

Name:						Date:													
	S	tue	der	nt E	Ξxp	olor	ati	on:	: Ro	un	din	g V	۷h	ole	Νι	ım	ber	'S	
Vo	cabu	lary:	mid	point	., mu	ltiple,	roun	ıd, wh	nole nu	umber									
The wh gyr nee	e diaq o are m whe ed to	gram on tl en a run t	to th heir v sudd o the	e rig vay f len s nea	ht sh rom torm rest	nows f the lib hits. buildir	our sorary The song.	studei to the stude	e nts	Library	Ron	Karen		Mori			Sco	ott	
Giz	zmo \	Warn	n-up	0	W.		0	_				-	·				7		
			_			6 bers (9 10 ets you	11 u inve	12 stiga	13 te wh	14 nat it	15 mear	16 as to	17 roun	18 I d nu	19 Imbe	20 ers
Be	gin by	/ exp	lorin	g the	nun	nber li	ine ir	n the (Gizmo).									
1.						s the r		ers 0	to 10	. How	man	y nur	nber	s is th	nis? _.			-	
2.	Click	the) b	uttoi	n ond	ce. No	ow wl	hat nu	umber	s are	show	/n?		t	o				
3.	Click	Zoc	om o	ut or	nce. '	What	happ	ened	I to the	e num	ber li	ne? _							
4.									he 📐 until it										om

Where is the red dot located? _____

Activity A: • Select **Round to nearest Ten** in the top left menu. Nearest ten • Click **Zoom in** and the click the **D** button so that the number line shows 10 to 20. To round a number to the nearest 10, find the closest multiple of 10. Some numbers will "round up" to a higher multiple of 10, while others will "round down" to a lower multiple of 10. 1. Be sure the number line shows the numbers 10 to 20. A. What are the two multiples of 10 you see on the number line? _____ and _____ B. Click Hill. Drag the red dot to 13 and let go. What happens? _____ You just rounded 13 down to the nearest multiple of ten, which is 10. The number 13 rounds to 10 because 13 is closer to 10 than it is to 20. C. Of the numbers 10 to 20, which are closer to 10? D. Of the numbers 10 to 20, which are closer to 20? E. What number is exactly halfway between 10 and 20? 2. Click **Flat**. Click the button twice so that the number line shows the numbers 30 to 40. A. What are the two multiples of 10 you see on the number line? and B. Predict which numbers will round to 30: ______ C. Predict which numbers will round to 40: _____ D. Click Hill. Use the Gizmo to check your answers to B and C. E. A number that is exactly halfway between two others is the midpoint of those

Get the Gizmo ready:

3. Use the Gizmo to round the numbers below to the nearest ten.

41	46	45	83
88	99	105	117

numbers. What number is the midpoint between 30 and 40? _____

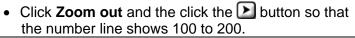
By common rule numbers at the midpoint are rounded up.

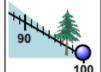
F. Drag a dot to 35. Click **Nudge midpoints**. What does 35 round to? _____

Activity B: Get the Gizmo ready: • Select Round to

Nearest hundred

• Select Round to nearest Hundred.





To round a number to the nearest hundred, find the closest multiple of 100.

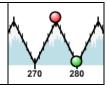
1.	Click Flat . Be sure the number line shows the numbers 100 to 200.												
	A.	What are the two	multiples of 100 yo	u see on the num	iber line?	and							
	В.	Drag dots to 129	, 141, and 163. Pred	dict what these nu	ımbers will rou	ınd to.							
		129	141	163 _									
		Click Hill to check your answers to B.											
	C.	C. Find the largest number that rounds to 100											
	D.	Find the smalles	t number that round	s to 200	(Don't forget the	he midpoint rule.)							
2.	Click Flat . Click the button once so that the number line shows the numbers 200 to 300.												
	A.	. What is the midpoint between 200 and 300?											
	В.	Compare each of the numbers below to the midpoint between 200 and 300. Based on that, predict how they will round to the nearest hundred.											
		219	253	_ 275 _		206							
		Use the Gizmo to	check your answe	rs to B. Correct yo	our answers if	necessary.							
3.	In this	question you will	round 435 to the nea	arest hundred with	hout using the	Gizmo.							
	A.	The number 435	is between what tw	o multiples of 100)? and								
	B.	What is the midpoint between those two multiples of 100?											
	C.	. Is 435 less than or greater than that midpoint?											
	D.	. What is 435 rounded to the nearest hundred?											
		Use the Gizmo to	check your answe	rs to A through D.	Correct them	if necessary.							
4.	Round	d the numbers belo	ow to the nearest hu	ndred. Check you	ır answers wit	h the Gizmo.							
	18	1	350	1070	32								

Activity C:

Nearest ten and hundred

Get the Gizmo ready:

- Select Round to nearest Ten.
- Set the number line to show 0 to 100.



Any number can be rounded to the nearest ten or the nearest hundred.

1.	. Click Flat. Drag dots to 25, 50, and 63.									
	A. Predict how those three numbers will round to the nearest ten.									
		25		50		63				
	В.	Click Hill to	check your	answers to A	. Use Nu d	lge midpoints if r	necessary.			
	50, and 63 again.									
		25		50		63				
	D.	Click Hill to	check your	answers to C	. Use Nuc	lge midpoints if r	necessary.			
2.	Round	239 to the	nearest ten:	Rou	nd 239 to	the nearest hund	red:			
3.	neares	t ten is 350	and 350 rou		nearest hu	-00 because "348 ndred is 400." Εχρ if you like.				
4.			•	e number scav		nt below. unded to the near	rest ten			
	, (.									
	В.	Find all the	numbers th	at become 15	0 when ro	unded to the near	est ten.			
	C.			at become 15 ne nearest hui		unded to the near	rest ten <u>and</u> becom	е		