

# HOW TO USE THIS BOOK

*180 Days of Math for Fourth Grade* offers teachers and parents a full page of 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 fourth-grade practice page provides 10 questions, each tied to a specific mathematical concept. Students are provided 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 such as addition and subtraction and how they relate to one another
2	<b>Multiplication or Fractions, Decimals, Percents</b>	Understands various meanings of multiplication; Recognizes and generates equivalent forms of fractions, decimals, and percents
3	<b>Division</b>	Understands various meanings of division; Understands meanings of operations and how they relate to one another; Computes fluently and makes reasonable estimates
4		
5	<b>Place Value or Number Sense</b>	Understands representations of numbers, relationships among numbers, and number systems; Understands place-value structure of the base-ten number system
6	<b>Algebra and Algebraic Thinking</b>	Understands patterns, relations, and functions; Represents and analyzes patterns and functions, using words, tables, and graphs
7	<b>Measurement</b>	Applies appropriate techniques and formulas to determine measurements; Understands measurable attributes of objects and the units, systems, and processes of measurement
8		
9	<b>Geometry or Data Analysis</b>	Uses visualization and spatial reasoning to solve problems; Analyzes properties of two- and three-dimensional geometric shapes
10	<b>Word/Logic Problem or Mathematical Reasoning</b>	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. 
$$\begin{array}{r} 33 \\ + 25 \\ \hline \end{array}$$

2. 10% of 20 is \_\_\_\_\_.

3.  $77 \div 11 =$  \_\_\_\_\_

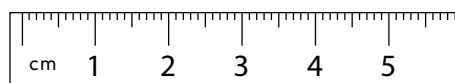
4. Divide 4 into 90. \_\_\_\_\_

5. Write 8,931 in words.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. Fill in the missing fraction.

$$\frac{6}{10}, \frac{7}{10}, \text{_____}, \frac{9}{10}$$

7. Write the length in millimeters. \_\_\_\_\_



8. \_\_\_\_\_ yards = 12 feet

9. Name the polygon that has five vertices.  
\_\_\_\_\_

10. Use each of the five numbers once and any operations to solve the problem below.

10	13	1	4	12
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

$$= 20$$

**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. 
$$\begin{array}{r} 36 \\ - 24 \\ \hline \end{array}$$

2. (Y) (N)

3. (Y) (N)

2.  $\$10 - \$4.50 = \underline{\hspace{2cm}}$

4. (Y) (N)

5. (Y) (N)

3.  $55 \div 11 = \underline{\hspace{2cm}}$

6. (Y) (N)

7. (Y) (N)

8. (Y) (N)

4.  $7 \overline{)66}$

9. (Y) (N)

10. (Y) (N)

5. What is the next odd number after 893?  
  
\_\_\_\_\_

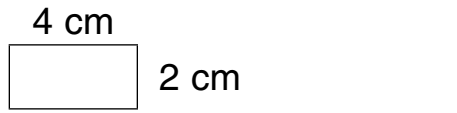
\_\_\_ / 10

Total

6. Complete the chart. There are six sides on a cube. How many sides are on 6 cubes?

1 Cube	2 Cubes	3 Cubes
6		
4 Cubes	5 Cubes	6 Cubes

7. Calculate the perimeter of the rectangle.



8. 104 weeks = \_\_\_\_\_ years

9. How many lines of symmetry does a pentagon have?  
  
\_\_\_\_\_

10. Beth can jump rope twice as many times as Veronica. Veronica can jump 132 times. How many times can Beth jump?  
  
\_\_\_\_\_

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

**DIRECTIONS** Solve each problem.

**1.**  $34 + 28 =$

\_\_\_\_\_

**2.** Is 50% equal to  $\frac{1}{2}$ ?

\_\_\_\_\_

**3.**  $12 \div 3 =$  \_\_\_\_\_

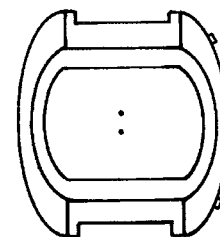
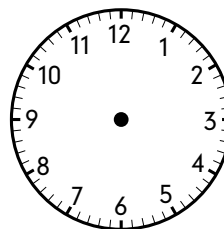
**4.**  $44 \div 5 =$  \_\_\_\_\_

**5.** Is 928 greater than 982?

\_\_\_\_\_

**6.**  $36 + \square = 72 - 14$

**7.** Show 5 past 6 on both clocks.



**8.** What month comes after June?

\_\_\_\_\_

**9.** True or false? All plane shapes are polygons.

\_\_\_\_\_

**10.** Tickets for a movie are  $\frac{1}{2}$  off if you buy the tickets early. If the full-price ticket costs \$12.00, how much will you save by buying a ticket early?

\_\_\_\_\_

**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.  $54 - 23 = \underline{\hspace{2cm}}$

6.  $6 \times \square = 8 \times 3$

2. (Y) (N)

3. (Y) (N)

2. 50% of 20 is \_\_\_\_\_.

7. One pack of nails has a mass of 250 grams. What is the mass of 3 packs?

\_\_\_\_\_

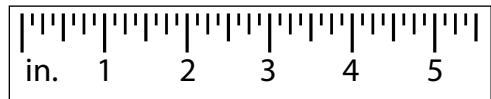
4. (Y) (N)

5. (Y) (N)

3.  $78 \div 12 = \underline{\hspace{2cm}}$

8. Write the length in inches.

\_\_\_\_\_ inches

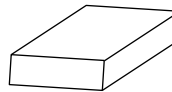


7. (Y) (N)

8. (Y) (N)

4.  $8 \overline{)53}$

9. Name the shape of the solid's base.



\_\_\_\_\_

9. (Y) (N)

10. (Y) (N)

5. Write the number for seven thousand, five hundred one.

10. Subtract 5 tens and 2 ones from the number 97.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_ / 10

**Total**

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

**DIRECTIONS**

Solve each problem.

1. 
$$\begin{array}{r} 37 \\ + 26 \\ \hline \end{array}$$

2.  $5 \times 60 =$  \_\_\_\_\_

3. Divide 5 into 52. \_\_\_\_\_

4.  $67 \div 10 =$  \_\_\_\_\_

5. Write 1,857 in expanded notation.  
\_\_\_\_\_  
\_\_\_\_\_

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

7. What is the abbreviation for cubic meter?  
\_\_\_\_\_

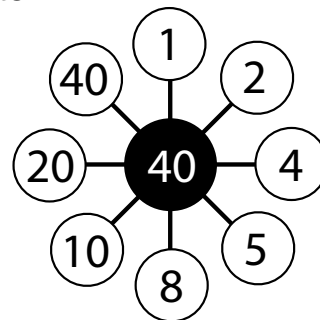
8. Which would be the best tool for measuring the width of a book: a ruler, a clock, or a meter stick?  
\_\_\_\_\_

9. **Dollars Earned in May**

Audrey	\$15
Dameon	\$23
Jason	\$12
Lauren	\$18

Audrey wants to buy a new CD that costs \$13.99. Did she earn enough money in May to buy the CD?  
\_\_\_\_\_

10. Use different colors to color pairs of numbers that equal the product shown in the center.



**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 136

- 34
- 3
- 5
- 12 R1
- 7 hundreds or 700
- 0.75
- 1,250 mL
- 964 minutes
- 6 faces; 12 edges; a square base
- 5 pencils

## Day 137

- 38
- yes
- 2
- 6 R5
- ones
- 3
- Monday
- ruler
- parallelogram or rhombus
- 48

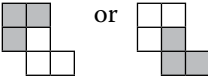
## Day 138

- 15
- 20
- 9 R4
- 14 R5
- 4 digits
- 10
- 24
- 2
- yes
- left 4, down 5, right 2, down 2, right 6, up 3, left 2, up 4.

## Day 139

- 42
- 5
- 5
- 4 R2
- 5,000
- 7
- 31; 31; 31
- 1
- translation
- 6 triangles should be colored yellow; 3 triangles should be colored blue.

## Day 140

- 12
- 7, 14, 21
- 6 R1
- 4 R3
- odd
- 7
- cm<sup>2</sup>
- 840
- A square should be drawn.
- 

## Day 141

- 58
- 2
- 7
- 22 R2
- Eight thousand, nine hundred thirty-one
- $\frac{8}{10}$
- 50 mm
- 4
- pentagon
- Answers will vary. Possibilities include:  $13 - 10 + 12 + 4 + 1$

## Day 142

- 12
- \$5.50
- 5
- 9 R3
- 895
- 12, 18, 24, 30, 36, 36 sides
- 12 cm
- 2
- 5
- 264 times

## Day 143

- 62
- yes
- 4
- 8 R4
- no
- 22
- The clocks should read 6:05.
- July
- false
- \$6.00

## Day 144

- 31
- 10
- 6 R6
- 6 R5
- 7,501
- 4
- 750 g
- $4\frac{1}{4}$  inches or 4.25
- rectangle
- 45

## Day 145

- 63
- 300
- 10 R2
- 6 R7
- $1,000 + 800 + 50 + 7$
- 1
- m<sup>3</sup>
- ruler
- yes
- 40,1; 20,2; 8,5; 10,4

## Day 146

- 41
- yes
- 4 R3
- 13
- 2 tens or 20
- 735
- 6 liters
- 6
- A parallel line should be drawn.
- 4

## Day 147

- 71
- 5
- 10
- 4
- 400
- 40
- December 21
- 31 days
- yes
- 44