  1 Same		same amount
They will both hold thee same amount of p opcorn.  1 think they will hold the same amout becau se one is ttaller but the other one is fatter.  2 Same amount in each one that has popcor n  2 Same amount  3 Same amount  4 They will have the same amount of popcor n;  5 Same  5 Same  6 Same  7 Same amount  7 Same amount  8 Same amount  9 Same  1 Same		
They will both hold thee same amount of p opcorn.  1 think they will hold the same amout becau se one is ttaller but the other one is fatter.  2 Same amount in each one that has popcor n  2 Same amount  3 Same amount  4 They will have the same amount of popcor n;  5 Same  5 Same  6 Same  7 Same amount  7 Same amount  8 Same amount  9 Same  1 Same		
opcorn.  I think they will hold the same amout becau se one is ttaller but the other one is fatter.  O1/21/2015  Same amount in each one that has popcor n  O1/21/2015  Same amount  They will have the same amount of popcor n;)  O1/21/2015  Same		No tricks with MEE
O1/21/2015  I think they will hold the same amout because one is ttaller but the other one is fatter.  Same amount in each one that has popcor n  O1/21/2015  Same amount  O1/21/2015  They will have the same amount of popcor n;)  O1/21/2015  Same	01/21/2015	They will both hold thee same amount of p
se one is ttaller but the other one is fatter.  01/21/2015  Same amount in each one that has popcor n  01/21/2015  Same amount  They will have the same amount of popcor n;)  01/21/2015  Same		opcorn.
Same amount in each one that has popcor n  01/21/2015 Same amount  Same amount  They will have the same amount of popcor n;)  01/21/2015 Same	01/21/2015	I think they will hold the same amout becau
n 01/21/2015 Same amount 01/21/2015 They will have the same amount of popcor n;) 01/21/2015 Same		se one is ttaller but the other one is fatter.
01/21/2015       Same amount         01/21/2015       They will have the same amount of popcor n;)         01/21/2015       Same	01/21/2015	Same amount in each one that has popcor
They will have the same amount of popcor n;)  01/21/2015  Same		n
n;) 01/21/2015 Same	01/21/2015	Same amount
01/21/2015 Same	01/21/2015	They will have the same amount of popcor
		n;)
04/04/004F	01/21/2015	Same
U1/21/2015 The first one	01/21/2015	The first one



	Or the second one
01/21/2015	They will both hold the same amount beca
	use its the same size paper
01/21/2015	They will both hold the same amount of po
	pcorn
01/21/2015	The same, they have the same surface are
	a. I loke pie, and cake and popcorn. I LOV
	E POPCORN. POPCORN. POPCORN. P
	OPCORN. POPCORN. POPCORN. POP
	CORN
01/21/2015	They hold the same amount of popcorn.

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Date	Response	Poll Stats	
01/21/2015	The popcorn is the same size and amount		
01/21/2015	Voolumee		
	Why didnt they use pizza		
01/21/2015	The volume the height and the area would		
	be nice to know. I		
	Have popcorn in my lunch!		
01/21/2015	The volume of the cylinders		
01/21/2015	How much popcorn is in the bag?	4%	No Answer
01/21/2015			
01/21/2015	The radius of the cylinder and the hight, to the	96%	Free Text



		ind the volume
01/21/2015		If its the same type of paper
01/21/2015		The volume of both cylinders
01/21/2015		The area
01/21/2015		Emma - the height and the base of both cyli
		nders, so you can find the area
		Grdy the fat one is da bomb, no info neede
		d
01/21/2015		The volume of the cylinders
01/21/2015		The area
01/21/2015		A new fact is that there shalln't be any trick
		s sliding through thy. There shalln't be noth
		ing to pass by thy. It also might be useful to
		know that he used the same paper for bot
		h cylinders. No tricks eith me.
01/21/2015		The height of the whole cylinder, the area o
		f the base.
01/21/2015		The volume of each cylinder
01/21/2015		That the papers are the same size unlesss
		the popcorn bag have different amounts in
		them
01/21/2015		The volume of the cylinders
01/21/2015		Hjow much popcorn is being filled
01/21/2015		The shorter one is wider and the taller one i
		s skinny.
01/21/2015		One of them is skinner and the other one is
		smaller but fatter
01/21/2015		Is it the same kind of popcorn



01/21/2015	The height and width of the cylinders
01/21/2015	How much popcorn? Area of the paper? Is
	there a bottom? Are they the same size? P
	OPCORN MAKES ME HUNGRY. POPCO
	RN MAKES ME HUNGRY. POPCORN M
	AKES ME HUNGRY. POPCORN MAKES
	ME HUNGRY. POPCORN MAKES ME H
	UNGRY. POPCORN MAKES ME HUNGR
	Y. POPCORN MAKES ME HUNGRY. PO
	PCORN MAKES ME HUNGRY. POPCOR
	N MAKES ME HUNGRY. POPCORN MA
	KES ME HUNGRY. POPCORN MAKES M
	E HUNGRY. POPCORN MAKES ME HUN
	GRY. YUMMY
01/21/2015	The volume of the cylinders.

Draw it Feel free to do any figuring here. If your work is done on paper, please take a photo and submit it instead.

Date Nickname	ID	Drawing
01/21/2015		93.5. U.S. II. 11. 11. 11. 11. 11. 11. 11. 11. 11
01/21/2015		THEY ARE TWINNING!!!  This guys hair is a filtered to the second of the



01/21/2015	TET AND
01/21/2015	110 Samurana ara ara ara ara ara ara ara ara ara
01/21/2015	11.11 Saye 151.
01/21/2015	
01/21/2015	
01/21/2015	45.5 11.11. 11.11. 45.7



01/21/2015 01/21/2015 01/21/2015 01/21/2015 01/21/2015 01/21/2015

01/21/2015	
01/21/2015	
01/21/2015	Same area
01/21/2015	935 Significant Property of the Control of the Cont
01/21/2015	
01/21/2015	



01/21/2015



01/21/2015



01/21/2015



01/21/2015



01/21/2015





## Poll Which container will hold more popcorn?

Date	Nickname ID	Response	Poll Stats	
01/21/2015				
01/21/2015		They will hold equal amounts of popcorn		
01/21/2015	_	They will hold equal amounts of popcorn		
01/21/2015		They will hold equal amounts of popcorn		
01/21/2015	_	They will hold equal amounts of popcorn		
01/21/2015		The first container (on the left)		
01/21/2015	_	They will hold equal amounts of popcorn		
01/21/2015		They will hold equal amounts of popcorn		
01/21/2015		They will hold equal amounts of popcorn	4%	No Answer
01/21/2015		They will hold equal amounts of popcorn		
01/21/2015		The first container (on the left)	19%	The first container (on the left)
01/21/2015		They will hold equal amounts of popcorn		
01/21/2015		The second container (on the right)		The second container (on the right)
01/21/2015		They will hold equal amounts of popcorn	7%	The second container (on the right)
01/21/2015	_	The first container (on the left)		
01/21/2015		They will hold equal amounts of popcorn	70%	They will hold equal amounts of popcorn
01/21/2015		They will hold equal amounts of popcorn		
01/21/2015		They will hold equal amounts of popcorn		
01/21/2015		They will hold equal amounts of popcorn		
01/21/2015		They will hold equal amounts of popcorn		
01/21/2015	_	They will hold equal amounts of popcorn		
01/21/2015		The first container (on the left)		
01/21/2015	_	They will hold equal amounts of popcorn		
01/21/2015		The first container (on the left), The second		
		container (on the right), They will hold equ		



	al amounts of popcorn
01/21/2015	They will hold equal amounts of popcorn

## Open ended question In your own words, create a title for this lesson.

Date Nickname	ID	Response	Poll Stats
/21/2015		Cylicorn	
/21/2015		Mr. Confuzzling Strikes Again	
/21/2015		Trickster Mc Trickster	
/21/2015		Popcorn Trick	
/21/2015		Tricky problem	
/21/2015			
/21/2015		Trick Questions	
/21/2015		Confusing math with popcorn	
/21/2015		The Popcorn Trick	8% No Answer
/21/2015		You tricked us	
/21/2015			92% Free Text
/21/2015		The extremly confusing, no idea what just	
		happened, and strange expieriment!	
/21/2015		Cool Dude	
/21/2015		Fake	
/21/2015		The Trickster Lesson with Popcorn	
/21/2015		Volume Trick with Popcorn	
/21/2015		Confusing popcorn trickes that go against	
		math i am pretty sure	
/21/2015		Popcorn and Paper	
/21/2015		Popcorn Manina with Cylinders	