

# HOW TO USE THIS BOOK

*180 Days of Math for Third 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 third-grade practice page provides 10 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 Standard
1	<b>Addition or Subtraction</b>	Understands meanings of operations and how they relate to one another; Computes fluently and makes reasonable estimates; Understands various meanings of multiplication and division; Develops fluency in adding, subtracting, multiplying, and dividing whole numbers; Understands numbers, ways of representing numbers, relationships among numbers, and number systems
2	<b>Multiplication</b>	
3		
4	<b>Division or Number Sense</b>	
5	<b>Place Value or Fractions, Decimals, and Money</b>	Understands numbers, ways of representing numbers, relationships among numbers, and number systems; Computes fluently and makes reasonable estimates
6	<b>Algebra and Algebraic Thinking</b>	Understands patterns, relations, and functions; Represents and analyzes mathematical situations and structures using algebraic symbols
7	<b>Measurement</b>	Understands measurable attributes of objects and the units, systems, and processes of measurement; Applies appropriate techniques and formulas to determine measurements
8		
9	<b>Geometry or Data Analysis</b>	Analyzes characteristics and properties of two-dimensional and three-dimensional geometric shapes and develops mathematical arguments about geometric relationships; Formulates questions that can be addressed with data and collects, organizes, and displays relevant data to answer them
10	<b>Word Problem/Logic Problem or Mathematical Reasoning</b>	Builds new mathematical knowledge through problem solving; Applies and adapts a variety of appropriate strategies to solve problems

*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. (Y) (N)

1.  $40 - 16 = \underline{\hspace{2cm}}$

6.  $9 \times \square = 54$

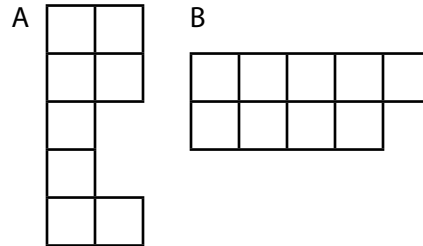
2. (Y) (N)

2.  $6 \times 7 = \square$

7. Circle the floor that needs more tile.

3. (Y) (N)

3.  $13 \times 1 = \square$



4. (Y) (N)

4. If you make 25 tally marks, how many groups of 5 will there be?

8. Which is longer: a yard or a meter?

7. (Y) (N)

\_\_\_\_\_

\_\_\_\_\_

8. (Y) (N)

5. What is 3 hundred more than 1,306?

9. How many lines of symmetry are there in a regular pentagon?

9. (Y) (N)

\_\_\_\_\_

\_\_\_\_\_

10. (Y) (N)

10. If a flagpole is 21 feet tall, how many yards tall is it?

\_\_\_ / 10

**Total**

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

**DIRECTIONS** Solve each problem.

$$\begin{array}{r} 1. \quad 25 \\ \quad 52 \\ + 15 \\ \hline \end{array}$$

$$2. \quad 4 \times 80 = \square$$

3. What is the product of 8 and 8?

\_\_\_\_\_

$$4. \quad 72 \div 8 = \square$$

5. Write 2,304 in expanded notation.

\_\_\_\_\_

6. Fill in the missing number.

550, 561, \_\_\_\_\_, 583

7. Which is longer: 2 hours or 100 minutes?

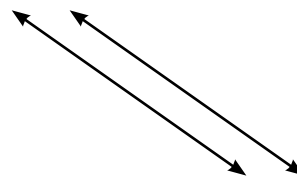
\_\_\_\_\_

8. Does the palm of your hand have an area greater than or less than  $1 \text{ m}^2$ ?

\_\_\_\_\_

9. Name the lines.

\_\_\_\_\_



10. Gwen has a collection of 54 stuffed animals. Two-sixths are teddy bears. The rest are other types of animals. How many teddy bears does Gwen have?

\_\_\_\_\_

SCORE

1. (Y) (N)

2. (Y) (N)

3. (Y) (N)

4. (Y) (N)

5. (Y) (N)

6. (Y) (N)

7. (Y) (N)

8. (Y) (N)

9. (Y) (N)

10. (Y) (N)

\_\_\_ / 10

Total

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

**DIRECTIONS** Solve each problem.

**SCORE**

1. (Y) (N)

$$\begin{array}{r} 1. \quad 79 \\ - 18 \\ \hline \end{array}$$

2. (Y) (N)

3. (Y) (N)

2. How many arms are there on 3 people?

4. (Y) (N)

5. (Y) (N)

6. (Y) (N)

3.  $8 \times 2 = \square$

7. (Y) (N)

8. (Y) (N)

4. What number follows 445?

9. (Y) (N)

10. (Y) (N)

5. What is the value of the digit 6 in the number 62?

\_\_\_ / 10

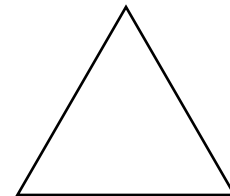
**Total**

6.  $2 \times 12 = 24 \times \square$

7. How many minutes are there from 8:20 P.M. to 8:30 P.M.?

8. What is freezing on the Fahrenheit temperature scale?

9. Complete the chart.



Number of Sides	
Number of Angles	
Number of Lines of Symmetry	
Name of Shape	

10. Can 5 cylinders be stacked on top of each other?

Circle:    yes    no

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

**DIRECTIONS** Solve each problem.

1.  $25 + 25 = \square$

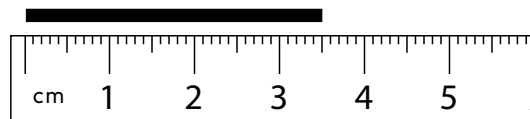
6.  $3 \times \square = 18$

2. 
$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

7.  $\frac{1}{2}$  foot = \_\_\_\_\_ inches

3. Six times three is \_\_\_\_\_.

8. Write the line length.



4.  $4 \overline{)32}$

9. What shape forms the base of a cylinder?

5. 1 thousand + 3 tens =  
\_\_\_\_\_

10. Jack walks his dog for 20 minutes in the morning and 30 minutes at night. How many minutes does he walk his dog in a week?  
\_\_\_\_\_

**SCORE**

1. (Y) (N)

2. (Y) (N)

3. (Y) (N)

4. (Y) (N)

5. (Y) (N)

6. (Y) (N)

7. (Y) (N)

8. (Y) (N)

9. (Y) (N)

10. (Y) (N)

\_\_\_ / 10

**Total**

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

**DIRECTIONS** Solve each problem.

**SCORE**

1. (Y) (N)

1.  $100 - 25 = \square$

6.  $35 \square 14 = 21$

2. (Y) (N)

7. Which is larger:  $1\frac{1}{2}$  yards or 45 inches?  
\_\_\_\_\_

3. (Y) (N)

2.  $8 \times 6 = \square$

8. A train leaves at 8:05 A.M. It arrives at 10:10 A.M. How long does the trip take?  
\_\_\_\_\_

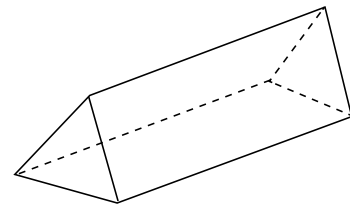
4. (Y) (N)

3.  $80 \times 6 = \square$

9. Is the shape below a prism, a pyramid, or a cylinder?  
\_\_\_\_\_

5. (Y) (N)

4. What is the odd number right before 721?  
\_\_\_\_\_



7. (Y) (N)

8. (Y) (N)

9. (Y) (N)

10. (Y) (N)

5.  $\$7.00 + \$2.00 + \$1.50 =$   
\_\_\_\_\_

10. A teddy bear costs \$12.50. Jack has \$26.00. He wants to buy two teddy bears. Does Jack have enough money?  
Circle: yes    no

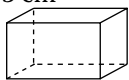
\_\_\_ / 10

Total

# ANSWER KEY *(cont.)*

## Day 139

- 60
- 21
- 210
- 6
- 165
- 4
- 12 times
- 3 cm



- 554

## Day 140

- 16
- 56
- 560
- 97
- \$1.50
- 18
- 16 cm<sup>2</sup>
- pencil
- 4 triangles should be drawn.
- 9 pages

## Day 141

- 13
- 10
- 90
- 8
- 4
- 483
- $\frac{1}{2}$
- a bag of rocks
- circle
- 5 quarters and 1 dime; or 3 quarters, 1 half dollar, and 2 nickels; or one dollar coin, 2 dimes, and 3 nickels

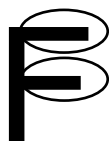
## Day 142

- 4
- 13
- 81
- 737
- 198
- 3
- The cupboard on the right should be circled.

- longer
- 46 fewer people
- 9 minutes

## Day 143

- 456
- 32
- 6 eyes
- 10
- one fourth
- 8
- The pasta should be circled.
- 9 cm



- 12 dogs

## Day 144

- 400
- 0
- 0
- 528
- 45¢
- ÷
- December
- yes
- cube
- 84 bananas

## Day 145

- 15
- 49
- 120
- 8
- \$6.50
- 43
- 2 cups
- centimeters
- surfaces: 3  
edges: 2  
vertices: 0
- 765

## Day 146

- 24
- 42

- 13
- 5
- 1,606
- 6
- B
- meter
- 5 lines of symmetry
- 7 yards

## Day 147

- 92
- 320
- 64
- 9
- 2,000 + 300 + 4
- 572
- 2 hours
- less than
- parallel lines
- 18 teddy bears

## Day 148

- 61
- 6 arms
- 16
- 446
- 6 tens or 60
- 1
- 10 minutes
- 32° F
- Number of Sides: 3  
Number of Angles: 3  
Number of Lines of Symmetry: 3  
Name of Shape: triangle
- yes

## Day 149

- 50
- 36
- 18
- 8
- 1,030
- 6
- 6
- 3.5 cm
- circle
- 350 minutes

# ANSWER KEY *(cont.)*

## Day 150

- 75
- 48
- 480
- 719
- \$10.50
- 
- $1\frac{1}{2}$  yards
- 2 hours 5 minutes
- prism
- yes

## Day 151

- 82
- 81
- 10 feet
- 8
- $\frac{1}{4}$
- 5
- 15 inches
- meters
- The left figure should be circled.
- 63

## Day 152

- 25
- 24
- 24
- 534
- $3,000 + 500 + 60 + 2$
- 351
- 8
- 36 inches
- hexagon
- C

## Day 153

- 121
- 52
- 28
- 10
- $2,000 + 90 + 4$
- 48
- true
- 5.5 cm
- chocolate
- 48 inches

## Day 154

- 35
- 56
- 30
- 684th
- \$0.55
- 2
- a pencil
- gallons
- prism
- Answers will vary.

## Day 155

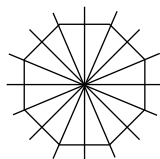
- 90
- 120
- 18 wheels
- 10
- $5,000 + 200 + 70$
- +
- false
- no
- no



- 23 pounds

## Day 156

- 60
- 35
- 350
- 593
- 70¢
- 3
- minutes
- $9\text{ cm}^2$
- 



- 8 months

## Day 157

- 9
- 75
- 28
- 7

- $7,000 + 20 + 1$
- 18
- 15 minutes
- 6 L
- Mon.: 35 tally marks  
Tue.: 30 tally marks  
Wed.: 45 tally marks  
Thur.: 20 tally marks
- 5 times

## Day 158

- 62
- 15 fingers
- 72
- 181
- \$1.55
- 9
- The right cupboard should be circled.
- no
- 8
- 732

## Day 159

- 22
- 140
- An array of 2 rows by 9 columns should be drawn.
- 8
- \$16.50
- 6
- The right floor should be circled.
- 2 pints
- intersecting lines
- \$79.96

## Day 160

- 45
- 54
- 64
- odd number
- 2 hundred or 200
- 327
- 3 pitchers
- 48 hours
- 8 angles
- 16 people