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.

1. Put these numbers in order from least to greatest.

92   97   89

_____   _____   _____

2.
```
    7
+   3
```
☐

3. 16 − 0 = ☐

4. True or false?

7 + 9 = 10 + 7

_____

5. Color the shape with curved sides.

6. Are these objects equal in weight?

Circle: yes   no

7.

Awards Won

Number of Awards

6, 5, 4, 3, 2, 1, 0
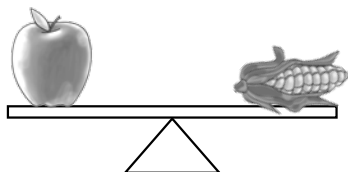
Sue   Paul   Rory   Chu

Name

How many more awards does Sue have than Chu?

_____

8. Linda has soccer practice on Monday, Wednesday, and Friday. She has a game on Saturday. Which days does Linda have free?

_____

_____

1. ☺ 😐

2. ☺ 😐

3. ☺ 😐

4. ☺ 😐

5. ☺ 😐

6. ☺ 😐

7. ☺ 😐

8. ☺ 😐

___ / 8

Total

NAME:_____

DIRECTIONS Solve each problem.

1. Circle the smaller number.

43   82

2. $9 + 6 = \boxed{}$

3.
$$\begin{array}{r} 12 \\ -\ 10 \\ \hline \end{array}$$

$\boxed{}$

4. Write a matching addition sentence.

15 − 5 = 10

$\boxed{} + \boxed{} = \boxed{}$

5. How many angles?

_____

6. Show 9 o'clock.

7. Make 25 tally marks.

8. Marcy made 5 ice cream sundaes. She put 2 cherries on each sundae. Draw a picture to show how many cherries Marcy used.
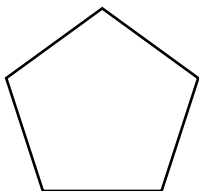
_____

NAME:_____

Solve each problem.

1. Write the ordinal number.

The marked ice cream cone is

_____.

2.
```
   0
+  4
```
☐

3. 17 − 8 = ☐

4.
☐
```
+  6
```
8

5. Will the object stack?

Circle: yes   no
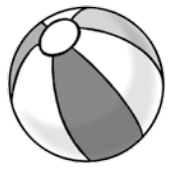
6. Would you use a ruler or a scale to weigh an apple?

_____

7. Record the data in the chart. Use numbers.
- Fifteen kids like strawberry, and seven more kids like chocolate.
- Twelve kids like vanilla, but six fewer kids like banana.

Favorite Ice Cream Flavors

Banana	
Chocolate	
Vanilla	
Strawberry	

8. Landon read 43 books in 3 weeks. Then he read 10 more books. How many books did Landon read?

_____

1.☺☹
2.☺☹
3.☺☹
4.☺☹
5.☺☹
6.☺☹
7.☺☹
8.☺☹

___ / 8
Total

NAME:_____

SCORE

1. ☺ ☹

2. ☺ ☹

3. ☺ ☹

4. ☺ ☹

5. ☺ ☹

6. ☺ ☹

7. ☺ ☹

8. ☺ ☹

_____ / 8
Total

1. Circle about how many people will fit in a van.

$$10 \qquad 50$$

2. $7 + 5 =$ ☐

3.
$$\begin{array}{r} 16 \\ -6 \\ \hline \end{array}$$
☐

4. $18 -$ ☐ $= 9$

5. Draw a line of symmetry.

6. Record the area.
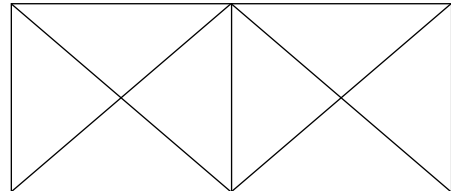
_____ triangles

7.

Number of Students

Mrs. Garcia	23
Mr. Ream	21
Mrs. Stein	24
Mr. Miller	22

Which teacher had the fewest students?

_____

8. There are 7 teacups. There are 2 teapots. How many more teacups are there than teapots?

_____

NAME:_____

DIRECTIONS Solve each problem.

1. Draw dots to fill the frame. How many more dots were needed to make ten?

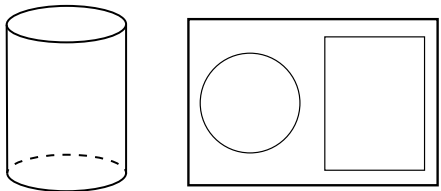| ●	●	●	●	●

_____

2.
$$10 + 5$$

3. $18 - 9 = \boxed{}$

4. Complete the pattern.
75 70 65 60 ____

5. Color the shape that you would see from the top.

6. What is the 10th month of the year?

_____

7. Create a tally chart with the data.
- Twenty-three dogs were sold.
- Twelve cats were sold.

Animals Sold

Dogs	
Cats	

8. Marvin's mom bakes cookies. Marvin eats 3 of the cookies every day. How many cookies will Marvin eat in 2 days?

_____

1. ☺ ☹

2. ☺ ☹

3. ☺ ☹

4. ☺ ☹

5. ☺ ☹

6. ☺ ☹

7. ☺ ☹

8. ☺ ☹

____ / 8
Total

ANSWER KEY *(cont.)*

Day 132
1. 2 rows with 6 circles in each row should be drawn; 12 circles
2. 11
3. 8
4. 65
5. 4 angles
6. 60 minutes
7. 19 tally marks should be drawn.
8. 50 pennies;
   Day 1: 35,
   Day 2: 40,
   Day 3: 45,
   Day 4: 50

Day 133
1. The 1st ice cream cone should be circled.
2. 11
3. 10
4. 8
5. no
6. June
7. 2 more awards
8. 9 children

Day 134
1. 10 dots should be drawn; 10 dots
2. 17
3. 10
4. –
5. Any one line of symmetry should be drawn.
6. 11:00 should be shown on the clock.
7. 13 children
8. 73

Day 135
1. The 6th circle of 8 circles should be colored.
2. 12
3. 5
4. false
5. rectangular prism
6. a ruler
7. 1 more child
8. 20 minutes

Day 136
1. twenty-one
2. 12
3. 5
4. –
5. There should be a cup drawn next to the pitcher.
6. 6
7. 4 students
8. 24 grapes

Day 137
1. 7, 9
2. 11
3. 3
4. 7 + 6 = 13 or 6 + 7 = 13
5. 6 flat surfaces
6. 24 hours
7. 25 people
8. an octagon

Day 138
1. <
2. 15
3. 10
4. 7
5. 18 sides are on 3 cubes.
6. 8:00 should be shown on the clock.
7. Answers will vary. Possible answer: How many brothers and sisters do you have?
8. 3

Day 139
1. There should be 5 tens rods and 0 ones cubes drawn.
2. 10
3. 8
4. 85
5. There should be a pentagon drawn.
6. 5:00
7. Tammi: 8:00
   Marco: 8:30
   Shavon: 7:30
8. 2 fewer children

Day 140
1. 69, 70
2. 19
3. 1
4. 13
5. There should be a piece of paper drawn above the scissors.
6. March
7. 19 people
8. a car

Day 141
1. 89, 92, 97
2. 10
3. 16
4. false
5. The oval should be colored.
6. yes
7. 2 more awards
8. Tuesday, Thursday, and Sunday

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