



y the	e end	of first	grade	e, stud	ents c	ire exp	pecte	d to a	dd an	d subtro	act fluently (without counting) within
	Zero ir	n Additio	n		D	oubles, oubles P	lus One				·
	Addir ment	ng 1, 2, o ally	r 3		M (a	ake a Te dding 7,	n 8, 9)				<b>Doubles, Double Plus One</b> 6 + 6 - Think Double 6 is 12.
+	0	I	2	3	4	5	6	7	8	9	$6 + \frac{7}{10}$ Think Double 6 is 12 plus one is 1
0	0 + 0	0 + 1	0 + 2	0 + 3	0 + 4	0 + 5	0+6	0 + 7	0 + 8	0 + 9	6+1
I	I + 0	1+1	1 + 2	1 + 3	1 + 4	1+5	1+6	1 + 7	1+8	1+9	Make a Ten
2	2 + 0	2 + 1	2 + 2	2 + 3	2 + 4	2 + 5	2 + 6	2 + 7	2 + 8	2 + 9	9 + 5 - Think: I know $9 + 1 = 10$ ; $10 + 4 = 1$
3	3 + 0	3+1	3 + 2	3 + 3	3+4	3 + 5	3+6	3 + 7	3 + 8	3 + 9	$\bigwedge_{1+4}$ So, I know $9+5=14$
4	4 + 0	4+1	4+2	4+3	4+4	4 + 5	4+6	4 + 7	4 + 8	4 + 9	$8 \pm 4$ - Think: I know $8 \pm 2 \equiv 10$ : $10 \pm 2 \equiv 1$
5	5 + 0	5+1	5+2	5+3	5+4	5 + 5	5 + 6	5 + 7	5 + 8	5 + 9	$\int_{-1}^{1} \int_{-1}^{1} \int_{-1}^{1$
6	6 + 0	6 + 1	6+2	6 + 3	6 + 4	6 + 5	6 + 6	6 + 7	6 + 8	6 + 9	2+2 SO, 1 KNOW 8 + 4 - 12
7	7 + 0	7 + 1	7 + 2	7 + 3	7 + 4	7 + 5	7 + 6	7 + 7	7 + 8	7 + 9	7 + 6 - Think: I know $7 + 3 = 10$ ; $10 + 3 = 1$ .
8	8 + 0	8 + 1	8 + 2	8 + 3	8 + 4	8 + 5	8+6	8 + 7	8 + 8	8 + 9	
9	9 + 0	9+1	9+2	9+3	9+4	9+5	9+6	9 + 7	9 + 8	9 + 9	3+3 So, 1 know 7 + 6 = 13

## **Organize, Represent, and Interpret Data**

Students work as a class to collect, represent, and interpret personally relevant data. They will begin to organize data on a graph and begin to ask question about the number of data points in a given category.

A group of people were asked "What is your favorite class?" Organize the data using tally marks.

Math	
P.E.	
Science	



How many people like Math? <u>3 people like Math</u> How many people like Science? <u>2 people like Science</u> How many people like P.E.? <u>4 people like P.E.</u> What subject do people like the least? <u>Science</u> Write a number sentence that tells the number of people interviewed. 3 + 4 + 2 = 9 Students will again interpret data sets to ask and answer various questions and word problems.

How many more
students like red shirts
than white shirts? 2

How many students were polled in all? <u>20</u>

How many fewer students voted for red shirts than blue shirts? 1

How many more students would need to vote for white shirts to have the same number votes as red shirts? <u>2</u>

6	
20	hool Shirt Color
red	
blue	
white	
	Number of Shirts

\$7 \$7

☆ ☆ \$?