Standards addressed by these problems: 4.NBT.4 (see linked document regarding a standard algorithm)

Overall purpose of these problem types: *Students will use their understanding of base ten to solve multidigit addition/subtraction problems within 100,000. Possible problems that can be used to address are JRU, JCU, JSU, SRU, SCU, PPW-WU, PPW-PU.*

(NOTE: Any of these problems can be used as a pre/post test or ongoing assessment of students' understanding.)

JRU (Join-Result Unknown)/Add To Result Unknown:

Maria has _____ dollars saved up to buy a car. For her birthday her mom gave her _____ more dollars. How much money does Maria have altogether? (3,000; 3,000) (3,000; 3,010) (6,100; 700) (1,610; 175)

Jace and his family were taking a trip to Hawaii. They will fly in two different airplanes to get there. On the first flight, they flew _____ miles. The second flight, they travelled _____ more miles. How many miles did they travel in total?

(2,575; 3,399) (1,199; 2,101) (3,500; 1,199) (2,501; 2,299)

There are ______ people that attended the first Razorback football game. ______ people attended the
second Razorback football game. How many people attended the first two Razorback football games?
(68,200; 78,300) (75,250; 79,300) (80,250; 68,310) (63,250; 78,360)

During the fair, Cristin popped a gigantic amount of kernels of corn. On Monday, she popped _____kernels of corn. On Tuesday, she popped _____more kernels of corn. How many kernels of corn didCristin pop altogether?(16,400; 18,500)(242,420; 183,500)(10,425; 8,420)(16,485; 25,526)

JCU (Join-Change Unknown)/Add To Change Unknown:

Cori had _____ grains of rice in her kitchen. How many more grains of rice does she need to have _____ grains of rice altogether?

(15,200; 30,450) (20,200; 28,499) (35,299; 60,499) (28,698; 41,000)

Maddox and his grandfather planned a huge camping trip at Table Rock Lake. In the morning they walked ______ steps. At noon they stopped to eat lunch. After lunch, they walked some more steps. Maddox and his grandfather walked a total of ______ steps. How many steps did they walk minutes after lunch?

(10,120; 21,240) (12,170; 26,240) (11,170; 23,330) (11,169; 23,330)

SRU (Separate-Result Unknown)/Take From Result Unknown:

Hobby Lobby has	beads in their craft o	collection. They sold	beads last month. H	ow many
beads does Hobby L	obby have left?			
(8,300; 7,100)	(23,350; 15,100)	(38,350; 21,150)	(48,350; 13,199)	

Wal-Mart purchased many pencils to sell during the back to school season. After the first week of salesthey had sold _____ pencils. They had started with ____ pencils in the beginning. How many pencils dothey have left to sell?(12,100; 25,000)(16,150; 20,000)(23,350; 37,700)(83,359; 100,805)

Last Revised 9-12-12

Chuck-E-Cheese Pizza	a makes a large amount o	of pepperoni pizzas.	_ pepperonis were ordered. On
Saturday, pepp	peronis were used to ma	ke pizzas. How many per	operonis were left?
(5,500; 4,100)	(22,450; 16,100)	(30,450; 19,120)	(19,400; 12,120)
There were lea	aves on the trees in the for wes are left on the trees?	orest. A strong gust of w	ind blew leaves off of the
(189,700; 54,200)	(165,780; 105,210)	(335,795; 179,225)	(458,750; 228,275)
SCII (Senarate-Chang	e Unknown)/Take From	Change Unknown:	
Mars Company make made more M	s a large number of M&N &Ms in 2011. Mars Com	As each year. They mad pany had made M&	e some M&Ms in 2010. They &Ms in total for 2010 and 2011.
How many M&Ms did	d they make in 2010?	· · ·	
(250,302; 500,550)	(225,285; 400,500)	(205,325; 455,625)	(251,375; 449,650)
During Elliot's birthda points Then, Elliot an another two hours ar points did the team e	ay party they played tean d his friends took a breal nd earned points. T earn before they ate pizza	n Laser Tag. The team p k to eat pizza. After they hey earned points a?	layed for an hour and earned some ate the pizza, the team played for altogether. How many Laser Tag
(60,150; 120,500)	(224,375; 140,834)	(90,100; 143, 415)	(115,165; 149,326)
Wal-Mart got a new s right away. There we sell that first week?	shipment of erass re only erasers lef	ers for the start of the sc t after the first week of s	hool year. They sold many erasers ales. How many erasers did they
(450, 45; 250,18)	(458,45; 250,150)	(775,150; 500, 76)	(100,25; 695, 78)
Pesnell Elementary So the playground. Pesr the new swing set?	chool has box tops. hell Elementary now has	The school spent some box tops left. How	of the box tops on a new swing for many box tops were used to get
(100, 48; 128, 8)	(125,105; 48,	15) (265,152; 199	9, 50) (269,195; 199,19)
PPW-WU (Part-Part- The Arkansas Razorba LSU fans. How many (47,500; 38,500)	Whole, Whole Unknown acks played against LSU i fans were there altogeth (54,499; 52,499)	n)/Put Together Take Ap n November. There were ner? (65,750; 30,225)	art, Total Unknown: Performation Razorback fans and (50,798; 49,275)
Rogers Public Library books, and fa (12,100; 16,800; 14,2	has a large quantity of b iry tales. How many fiction 100) (26,100; 33,110; 28	ooks. There are far on books does the librar 3,110) (18,110; 15,105;	ntasy books, realistic fiction y have altogether? 17,101) (23,110; 16,105; 20,108)
All of the fourth grad winter break, the fou another AR po (18,300; 24,400)	e students in Arkansas se rth graders had earned _ ints. How many AR poin (27,300; 22,490)	et an accelerated reading AR points. At the e ts did they earn during the (48,320; 56,520)	g goal for the school year. Before end of the school, they had earned he school year? (45,320; 58,590)
PPW-PU (Part-Part-V During the Benton Co	Vhole, Part Unknown)Pu ounty Fair, lots of red and	It Together Take Apart, I blue tickets were sold.	Addend Unknown: They sold tickets altogether.

_____ of the tickets were red and the rest were blue. How many of the tickets were blue? (300,25; 150,15) (300, 26; 159,15) (715,39; 225, 118) (911, 150; 499,89)

4th Grade