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.
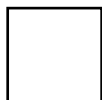
NAME:_____

DIRECTIONS Solve each problem.

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

73   37   72

_____ _____ _____

2.
```
    2
    3
+   1
```
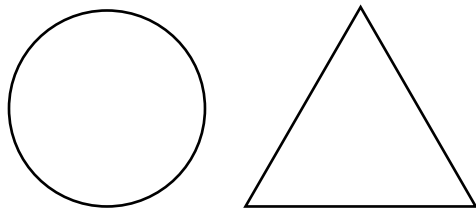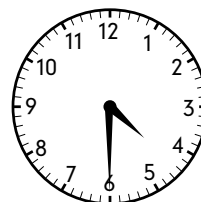☐

3. 19 − 9 = ☐

4. Continue the pattern.

82 84 86 88 _____

5. Color the shape with straight sides.

6. Write the time.

_____ : _____

7. What would be a good symbol to use in a picture graph showing data for the number of apples eaten each day for a week?

_____

8. Bryan reads 2 books each day. How many books will he read in 4 days?

Day 1	Day 2	Day 3	Day 4

_____

1. ☺ ☹

2. ☺ ☹

3. ☺ ☹

4. ☺ ☹

5. ☺ ☹

6. ☺ ☹

7. ☺ ☹

8. ☺ ☹

___ / 8
Total

NAME:_____

DIRECTIONS Solve each problem.

1. Draw tens rods and ones cubes to show the number 62.

2. $3 + 2 + 1 = \boxed{}$

3.
$$\begin{array}{r} 16 \\ -9 \\ \hline \boxed{} \end{array}$$

4. $\boxed{} + 5 = 10$

5. Count the angles.

_____
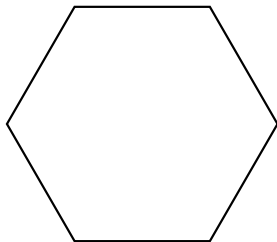
6. Would you use a thermometer or a clock to measure the temperature outside today?

_____

7. Make 21 tally marks.

8. I am 1 less than 87. What number am I?

_____

NAME:_____

DIRECTIONS Solve each problem.
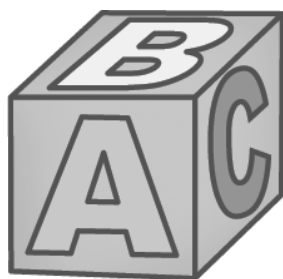
1. Circle the 5th car.

2.
$$\begin{array}{r} 2 \\ 4 \\ +\ 2 \\ \hline \square \end{array}$$

3. $17 - 7 = \square$

4.
$$\begin{array}{r} \square \\ -\ 9 \\ \hline 8 \end{array}$$

5. Will the object roll?
Circle: yes   no

6. Write down the time school ends.

_____

7.

Pencil Colors

Red	卌
Green	卌 |||
Blue	|||

How many more green pencils are there than blue pencils?

_____

8. There are 25 children in a class. Two children are absent. How many children are not absent?

_____

1.☺☺

2.☺☺

3.☺☺

4.☺☺

5.☺☺

6.☺☺

7.☺☺

8.☺☺

___ / 8
Total

NAME:_____

SCORE

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

____ / 8
Total

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

_____

2. $1 + 1 + 1 = \boxed{}$

3. $\begin{array}{r} 20 \\ -\ 10 \\ \hline \boxed{} \end{array}$

4. Write the missing number.

$13 - \boxed{} = 9$

5. Draw a line of symmetry.
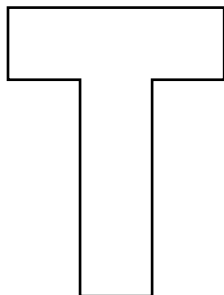
6. What is the first month of the year?

_____

7. Favorite Recess Game

Games	0	1	2	3	4	5
Hopscotch		■	■			
Handball		■	■	■	■	
Tetherball		■	■			
Four Square		■	■			

Votes

How many students like tetherball and four square?

_____

8. Helen has 4 pairs of mittens. How many mittens does she have in all?
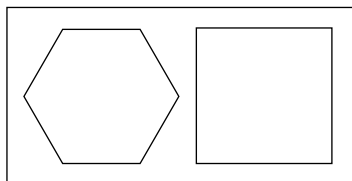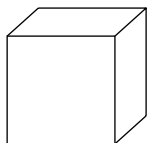
_____

NAME:_____

DIRECTIONS Solve each problem.

1. Write the number that comes after 34.

_____

2.
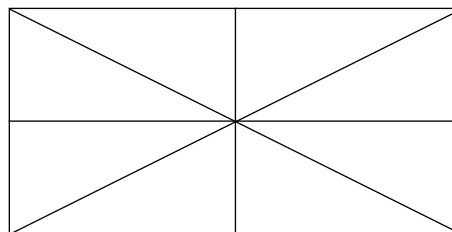```
    1
    0
+   5
```

**3.** 17 − 0 = ☐

**4.** 6 + 5 = 11 + ☐

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

**6.** Record the area.

_____ triangles

**7.**

**Favorite Animal**

| Cats | Dogs | Birds | Lizards |
|------|------|-------|---------|
| 7 | 9 | 4 | 5 |

How many more people like dogs than birds?

_____

**8.** A pack of gum has 6 pieces in it. Mom chews one piece of gum each day. How many days will it take her to eat the whole pack of gum?

_____

1.☺☻

2.☺☻

3.☺☻

4.☺☻

5.☺☻

6.☺☻

7.☺☻

8.☺☻

___ / 8
**Total**

# 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
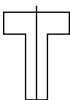   Day 4: 8

# ANSWER KEY *(cont.)*

**Day 152**
1. There should be 6 tens rods and 2 ones cubes drawn.
2. 6
3. 7
4. 5
5. 6 angles
6. a thermometer
7. There should be 21 tally marks drawn.
8. 86

**Day 153**
1. The 5th car should be circled.
2. 8
3. 10
4. 17
5. no
6. Answers will vary.
7. 5 more green pencils
8. 23 children

**Day 154**
1. 16
2. 3
3. 10
4. 4
5. 
6. January
7. 5 students
8. 8 mittens

**Day 155**
1. 35
2. 6
3. 17
4. 0
5. The square should be colored.
6. 8
7. 5 more people
8. 6 days

**Day 156**
1. seventy-two
2. 10
3. 9
4. true
5. There should be a bat drawn near the baseball.
6. no
7. 9 children
8. 77 blueberries

**Day 157**
1. 9, 9
2. 8
3. 8
4. 46
5. 0
6. July and August should be circled.
7. 1 more student
8. 1 + 6 = 7 or 6 + 1 = 7;
   7 − 6 = 1 or 7 − 1 = 6

**Day 158**
1. =
2. 13
3. 10
4. 9
5. triangles
6. 8:30
7. Answers will vary. Possible answer: What color is your bike?
8. 1. Trish
   2. Will
   3. Mark

**Day 159**
1. 20
2. 12
3. 20
4. 2
5. An octagon should be drawn.
6. 4
7. Paul
8. 6 years old

**Day 160**
1. 54, 55
2. 19
3. 17
4. 8
5. A road should be drawn below the car.
6. taller
7. Tom: 5
   Tony: 9
   Jacqueline: 8
   Nikki: 14
8. August

**Day 161**
1. 76, 79, 81
2. 17
3. 8
4. +
5. The circle should be colored.
6. 9:30
7. 31
8. 4 cups

**Day 162**
1. 93 should be circled.
2. 12
3. 12
4. 3
5. 0 angles
6. August
7. There should be 41 tally marks drawn.
8. 28

**Day 163**
1. 7th
2. 14
3. 7
4. 9
5. yes
6. a ruler
7. 22 children
8. 82 rocks