

# HOW TO USE THIS BOOK

*180 Days of Math for First Grade* offers teachers and parents a full page of daily mathematics practice activities for each day of the school year.

## Easy to Use and Standards-Based

These activities reinforce grade-level skills across a variety of mathematical concepts. The questions are provided as a full practice page, making them easy to prepare and implement as part of a classroom morning routine, at the beginning of each mathematics lesson, or as homework.

Every first-grade practice page provides 8 questions, each tied to a specific mathematical concept. Students are given the opportunity for regular practice in each mathematical concept, allowing them to build confidence through these quick standards-based activities.

Question	Mathematics Concept	NCTM Standards
1	Number Sense	Understands numbers, ways of representing numbers, relationships among numbers, and number systems
2	Addition	Understands meanings of operations and how they relate to one another; Computes fluently and makes reasonable estimates; Develops and uses strategies for whole-number computations, with a focus on addition and subtraction
3	Subtraction	
4	Algebraic Thinking	Understands patterns, relations, and functions; Models situations that involve the addition and subtraction of whole numbers, using objects, pictures, and symbols
5	Geometry	Analyzes characteristics and properties of two-dimensional and three-dimensional geometric shapes and develops mathematical arguments about geometric relationships; Describes attributes and parts of two- and three-dimensional shapes
6	Measurement	Understands measurable attributes of objects and the units, systems, and processes of measurement; Recognizes the attributes of length, volume, weight, area, and time
7	Data Analysis	Formulates questions that can be addressed with data and collects, organizes, and displays relevant data to answer them
8	Word Problem/Logic Problem or Mathematical Reasoning	Builds new mathematical knowledge through problem solving; Solves problems that arise in mathematics and in other contexts

*Standards are listed with the permission of the National Council of Teachers of Mathematics (NCTM). NCTM does not endorse the content or validity of these alignments.*

NAME: \_\_\_\_\_

**DIRECTIONS** Solve each problem.

SCORE

1. 😊 😐

1. Write the number word for 58.

\_\_\_\_\_

2. 😊 😐

2.  $7 + 6 = \square$

3. 😊 😐

3. 
$$\begin{array}{r} 16 \\ - 7 \\ \hline \square \end{array}$$

4. 😊 😐

4. Write the missing sign.

$12 \square 5 = 7$

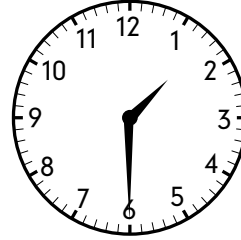
5. 😊 😐

5. Draw toothpaste on top of the toothbrush.



6. 😊 😐

6. Write the time.



half past \_\_\_\_\_

\_\_\_\_ / 8

Total

7. Children in Class

Boys	Girls
7	10

How many more boys are needed to equal the number of girls?

\_\_\_\_\_

8. 😊 😐

8. There are 20 questions on a test. Mark missed 3 questions. How many questions did Mark get correct?

\_\_\_\_\_

NAME: \_\_\_\_\_

**DIRECTIONS** Solve each problem.

1. 80 has \_\_\_\_\_ tens  
and \_\_\_\_\_ ones.

2.

$$\begin{array}{r} 9 \\ + 5 \\ \hline \square \end{array}$$

3.  $19 - 0 = \square$

4. True or false?  
 $6 + 8 = 7 + 7$

\_\_\_\_\_

5. Can you stack a  
cube on top of a  
sphere?

Circle:    yes    no

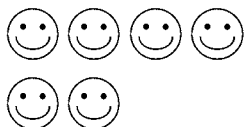


6. Circle the months  
that have 31 days.

January

February

March

7. Favorite Subject

Math	
Reading	
Science	

How many more  
children like math  
than reading?

\_\_\_\_\_

8. Write two different  
subtraction number  
sentences with the  
numbers 3, 5, and 8.

\_\_\_\_\_

\_\_\_\_\_

SCORE1.  2.  3.  4.  5.  6.  7.  8.  

\_\_\_\_ / 8

Total

NAME: \_\_\_\_\_

**DIRECTIONS** Solve each problem.

SCORE

1. 😊 😐

1. Fill in the circle with  $<$ ,  $>$ , or  $=$ .

45 ○ 64

2. 😊 😐

2.  $3 + 1 + 0 = \square$

4. 😊 😐

3. 
$$\begin{array}{r} 16 \\ - 8 \\ \hline \square \end{array}$$

5. 😊 😐

4.  $9 - \square = 5$

6. 😊 😐

5. Draw a rectangle.  
Draw a line of symmetry.

7. 😊 😐

8. 😊 😐

\_\_\_\_ / 8  
Total

6. Is this object longer than your pencil?

Circle: yes no



7. Use the data from the chart. Write a statement about how many more children come to school by bus than by bike.

Ways We Get to School

Car	Bike	Bus	Walk
6	2	10	7

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

8. Add two 10s to the number 62.

\_\_\_\_\_

NAME: \_\_\_\_\_

**DIRECTIONS** Solve each problem.

1. What is the largest number that can be made with the numerals 5 and 6?

\_\_\_\_\_

2.

$$\begin{array}{r} 2 \\ 2 \\ + 1 \\ \hline \square \end{array}$$

3.  $17 - 9 = \square$

4.

$$\begin{array}{r} \square \\ - 7 \\ \hline 6 \end{array}$$

5. Draw a shape with six sides.

6. You have 2 pencils that are the same length. If 1 pencil measures 5 cubes, how long are 2 pencils?

\_\_\_\_\_ cubes

7. Favorite Activity

Swings	Slide	Monkey Bars	Balance Beam
8	5	7	2

How many children like the monkey bars and balance beam?

\_\_\_\_\_

8. It is 5:00 right now. What time was it an hour ago?

\_\_\_\_\_

SCORE

1. 😊 😐

2. 😊 😐

3. 😊 😐

4. 😊 😐

5. 😊 😐

6. 😊 😐

7. 😊 😐

8. 😊 😐

\_\_\_\_ / 8

Total

NAME: \_\_\_\_\_

**DIRECTIONS** Solve each problem.

SCORE

1. 😊 😐

2. 😊 😐

3. 😊 😐

4. 😊 😐

5. 😊 😐

6. 😊 😐

7. 😊 😐

8. 😊 😐

\_\_\_\_ / 8  
Total

**1.** Draw 3 rows with 2 oranges in each row. Write how many there are in all.

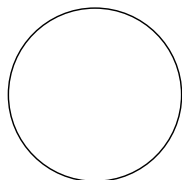
\_\_\_\_\_

**2.**  $1 + 4 + 1 = \square$

**3.** 
$$\begin{array}{r} 16 \\ - 10 \\ \hline \square \end{array}$$

**4.**  $5 + 3 = 6 + \square$

**5.** Draw a square to the right of the circle.



**6.** Write down the time school begins.

\_\_\_\_\_

**7.** Favorite Type of Movie

Funny	Cartoon	Scary	3-D
	/		/

How many people were asked about their favorite type of movie?

\_\_\_\_\_

**8.** Rita's piano recital was the day before yesterday. Today is Monday. On what day of the week was the piano recital?

\_\_\_\_\_

# ANSWER KEY *(cont.)*

## Day 142

1. 43 should be circled.
2. 15
3. 2
4.  $5 + 10 = 15$  or  $10 + 5 = 15$
5. 5 angles
6. 9:00 should be shown on the clock.
7. There should be 25 tally marks drawn.
8. There should be a drawing of 5 ice cream sundaes with 2 cherries on each, totaling to 10 cherries.

## Day 143

1. 5th
2. 4
3. 9
4. 2
5. no
6. a scale
7. banana: 6;  
chocolate: 22;  
vanilla: 12;  
strawberry: 15
8. 53 books

## Day 144

1. 10
2. 12
3. 10
4. 9
5. The mushroom should have a line drawn vertically down the middle of it.
6. 8
7. Mr. Ream
8. 5 more teacups

## Day 145

1. 5 dots should be drawn;  
5 dots
2. 15
3. 9
4. 55
5. The circle should be colored.
6. October
7. The tally chart should show 23 tally marks for dogs and 12 tally marks for cats.
8. 6 cookies

## Day 146

1. fifty-eight
2. 13
3. 9
4. –
5. There should be toothpaste drawn on top of the toothbrush.
6. 1 or one
7. 3 more boys
8. 17 questions

## Day 147

1. 8, 0
2. 14
3. 19
4. true
5. no
6. January and March
7. 2 more children
8.  $8 - 5 = 3$  and  $8 - 3 = 5$

## Day 148

1. <
2. 4
3. 8
4. 4
5. There should be a rectangle drawn with a line through the center of it, either vertically or horizontally.
6. yes
7. Answers will vary. Possible answer: 8 more children come by bus than by bike.
8. 82

## Day 149

1. 65
2. 5
3. 8
4. 13
5. A hexagon should be drawn.
6. 10
7. 9 children
8. 4:00

## Day 150

1. 3 rows with 2 oranges in each row should be drawn;  
6 oranges
2. 6
3. 6
4. 2
5. A square should be drawn to the right of the circle.
6. Answers will vary.
7. 17 people
8. Saturday

## Day 151

1. 37, 72, 73
2. 6
3. 10
4. 90
5. The triangle should be colored.
6. 4:30
7. Answers will vary. Possible answer: an apple
8. 8 books  
Day 1: 2  
Day 2: 4  
Day 3: 6  
Day 4: 8