

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	Addition or Subtraction	Understands meanings of operations such as addition and subtraction and how they relate to one another
2	Multiplication or Fractions, Decimals, Percents	Understands various meanings of multiplication; Recognizes and generates equivalent forms of fractions, decimals, and percents
3	Division	Understands various meanings of division; Understands meanings of operations and how they relate to one another; Computes fluently and makes reasonable estimates
4		
5	Place Value or Number Sense	Understands representations of numbers, relationships among numbers, and number systems; Understands place-value structure of the base-ten number system
6	Algebra and Algebraic Thinking	Understands patterns, relations, and functions; Represents and analyzes patterns and functions, using words, tables, and graphs
7	Measurement	Applies appropriate techniques and formulas to determine measurements; Understands measurable attributes of objects and the units, systems, and processes of measurement
8		
9	Geometry or Data Analysis	Uses visualization and spatial reasoning to solve problems; Analyzes properties of two- and three-dimensional geometric shapes
10	Word/Logic Problem or Mathematical Reasoning	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.

SCORE

1. (Y) (N)

$$\begin{array}{r} 1. \quad 68 \\ - 27 \\ \hline \end{array}$$

2. (Y) (N)

3. (Y) (N)

2. Is $\frac{1}{2}$ more than $\frac{1}{8}$?

4. (Y) (N)

5. (Y) (N)

$$3. \quad 9 \overline{)39}$$

6. (Y) (N)

7. (Y) (N)

8. (Y) (N)

4. $91 \div 7 =$ _____

9. (Y) (N)

10. (Y) (N)

5. What is the value in the tens place in 3,827?

____ / 10

Total

6.

Fill in the missing number.

749, 742, _____, 728, 721

7.

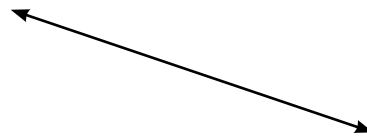
How many liters are in 6,000 milliliters?

8.

____ minutes = 360 seconds

9.

Draw a line that is parallel to the line below.



10.

A large can of green beans weighs 500 grams. How many cans of green beans weigh 2 kilograms?

NAME: _____

DIRECTIONS Solve each problem.

1. $43 + 28 =$ _____

6. $245 = 200 +$ _____ $+ 5$

2. 50% of 10 is _____.

7. What is the date of the 3rd Sunday in December?

3. $60 \div 6 =$ _____

December						
Sun	Mon	Tues	Wed	Thurs	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

4. Divide 40 into 10 equal groups.
_____8. How many days are in August?
_____5. Is 432 closer to 400 or 500?
_____9. Does this shape tessellate?
_____10. Halve 64, then add 12.
_____**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. $25 - 14 =$ _____

6. $10 \times 6 = 6 \times$

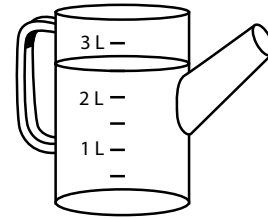
2. (Y) (N)

3. (Y) (N)

2. $\frac{1}{2}$ of 20 = _____

7. Record in liters: _____ L

4. (Y) (N)



5. (Y) (N)

3. $6 \overline{)54}$

6. (Y) (N)

8. _____ weeks = 2 years

7. (Y) (N)

4. How many 5s are in 15?

8. (Y) (N)

9. I have 2 circular bases and my other face is curved. What solid am I?

9. (Y) (N)

10. (Y) (N)

5. $1,000 + 600 + 30 + 2 =$

10. Richard can bounce a basketball 36 times in 2 minutes. How many times would you expect him to bounce the ball in 1 minute?

___ / 10

Total

NAME: _____

DIRECTIONS Solve each problem.

1.
$$\begin{array}{r} 18 \\ + 9 \\ \hline \end{array}$$

2. Is 0.6 greater than 0.59?

3. $8 \overline{)16}$

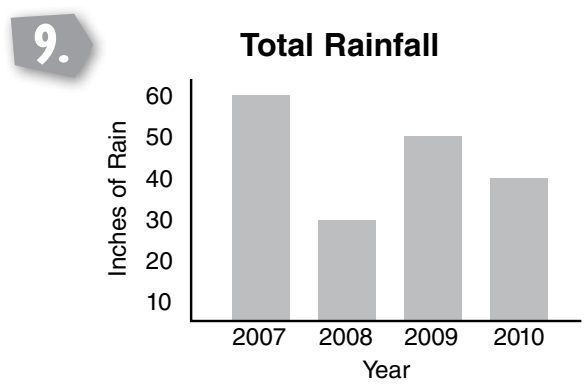
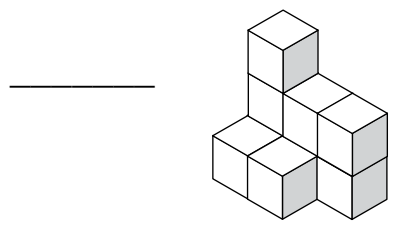
4. $68 \div 9 =$ _____

5. Write 7,490 in expanded notation.

6. Is 5×9 equal to $9 + 9 + 9 + 9 + 9 + 9$?

7. Which months are in the last quarter of the year?

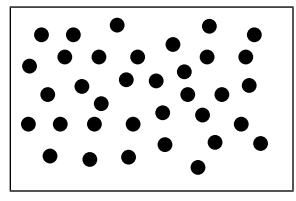
8. Record the volume if the side of each cube is 5 cm.



Half of the rain in 2008 fell in the month of January. How much did it rain in January?

10. Estimate the number of dots in the square. Then check by counting.

Estimate: _____
Actual Number: _____



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)

$$\begin{array}{r} 1. \quad 28 \\ - 15 \\ \hline \end{array}$$

2. (Y) (N)

2. Calculate the product of 5 and 70.

4. (Y) (N)

5. (Y) (N)

3. $12 \div 4 =$ _____

6. (Y) (N)

6. $45 + 45 = 90 \times$

7. (Y) (N)

7. Would the unit of measure for the area of a hand be cm^2 or m^2 ?

8. (Y) (N)

4. $55 \div 5 =$ _____

80 _____



9. (Y) (N)

8. $\frac{1}{2}$ yard = _____ inches

10. (Y) (N)

5. What is the place value of 1 in 8,126?

9. A regular hexagon has:
_____ angles
_____ sides
_____ axes of symmetry

10. $\frac{1}{10}$ of 40 = 4, so $\frac{3}{10}$ of 40 = _____

____ / 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

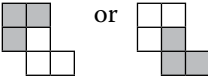
Day 138

- 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
- cm²
- 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
- m³
- 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

ANSWER KEY *(cont.)*

Day 148

1. 11
2. 10
3. 9
4. 3 fives
5. 1,632
6. 10
7. 2.5 or $2\frac{1}{2}$ liters
8. 104
9. cylinder
10. 18 times

Day 149

1. 27
2. yes
3. 2
4. 7 R5
5. $7,000 + 400 + 90$
6. no
7. October, November, December
8. $1,125\text{ cm}^3$
9. 15 inches
10. Estimate: Answers will vary.
Actual Number: 35 dots

Day 150

1. 13
2. 350
3. 3
4. 11
5. hundreds
6. 1
7. cm^2
8. 18
9. 6; 6; 6
10. 12

Day 151

1. 38
2. \$3.75
3. 4
4. 4 R5
5. 2,700
6. 324
7. 5.5 or $5\frac{1}{2}$ cm
8. yardstick
9. 4; 4
10. 2 possible answers: Add 10 to get 50, 60; Multiply by 3, then 5 to get 120, 200

Day 152

1. 39
2. $\frac{81}{100}$
3. 10
4. 15 R2
5. 3 digits
6. 4
7. 16 cm
8. 96
9. D should be circled.
10. 153 cm

Day 153

1. 44
2. 15
3. 2
4. 9 R6
5. nine thousand, fifty-eight
6. 3
7. The clocks should read 9:15.
8. January
9. 8 awards
10. \$4.00

Day 154

1. 2
2. 68%
3. 9
4. 9 R3
5. $2000 + 500 + 70 + 3$
6. 3
7. 2 kg
8. 120
9. A line of symmetry should be drawn from vertex to vertex or side to side.
10. 1,330; 1,300; 1,000

Day 155

1. 71
2. 42
3. 9
4. 8
5. 4,053
6. 5
7. yes
8. 2
9. 5 angles
10. 6; 8; 10; 9

Day 156

1. 11
2. no
3. 21
4. 5 R1
5. 1,800
6. 0.9, 1.0
7. 6 buckets
8. 30 days
9. 5 faces; 5 vertices; a square base
10. 2.25 cm

Day 157

1. 71
2. 0.25
3. 10
4. 7 R4
5. 0
6. 116, 174, 232, 290; 290 cm
7. Wednesday
8. 2
9. 90° angle
10. 4

Day 158

1. 11
2. $\frac{71}{100}$
3. 3
4. 10 R2
5. 2,567 is less than 2, 675
6. 400
7. 9 bottles
8. 7 days
9. 2 diagonals should be drawn from vertex to vertex.
10. A square should be drawn in (G,5).

Day 159

1. 61
2. 85 squares should be shaded.
3. 15 R4
4. 6 R1
5. 1,056
6. 2
7. 365 days
8. 1,000
9. rotation
10. $\frac{1}{4}$