

Math Facts to Know for 2nd Graders going to 3rd Grade

Facts with sums and differences to 20

Create flash cards for each grouping of facts with the answer on the back.

Practice them one grouping at a time until you know them from memory by the end of the summer.

Making 10 (Composing)	Breaking Apart 10 (Decomposing)	Doubles Facts to Know		Other Facts to Know +1/-1	
$10 + 0 = 10$	$10 - 0 = 10$	$0 + 0 = 0$	$6 + 6 = 12$	$2 + 1 = 3$	$3 - 1 = 2$
$9 + 1 = 10$	$10 - 1 = 9$	$1 + 1 = 2$	$7 + 7 = 14$	$3 + 1 = 4$	$4 - 1 = 3$
$8 + 2 = 10$	$10 - 2 = 8$	$2 + 2 = 4$	$8 + 8 = 16$	$4 + 1 = 5$	$5 - 1 = 4$
$7 + 3 = 10$	$10 - 3 = 7$	$3 + 3 = 6$	$9 + 9 = 18$	$5 + 1 = 6$	$6 - 1 = 5$
$6 + 4 = 10$	$10 - 4 = 6$	$4 + 4 = 8$	$10 + 10 = 20$	$6 + 1 = 7$	$7 - 1 = 6$
$5 + 5 = 10$	$10 - 5 = 5$	$5 + 5 = 10$	$12 - 6 = 6$	$7 + 1 = 8$	$8 - 1 = 7$
$4 + 6 = 10$	$10 - 6 = 4$	$2 - 1 = 1$	$14 - 7 = 7$	$8 + 1 = 9$	$9 - 1 = 8$
$3 + 7 = 10$	$10 - 7 = 3$	$4 - 2 = 2$	$16 - 8 = 8$	$10 + 1 = 11$	$11 - 1 = 10$
$2 + 8 = 10$	$10 - 8 = 2$	$6 - 3 = 3$	$18 - 9 = 9$	$12 + 1 = 13$	$13 - 1 = 12$
$1 + 9 = 10$	$10 - 9 = 1$	$8 - 4 = 4$	$20 - 10 = 10$	$13 + 1 = 14$	$14 - 1 = 13$
$0 + 10 = 10$		$10 - 5 = 5$		$14 + 1 = 15$	$15 - 1 = 14$
+2/-2				$15 + 1 = 16$	$16 - 1 = 15$
$1 + 2 = 3$	$3 + 2 = 5$	$4 + 2 = 6$		$16 + 1 = 17$	$17 - 1 = 16$
$5 + 2 = 7$	$6 + 2 = 8$	$7 + 2 = 9$		$17 + 1 = 18$	$18 - 1 = 17$
$9 + 2 = 11$	$10 + 2 = 12$	$11 + 2 = 13$		$18 + 1 = 19$	$19 - 1 = 18$
$12 + 2 = 14$	$13 + 2 = 15$	$14 + 2 = 16$		$19 + 1 = 20$	$20 - 1 = 19$
$15 + 2 = 17$	$16 + 2 = 18$	$17 + 2 = 19$	+4/-4		
$18 + 2 = 20$	$3 - 2 = 1$	$5 - 2 = 3$	$1 + 4 = 5$	$2 + 4 = 6$	$3 + 4 = 7$
$6 - 2 = 4$	$7 - 2 = 5$	$8 - 2 = 6$	$5 + 4 = 9$	$7 + 4 = 11$	$8 + 4 = 12$
$9 - 2 = 7$	$11 - 2 = 9$	$12 - 2 = 10$	$9 + 4 = 13$	$10 + 4 = 14$	$11 + 4 = 15$
$13 - 2 = 11$	$14 - 2 = 12$	$15 - 2 = 13$	$12 + 4 = 16$	$13 + 4 = 17$	$14 + 4 = 18$
$16 - 2 = 14$	$17 - 2 = 15$	$18 - 2 = 16$	$15 + 4 = 19$	$16 + 4 = 20$	$5 - 4 = 1$
$19 - 2 = 17$	$20 - 2 = 18$		$6 - 4 = 2$	$7 - 4 = 3$	$9 - 4 = 5$
+/- 3			$11 - 4 = 7$	$12 - 4 = 8$	$13 - 4 = 9$
$1 + 3 = 4$	$2 + 3 = 5$	$4 + 3 = 7$	$14 - 4 = 10$	$15 - 4 = 11$	$16 - 4 = 12$
$5 + 3 = 8$	$6 + 3 = 9$	$8 + 3 = 11$	$17 - 4 = 13$	$18 - 4 = 14$	$19 - 4 = 15$
$9 + 3 = 12$	$10 + 3 = 13$	$11 + 3 = 14$	$20 - 4 = 16$		
$12 + 3 = 15$	$13 + 3 = 16$	$14 + 3 = 17$			
$15 + 3 = 18$	$16 + 3 = 19$	$17 + 3 = 20$			
$4 - 3 = 1$	$5 - 3 = 2$	$7 - 3 = 4$	$15 - 3 = 12$	$16 - 3 = 13$	$17 - 3 = 14$
$8 - 3 = 5$	$9 - 3 = 6$	$11 - 3 = 8$	$18 - 3 = 15$	$19 - 3 = 16$	$20 - 3 = 17$
$12 - 3 = 9$	$13 - 3 = 10$	$14 - 3 = 11$			