

National Council for Teachers of Mathematics

THE NCTM is the world's largest mathematics education organization. NCTM publishes four professional journals, including *Teaching Children Mathematics* and *The Mathematics Teacher*. For more information go to www.nctm.org.

Process standards are embedded in every activity and assessment. We use problem solving as an application of skills. We invite our students to reason through math processes and make sense of their answers. We have students represent values in a multitude of ways, from pictures and symbols to fractions and decimals. Students make connections between math content areas such as addition and multiplication, and between math and other subject areas through problem-solving applications. Finally, activities encourage the children to communicate their understanding in speaking, writing, and computation.

Children and Math

Students will begin the year at different stages of readiness, and core knowledge will vary from one individual to another. Because students have different styles and rates of learning, we have provided inclusion strategies throughout, as well as suggestions for integrated learning that can motivate and help them make real-life connections. All students begin in a positive atmosphere.

Third-grade students will be able to understand abstract ideas and make choices about how they learn. Allow them to share suggestions with you and the class. Use activities to show math skills at work in games, sports, shopping, cooking, and scheduling. To address a variety of learning styles, we have included active and engaging activities that appeal to multiple intelligences. These can be supported by observation, demonstration, and manipulatives.

Good Advice!

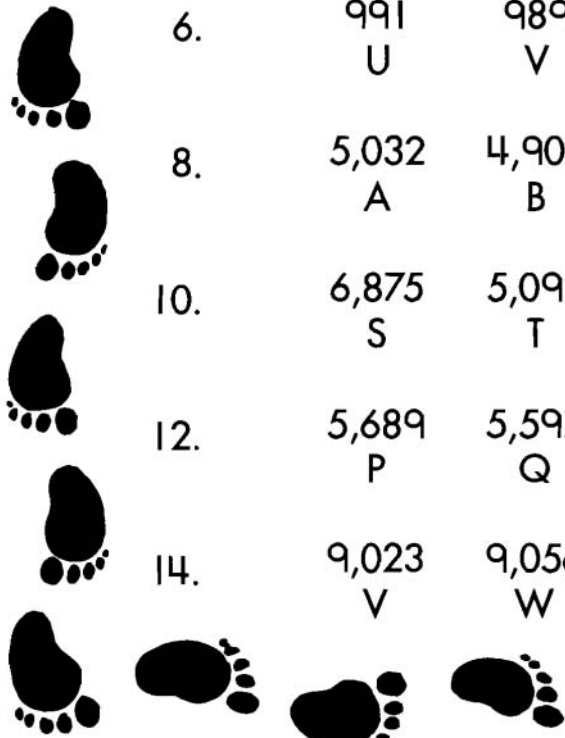
Working through a single problem or two daily will keep skills fresh in a child's mind. Begin each class with a short skill review before a new skill is addressed.

I'd Walk a Mile

Directions:

Circle the letter below the greatest number. Write the letters in the blanks below. Find out how many steps you might take to walk a mile.

1.	347 M	475 N	743 O	2.	899 L	989 M	998 N
3.	789 D	897 E	879 F	4.	123 R	132 S	231 T
5.	802 H	798 I	800 J	6.	991 U	989 V	990 W
7.	8,435 Q	2,476 R	9,165 S	8.	5,032 A	4,905 B	2,480 C
9.	7,419 C	7,914 D	4,997 E	10.	6,875 S	5,092 T	6,298 U
11.	8,795 V	8,576 W	8,091 X	12.	5,689 P	5,597 Q	5,794 R
13.	4,127 H	4,190 I	4,118 J	14.	9,023 V	9,056 W	9,100 X
15.	7,904 X	7,910 Y	7,909 Z				



_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	
1	2	3	4	5	1	6	7	8	2	9	
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	
10	3	11	3	2	5	6	2	9	12	3	9
_____	_____	_____	_____	_____							
10	13	14	4	15							

Whole Number Addition and Subtraction

1. What is the sum of 129 and 382?
- a. 411 b. 421 c. 511 d. 4011
2. Which addends have a sum greater than 6,000?
- a. 2,345 + 3,543 b. 1,891 + 4,275
c. 2,543 + 3,345 d. 1,189 + 4,275
3. Find the difference of 438 and 97.
- a. 535 b. 461 c. 441 d. 341
4. Which number sentence is incorrect?
- a. $4,321 - 516 = 3,805$ b. $4,516 - 321 = 4,195$
c. $4,321 - 615 = 3,706$ d. $4,615 - 321 = 4,214$
5. One adult ticket to the movies costs \$8.25. A child's ticket costs \$5.50. How much more expensive is the adult ticket?
- a. \$13.75 b. \$3.75 c. \$3.25 d. \$2.75
6. Benj scored 5,690 points on his pinball game. Lia scored 715 points more than Benj. What was Lia's score?
- a. 6,504 points b. 6,405 points
c. 5,975 points d. 4,975 points
7. What is the sum of 675; 1,394; and 828? _____
8. Find $2,103 - 1,962$. _____
9. Callie bought two hamburgers for \$2.79 each and a bottle of water for \$1.50. How much change did she receive from a \$10.00 bill? _____
10. McLean School has 792 students, while Warwick School has 512 students. Rounded to the nearest hundred, about how many more students are at McLean than at Warwick? _____

