	in-Saginaw ISD Addition Strategies:	Multiplication:	Fractions:	20 Subtraction Strategies:
		In our first multiplication unit, students	In 3 rd grade, students will continue their	Adding Up
	onico stadontis anacistana piaco valao,	will develop an understanding of when	understanding of fractions to include fraction	
		and how to use multiplication.	of a whole, fractions of a number line, and	related, many students prefer to add
		Multiplication is used when we need to	fractions of a set of objects.	up rather than subtract. This is an
		combine many equal groups. There are	One way 3 rd grade students determine	appropriate strategy because it uses
	combined. When combining quantities	a variety of strategies students will be	the name of a fraction is counting by	skill most students are strong in
	childron can work from left to right	learning about to help them combine	unit fractions. This strategy is also	(addition) and most students are les
	because the magnitude of the numbers is	these groups until they have	helpful to learn the fractional sequence	likely to make mistakes.
	not changed.	memorized all their multiplication facts.	so they can label number lines.	500 - 246 = 254 1,000 - 734 =
	23 + 48		Think: -, -, - or -, -, 1 whole	
			Reasoning about Fractions:	
			Which fraction has a smaller shaded	Subtracting by Place Value
			piece? Explain your thinking.	
			$\left(\frac{4}{7}\right)$	Once students are comfortable skip
				counting forward and backward by
ort				10s, subtracting by place value
bpc	Or using the partial sums algorithm:		4 5	becomes a natural mental strategy.
Sul	÷ , ÷	Commutative Property		this strategy, students decompose t
)t/	23	4X3 has the same product as 3X4. If I	Equivalent Fractions:	second number into its expanded
nei	+48	already know 3X4, then I also know	Students will explore the relationship	form and then subtract it in parts.
/er	60	4X3.	between thirds and sixths, and halves,	500-246 =
-jo	+11	Distributive Property	fourths, and eighths.	-40 -200
	71	Decompose one of the factors in a	Sarah explained it	
a	/1		PUTTING TO PROVIDE THE PROVIDENT OF THE	
ent	Or using equations:	multiplication problem into easier	sixths, you	
Jan	20 + 40 = 60	parts then multiply and combine the	THE SECTION AND A SECTION AND A	and the second sec
L F	3 + 8 = 11	parts.	the first and the second second second	Of Schreden Tarly by Place Value with Ec 500-200=300
Suggestions for Parental Involvement/Support	60 + 11 = 71			300-40=260
sti	Adding One Numbers in Parts			Subtracting Back
jĝe	Students begin with one of the addends		Perimeter and Area:	In the subtracting back
Suc	and add up using numerical relationships		Perimeter is the measurement around an	students can decompose the number
0,	such as tens and ones, make ten facts or	Fact Fluency:	object. Students can add all the side	
		By the end of 3 rd grade, students will be	lengths to find perimeter. They will also	that is being subtracted in any way
		expected to know the basic facts up to	calculate missing lengths of sides when	that makes the problem easier to
	Show your thinking using picures:	10X10. Until we can get those facts	given the total perimeter.	solve. Students typically choose to u
		known, students will be encouraged to	7 in 7 in The perimeter of this	landmark numbers (multiples of ten
		use mental math and the distributive	the permeter of this	or basic fact computations that they
		property to solve facts they are still	pentagon is 40 inches.	are comfortable with. See below.
		working on. See above example.	What is the length of the	
		To help your child learn their facts, ask	8 in <u>sein aig</u> I as the	
		your child questions such as the	Area is the measurement of the space	
		following:	inside a 2D shape. Students will begin by	
	Or using a number line:	Which factor could you break	using square tiles to cover the inside of a	
	+10 +10 +10 +10 +2 +5 +1	down into easier parts?	shape and then move to length X width.	
		Which two or three facts can we	They will also decompose an irregular	
	· 63*0570≡41 • 24=	focus on this week?	shape into smaller shapes and add the	
	Or using equations:	IUCUS UTI UTIS WEEK ?	areas of both together to find the total	
	Or using equations:		area.	
	23 + 10 + 10 + 10 + 10 = 63			
	63 + 7 = 70 70 + 1 = 71	1		