

# 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.

1.  $8 + 3 + 2 = \square$

6. Fill in the missing number.  
493, 488, \_\_\_\_\_, 4782. What is the product of  
1 and 10?  
  
\_\_\_\_\_

7. 8 cups = \_\_\_\_\_ gallon(s)

3.  $10 \times 9 = \square$

8. Which has more mass: a  
bag of rocks or a bag of  
leaves?  
  
\_\_\_\_\_

4.  $24 \div 3 = \square$

9. What shape is the  
cross-section of a sphere?  
  
\_\_\_\_\_5.  $\frac{1}{4}$  of 16 is \_\_\_\_\_.10. Marissa has \$1.35. She  
has 6 coins. What coins  
does she 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)

1. 
$$\begin{array}{r} 20 \\ - 16 \\ \hline \end{array}$$

2. (Y) (N)

2. Thirteen times one is

\_\_\_\_\_

4. (Y) (N)

3.  $9 \times 9 = \square$

6. (Y) (N)

4. What number follows 736?

\_\_\_\_\_

8. (Y) (N)

5. What number is 100 more than 98?

\_\_\_\_\_

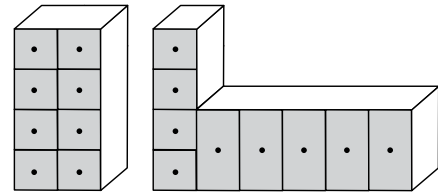
10. (Y) (N)

6.  $42 \div 7 = 2 \times \square$

\_\_\_ / 10

**Total**

7. Jo painted these cupboards. Circle the one that needed the most paint.



8. Is a bed longer or shorter than one meter?

\_\_\_\_\_

9. How many fewer people liked skiing than snowboarding?

\_\_\_\_\_

**Favorite Winter Sports**

| Snowboarding | Sledding | Skiing | Ice Skating |
|--------------|----------|--------|-------------|
| 324          | 225      | 278    | 175         |

10. Rachel walks to school every day. At the end of the week, she has spent 45 minutes walking to school. How long does it take Rachel to walk to school every day?

\_\_\_\_\_

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

**DIRECTIONS**

Solve each problem.

1.  $437 + 19 = \square$

6.  $42 + \square = 50$

2.  $8 \times 4 = \square$

7. Circle the item that has a mass less than 1 kilogram.



pasta

potatoes

3. How many eyes are there on 3 birds?

\_\_\_\_\_

8. How many centimeters are there in 90 millimeters?

\_\_\_\_\_

4. Divide 6 into 60.

\_\_\_\_\_

9. Circle the parallel lines on the capital F.



5. Write  $\frac{1}{4}$  in words.

\_\_\_\_\_

10. In a pet shop, one-half of the animals are dogs. One-fourth of the animals are bunnies. Six of the animals are cats. There are an equal number of cats and bunnies. How many dogs are there in the pet shop?

\_\_\_\_\_

**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. The difference between 418 and 18 is

2. (Y) (N)

\_\_\_\_\_

3. (Y) (N)

2.  $1 \times 0 = \square$

4. (Y) (N)

6.  $80 \square 10 = 8$

7. Name the last month of the year.

\_\_\_\_\_

5. (Y) (N)

3.  $10 \times 0 = \square$

8. Could it be 30°C on a hot day?

Circle: yes    no

6. (Y) (N)

7. (Y) (N)

4. What is the next even number after 526?

9. Which solid has 6 square faces?

\_\_\_\_\_

8. (Y) (N)

\_\_\_\_\_

9. (Y) (N)

5. Add 4 pennies to the coins below and write the total.



10. (Y) (N)

10. A monkey eats 6 bananas a day. How many bananas will it eat in 2 weeks?

\_\_\_\_\_

\_\_\_ / 10

**Total**

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

**DIRECTIONS** Solve each problem.

1. 
$$\begin{array}{r} 70 \\ - 55 \\ \hline \end{array}$$

2. Seven times seven is \_\_\_\_\_.

3.  $40 \times 3 =$  \_\_\_\_\_

4.  $48 \div 6 =$  \_\_\_\_\_

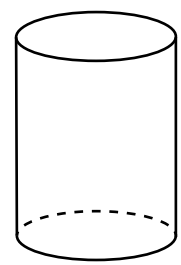
5.  $\$5.00 + \$1.50 =$  \_\_\_\_\_

6.  $\square + 47 = 90$

7. How many cups are there in a pint?  
\_\_\_\_\_

8. Would you use centimeters or meters to measure the width of a book?  
\_\_\_\_\_

9. Write the number of each for the solid below.  
surfaces \_\_\_\_\_  
edges \_\_\_\_\_  
vertices \_\_\_\_\_



10. What is the largest odd number that can be made with 5, 6, and 7?  
\_\_\_\_\_

**SCORE**

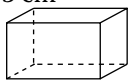
- 1. (Y) (N)
- 2. (Y) (N)
- 3. (Y) (N)
- 4. (Y) (N)
- 5. (Y) (N)
- 6. (Y) (N)
- 7. (Y) (N)
- 8. (Y) (N)
- 9. (Y) (N)
- 10. (Y) (N)

\_\_\_ / 10  
**Total**

# 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