Toble of Contents

·	Pg. 3	Teacher Notes
0	Pg. 4–5	Lesson I-Building Numbers
•	Pg. 6-8	Lesson 2-Naming Numbers
	Pg. 9-11	Lesson 3-Forms of Numbers
	Pg. 12–13	Lesson 4-Place Value Scavenger Hunt
	Pg. 14–16	Lesson 5-If I Had a Million Dollars
'. 0	Pg. 17–19	Lesson 6-Ten Times a Number
•	Pg. 20–22	Lesson 7-Dividing by Ten
•	Pg. 23–25	Lesson 8-Animal Line Up
:	Pg. 26–27	Lesson 9-Comparing Numbers
•	Pg. 28–29	Lesson 10-Ordering Numbers
•	Pg. 30-33	Lesson II-Nice Numbers
•	Pg. 34	Lesson 12-Making the Rounds
	Pg. 35-37	Lesson 13-Finding the Midpoint
	Pg. 38-43	Lesson I4-Roll and Round
	Pg. 44-45	Lesson 15-Rounding Scavenger Hunt
	Pg. 47-48	Place Value Practice I
•	Pg. 49-50	Place Value Practice 2
2	Pg. 51–52	Place Value Practice 3
ŀ	Pg. 53–54	Place Value Practice 4
·	Pg. 55-56	Place Value Practice 5

Pg. 57–58	Multiply by Ten
Pg. 59–60	Place Value Cut and Paste
Pg. 61-62	Changing Places
Pg. 63–64	Comparing Numbers
Pg. 65-66	Comparing & Ordering Numbers
Pg. 67–68	Rounding Practice I
Pg. 69-70	Rounding Practice 2
Pg. 71	Rounding Riddles
Pg. 72-73	Rounding Practice 3
Pg. 74-75	Rounding Practice 4
Pg. 77-78	Comparing Numbers
Pg. 79-86	I Have Who Has Place Value
Pg. 87-90	Place Value Concentration

•

o

<u>0</u>

Teacher Notes

00

I sincerely hope that you and your students enjoy this place value and rounding unit! This unit has been designed around the Common Core Standards, but you should find the content useful in any fourth grade classroom. In this unit you will find performance tasks to conceptually teach new skills through the workshop model, as well as work station activities and games for review.

I have included a suggested pacing guide below. I like to supplement my math workshop lessons with a brief skill practice sheet each day. You may also notice that on Tuesdays and Thursdays, rather than including a performance task, I have included a content specific game. Even if you choose to not implement math work stations, I think you will find the games useful in any setting! As always, feel free to contact me if you have any questions. ashleigh_60@hotmail.com

hers	Lesson I	Lesson 2	Lesson 3	Lesson 4	Lesson 5
Representing Numbers	What Comes Next	Naming Numbers	Forms of Numbers	Place Value	If I Had a Million
resenti	Skill: Place Value	Skill: Place Value	Skill: Place Value	Scavenger Hunt	Dollars
Rep	Practice I	Practice 2	Practice 3	Skill: Place Value 4	Skill: Place Value 5
s & bers	Lesson 6	Lesson 7	Lesson 8	Lesson 9	Lesson 10
Size of Digits & Comparing Numbers	Ten Times a Number	Dividing by Ten	Animal Line Up	Comparing Numbers	Comparing and Ordering Numbers
Size . Compar	Skill: Multiply by Ten	Skill: PV Cut and Paste	Skill: Changing Places	Skill: Comparing Numbers	Skill: Comparing & Ordering Numbers
	Lesson II	Lesson 12	Lesson 13	Lesson I4	Lesson 15
Rounding	Nice Numbers	Making the Rounds	Finding the Midpoint	Roll and Round	Rounding Scavenger Hunt
Ro	Skill: Rounding Practice I	Skill: Rounding Practice 2	Skill: Rounding Riddles	Skill: Rounding Practice 3	Skill: Rounding practice 4

Unit at a Glance

Detailed Lesson Plans

Lesson I Building Numbers

Materials

base-ten blocks (optional)

base ten paper

Mini Lesson

Materials

Mini-lesson

Standard

This task teaches that ten in any materials and ask What piece of

Allow students to work in pairs or

Standard: 4NBT2 Read and write multi-

le numbers using base-ten

number names, and expanded

he next position. Distribute b represent one? Guide

students into understanding that one square unit would represent one. Then ask students when building numbers, what would come next? Help students understand that ten squares grouped together make a tens piece. Ask students what would you build after the tens piece? Students should realize that ten strips grouped together form the hundreds piece. Again, ask students what would be grouped together next? Show students how to tape ten hundreds pieces together to create a model of one thousand.

Work Time

Work Time

models of base-ten strips and squares to continue finding what model would come next. All students should be able to create a model of 10,000 and hopefully 100,00. Students will need a significant amount of room for the 100,000 model. You may want to provide students with a role of bulletin board

Closing

Students will share their models

paper or chart paper.

Closing

ey created their models

and what challenges they had. Students may ask questions or make comments using accountable talk.

Intervention

Essential Questions

Intervention mbers.

Extension s to use base-ten blocks

Have students combine th even larger number. Let : high they can go.

Extension

How does our base ten number

Essential Questions

lerstanding the base ten m help us add and

Formative Assessment

What's a consistent pattern seen as the place values are being

What is the meaning

Formative Assessment

15 Conceptual Lessons

Base-Ten Paper Blocks	Hill (press) to the sur		IG NUMBER	Trome DLAC		Diose,	
	+ 2005	1 5769	E	PLAC	E VALUE	SCAVENG	The sector tells in
	+11	án tha thi den the tilles	ng wellow i	WAD-CL	(0,40 8	24 is no page	about
	- A BODY						
	- tourn	In Peorth Hiter	A Autor	to he lengths			
	8			3 — Tie kydrali plęti			
	. S furtured here	for heated in white	Telleran	S e Par Procendações			
	hindred bioarch	r Pours Pour	6 Andrik	Zin Ne fer Prozentis plans	-		
	Ī		1	2 in the transfered Hockwards place			
	1		F		-		h
	4 300ml		F	Where the handwark place has a value of \$500			-
	heiden	in Praints Trian	n holes	Officer Pro Transitional States			
	1			Direct No. Int. Nameshi			- Ci
	- ti i i i i i i i i i i i i i i i i i i	+++++++C	0011	office the science of 201000			1
				and the second s		1 1	
	le contra de la co			Nourards place has a selve of 100 000			te
					1 10 00 10 10 10 10		
╶┧╼┼╌┝┼╌╎╌╎╌┼╌┼╌┥╸╽	tere'.		~		· · · · · ·	0.0.0	····
╶┧╼╞╌╞╼╞╌╞╌╞╌╞╌┝╌┝╌┝╌┝╌┝╌┝╸┝╸┥╸╸	Gara .	TIMES /			••••••••••••••••••••••••••••••••••••••		• • •
Are allow appendix and a single allow and as s	tions					• • •	
Are alway a reproductive where a reproductive of the rest of the r	New TEN The set of t	n, ana atsa Nagan a 	in that to this, our so		anti at annis an g	la Barris Barcorist Isa	UP
The arrive type and provide the type of the arrive the type of the	teres	n, ana atsa Nagan a 	in that for this car in heritrate	Inter of 00000	anti at annis an g	la Barris Barcorist Isa	and day is the mass of west
The article type and the type of the art of art of the	tiens	n, ana atsa ta pan a 	in that to this our in heritrate	Inter of 00000	anti at annis an g	la Barris Barcorist Isa	and day is the mass of west
The arrive type and provide the type of the arrive the type of the	Terres	n ann Mais Na pice ai 	n cart to this year of	Inter of COLOCO	which anno set y	a fan a fa coint (ar re 00 pars	and day is the mass of west
Are allow types and a series of the open open open open open open open ope	teres TEN The ter subjective problem the types grows to the Depley I Certains Inter- Serbird Serbird 2 October Inter-	n ann Mais Na pice ai 	netroli to the part of the par		which anno set y	a fan a fa coint (ar re 00 pars	and day is the mass of west
All all the second of the seco	Terres	n ann Mais Na pice ai 	n cart to this year of		which anno set y	a fan a fa coint (ar re 00 pars	and day is the mass of west
An arrive and a second	teres TERN these to subject to public the formation of the terms to the terms of terms	n den Alla Na pipe al	netrol. See		rands of least and y graves (1000 per	le fleri a fle soriet be re 00 pers	and day is the mass of west
An arrive and a second a second and a second a s	teres TERN blue ter subjective problem the blue term in the blue blue i Certares Inter- i Certares Inter- browned i Certares Inter- i Certares	n den Alla Na pipe al	nedrot brits our of	Inter of COLOCO	rands of least and y graves (1000 per	le fleri a fle soriet be re 00 pers	and day is the mass of west
And a Trive type of the effect of generalized and the second and t	teres	n den Alla Na pipe al	n cart to this your at a second to this your at a second to this your at a second to the second to t	Inter of 00.000	rands of least and y graves (1000 per	le fleri a fle soriet be re 00 pers	and day is the mass of west
An arrive and a second a second and a second a s	tans TERN bits to sufficient problem for the performance of the	n den Alla Na pipe al	n cart to this your at a second to this your at a second to this your at a second to the second to t	Inter of 00.000 Colored Property and the Property and the second Pro	rando est ineresti and y granes (1000 per Renar 12 tenus la gar y Renar 10 tenus la gar y Renar 10 tenus la gar	le frei à fa scriet be re 00 pars Norents	and day is the mass of west
And a Trive type of the effect of generalized and the second and t	tans TEN bits to sufficiency other politics for just are not interesting of the lipseling i Coltanue inter <u>Augenti</u> for the sum <u>Augenti</u> for the sum <u>Augentia</u> for the sum <u>Augentia</u> for the sum	n dran Bilan Na piper al Na h Novemb	n cart to this your at a second to this your at a second to this your at a second to the second to t	Inter of 00.000 Inter of 00.000 Inter of the partners of the Inter Inter of the par	rando est ineresti and g granes (1000 gra Rena (2 fenai la gar e Rena (2) fenai la gar e Rena (2) fenai la gar	e for he berry tot	and day is the mass of west

15 Practice Sheets

		Done			Η			+	
	PLA	CE VALUE PRA			8				
PLACE VALUE 4	a digita la redigita la redictore	o period. Common segan de Pes period often encenter: eller se a ser a Pes vilan al recel d se area errela.		P	LACE VAL	LUE C	UT ANI		IV3
Standard Form Expanded Form Expanded Form	- H	ded fam.		Lution 2	New York		torium. 2	Des fer Seg	
In hadred forty-two Phonetral, was handred fofty-tax 300,000-4,000-200-80-7		ion Procession from Incordinal Application Procession from Incord APP groups on 2005/22/04/047	D.						
regist for take take to be a set of the set		nilled forms ,		e e e e e e e e e e e e e e e e e e e		-	7	0 es 700 8	6
380.52 237.564		n un flus figm							
Find the value of the underlined dgs. Find the pairs value of the underlined dgs. Safet the pairs locas Number: Walve Number: Place Value 353.207 391.50v Write a cash the hordwal the same to poor two soles of the normal		500,000+80,000+200	H	2+	10 2+100.000	ist.	3+1000	2,100	1+10.000
300,373 80.895	10000		TTH	00	7 10000048	1000.6	1.4	10000.	7 0.8
52779 2(537	_ ⊘ _⊙	0. 0.0	0 . 0	0 0	1		2		
	200 0 000000000000000000000000000000000	••••	ACES						
	200 0 000000000000000000000000000000000	Original and the solution of the B Here about the solution of the B Here about the Solution Michine Solution of the B Here and the Solution of the B Here and the Solution of the B	ACES		ROUND	Down ING			AFY
SE2794 SE2794 SE2794 SECONT		Their about the roles of the B in the number VEREV Micha a different sector where the Bis worth fee from a math	ACES		ROUND	Distant ING contract the	PRACT3	ICE 4	
SE2.794 3(C.SE1 SE2.794 3(C.SE1 SE2.79	CHA	Their about the roles of the B in the number VERPS Michies a different social about the Bis world for form a mail. Their and the roles of the Gas for number GB/CT Hose can spectra proceed the roles.			ROUND	Distant ING contract the	PRACTI	ICE 4	N.
SE2.791 30:081 10 10 10 10 10 10 10 10 10 10 10 10 10		Their stand the solar of the B in the number HORN Mode is different surface above the Bis surfly for from a multi- tion stand the solar of the factor surface CBAT How		Nation	ROUND	Distant ING contract the	PRACT3	ICE 4	
SE2.791 30:000 - D 20000 - D 2000 -	CHA	Their should the solar of the R in the scalar WORN Mode a different sense above the R and the first sense that R and the solar of the G at the scalar GRUP Hose on participation GRUP Hose on participation R and	CES	Notice 4.301	ROUND	Distant ING contract the	PRACT3	ICE 4	
52279 38:381 52279 38:381 52279 38:381 52279 38:381 52279 38:381 52279 38:381 52279 38:381 52279 38:381 52279 38:380 52279 38:380 52279 38:380 52279 52:380 52:380 52:380 52:381 52:380 162:381 40:32:38 162:381 40:32:38 17:391 40:32:38 18:392:381 40:32:38 19:393 40:32:38 19:394 40:30:30-30:000-50:000-500-80-80-80 19:3949 40:30:30-30:000-50:000-50:000-60-80 19:3949 40:30:30:30:30:30:30:30:30:30:30:30:30:30	CHA	Their stood the solar of the B in the number 400 RN Mole a different samber above the Bis and 6 for from a made. Their similar the volue of the fair the number 60 RUT flow on you represent the volue of the E is an attribute. Similary trees 07 Works as 500 segmeasure. Start		Neter 4.381 22.45	ROUND	Distant ING contract the	PRACT3	ICE 4	
32279 30000 400000 40000 40000 <t< td=""><td>CHA</td><td>Their stout the solar of the R in the system VOSIN' Mode a different series along the R and the system is a result. Their stand the spherical file (i.e. the spherical VOSIN' How on you repeat WHCT How on your repeat WHCT How on the spherical VOSIN' How of the S is a country installer.</td><td>CES</td><td>Norter 4.381 22.465 306.376</td><td>ROUND</td><td>Distant ING contract the</td><td>PRACT3</td><td>ICE 4</td><td></td></t<>	CHA	Their stout the solar of the R in the system VOSIN' Mode a different series along the R and the system is a result. Their stand the spherical file (i.e. the spherical VOSIN' How on you repeat WHCT How on your repeat WHCT How on the spherical VOSIN' How of the S is a country installer.	CES	Norter 4.381 22.465 306.376	ROUND	Distant ING contract the	PRACT3	ICE 4	
32771 35030 32071 30000 32071 30000 32071 30000 32071 30000 32000 <td>CHA</td> <td>Their should be solve of the B in the solution VOSIN' Mode a different solver the B is worth for free amount to solve the free amount of the two solver GBC How on the solver GBC How How particular SH(GBC How How particle SH(GBC How How particle</td> <td></td> <td>Norter 4.381 22.465 306.376 285.67</td> <td>ROUND</td> <td></td> <td>PRACT3</td> <td>CCE 4</td> <td></td>	CHA	Their should be solve of the B in the solution VOSIN' Mode a different solver the B is worth for free amount to solve the free amount of the two solver GBC How on the solver GBC How How particular SH(GBC How How particle		Norter 4.381 22.465 306.376 285.67	ROUND		PRACT3	CCE 4	
32/271 30/381 32/271 30/381 32/271 30/381 32/271 30/381 32/271 30/381 32/271 30/381 32/271 30/381 COMPARING & ORDERING NUMBERS Comparison Symbol Number 2 152/181 100.000-20.000-50.000-100-80 as hardwal Harry fast Steaded, two hardwal Strity fast 632.96 11 Comparison Symbol Number 2 152/181 100.000-20.000-50.000-100-80 as hardwal Harry Hausand, two hardwal strity fast 632.96 11 100.000-10.000-20.000-20.000-7 12 100.000-10.000-1000-100-80 13 100.000-10.000-20.000-20.000-7 14 100.000-10.000-1000-100-80 15 100.000-1000-1000-100-7 16 100.000-1000-1000-100-80 16 100.000-1000-100-80 17 100.000-1000-100-80 18 100.000-1000-100-80 18 100.000-1000-100-80 18 100.000-1000-100-80 18 100	CHA	Their stood the solar of the B in the number 400 RN Mode a different samber above the Bis and filling a set of the filling and the Bis and filling a set of the Sin the number 638 VE7 How on your represent the value of the E is a well placed on the number 628 VE7 How on your represent the value of the E is a well placed on the number of the solar of the E is a well placed on the filling the E is a well placed on the filling the E is a well placed on the number 544.032		Norter 4.381 22.45 306.376 285.67 873.524	ROUND Corrections to the Round to the Round to the		PRACT3 PRACT3 Round to the re Found to the re	CCE 4	Round to the nearest
S2771 30100 S2771 S2000 S2771 S2000 S2771 S2000 S2000 S2000 S2000 S2000 S2000 S2000 S2000 S2000 S2000 S2000 S2000 S20000 S2000 S20000 S2000 S20000 S2000 S20000 S2000 S20000 S2000 S2000 S20	CHA	Their stood the solar of the B in the system VO.81N Mode a different sampler above the Bas works for from 20 model. Their sampler CB.427 How on you represent the solar of the Ear work particle on the system CD approximation for the size CD approximation for the the system solar at the 3 m the sparse solar at the 3 m the sparse solar at the 3 m.		Narier 4.381 23.465 306.376 265.67 873521 Narier	ROUND Corrections to the Round to the Round to the		PRACT3 PRACT3 Round to the re Found to the re	CCE 4	Round to the nearest
302.771 300.000 200.000 <t< td=""><td>CHA</td><td>Their stood the solar of the B in the system VO.81N Mode a different sampler above the B is worth for term in much been the system of the Sin the system of the Content of the system of the Sin One of the Sin term of the Sin of the Sin term of the Sin One system of the Sin the Sin the system of the Sin The system of the Sin The system of the Sin The system of the Sin The system of the Sin</td><td>The Con- end of the second sec</td><td>Norier 4.381 22.465 305.376 285.97 873.524 Norier 246.465</td><td>ROUND Corrections to the Round to the Round to the</td><td></td><td>PRACT3 PRACT3 Round to the re Found to the re</td><td>CCE 4</td><td>Round to the nearest</td></t<>	CHA	Their stood the solar of the B in the system VO.81N Mode a different sampler above the B is worth for term in much been the system of the Sin the system of the Content of the system of the Sin One of the Sin term of the Sin of the Sin term of the Sin One system of the Sin the Sin the system of the Sin The system of the Sin The system of the Sin The system of the Sin The system of the Sin	The Con- end of the second sec	Norier 4.381 22.465 305.376 285.97 873.524 Norier 246.465	ROUND Corrections to the Round to the Round to the		PRACT3 PRACT3 Round to the re Found to the re	CCE 4	Round to the nearest
S227h 30:31 Image: Same and	CHA	Their stood the solar of the B in the system VO.81N Mode a different sampler above the Bas works for from 20 model. Their sampler CB.427 How on you represent the solar of the Ear work particle on the system CD approximation for the size CD approximation for the the system solar at the 3 m the sparse solar at the 3 m the sparse solar at the 3 m.		Numier 14.381 23.465 506.376 285.67 873.524 Numier 246.465 508.64	ROUND Corrections to the Round to the Round to the		PRACT3 PRACT3 Round to the re Found to the re	CCE 4	Round to the nearest

3 Games

