

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

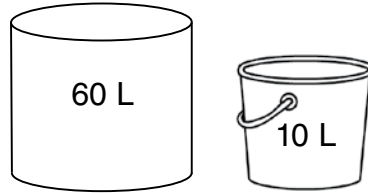
1. (Y) (N)

1. $28 - 17 =$ _____

7. How many buckets will it take to empty the tank?

2. (Y) (N)

2. Is 0.7 less than 0.59?



3. (Y) (N)

8. How many days are in November?

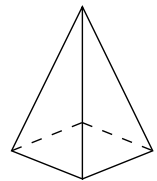
4. (Y) (N)

3. $42 \div 2 =$ _____

6. (Y) (N)

4. $21 \div 4 =$ _____

9. This pyramid has:



7. (Y) (N)

_____ faces

8. (Y) (N)

_____ vertices

9. (Y) (N)

5. What is the even number before 1,802?

A _____ for a base

10. (Y) (N)

6. Write the next two numbers in the pattern.

10. Joel's pencil was 13.2 cm long. Ming's pencil was 15.45 cm long. How much longer was Ming's pencil?

___ / 10

Total

0.6, 0.7, 0.8, _____, _____

NAME: _____

DIRECTIONS Solve each problem.

1.
$$\begin{array}{r} 46 \\ + 25 \\ \hline \end{array}$$

2. Write $\frac{1}{4}$ as a decimal.

3. $70 \div 7 =$ _____

4. $46 \div 6 =$ _____

5. What is the value of the tens place in 2,504?

6. When Amy walks, she covers 58 cm with each step. Complete the chart to find the distance she covers in 5 steps.

Step 1	Step 2	Step 3	Step 4	Step 5
58				

7. Which day of the week is New Year's Eve?

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			

8. 24 months = _____ years

9. What is another name for a right angle?

10. If you multiply me by 13, you get 52. What number am I?

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.
$$\begin{array}{r} 36 \\ - 25 \\ \hline \end{array}$$

2. (Y) (N)

2. Write 0.71 as a fraction.

4. (Y) (N)

3. $24 \div 8 =$ _____

6. (Y) (N)

4. $8 \overline{)82}$

7. (Y) (N)

8. (Y) (N)

5. Is 2,567 greater than or less than 2,675?

10. (Y) (N)

6. $1,467 =$
 $1,000 +$ _____ $+ 60 + 7$

___ / 10

Total

7. How many 4 liter bottles can be filled with 36 liters of juice?

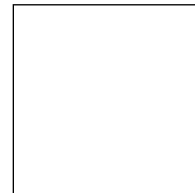
8. Circle the most likely length of a vacation.

7 days

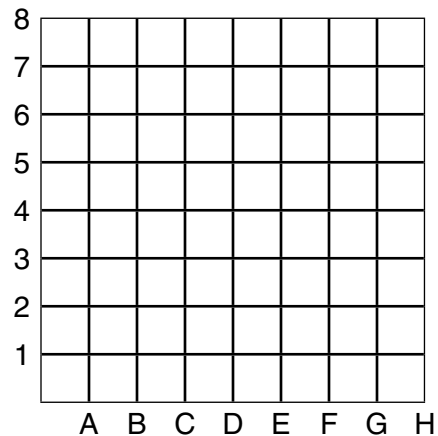
7 months

7 meters

9. Draw in the diagonals for the shape.



10. Draw a square on the coordinates (G,5).



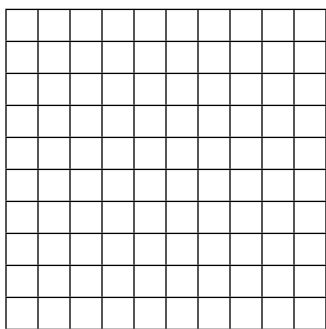
NAME: _____

DIRECTIONS Solve each problem.

1. $38 + 23 =$ _____

6. $10 - 2 = \square \times 4$

2. Shade 85%.



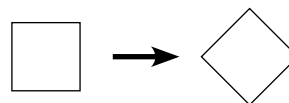
7. How many days are in a year?

3. $6 \overline{)94}$

8. _____ m = 1 km

4. $43 \div 7 =$ _____

9. Fill in the blank with *rotation*, *reflection*, or *translation*.



5. $1,000 + 50 + 6 =$ _____

10. There are 8 circles. 25% are blue. 50% are red. The rest are orange. What fraction of the circles are orange?

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. $47 - 8 =$ _____

2. (Y) (N)

2. 50% of 60 = _____

3. (Y) (N)

3. Calculate the quotient of 525 and 7.

4. (Y) (N)

4. $57 \div 5 =$ _____

5. (Y) (N)

5. What is the number after 4,989?

6. (Y) (N)

6. $81 \div 9 = 9 \times$

7. (Y) (N)

7. The floor has an area of 16 m^2 . It is covered with a mat of 9 m^2 . What area is uncovered?

8. (Y) (N)

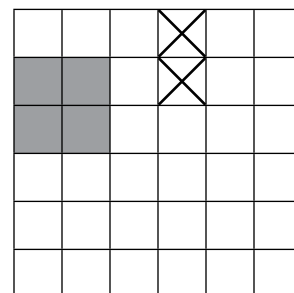
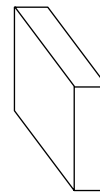
8. 1 _____ = 60 minutes

9. (Y) (N)

9. What type of prism is shown?

10. (Y) (N)

10. If the shaded area is one, what is the area of the crossed region?



___ / 10

Total

ANSWER KEY *(cont.)*

Day 148

- 11
- 10
- 9
- 3 fives
- 1,632
- 10
- 2.5 or $2\frac{1}{2}$ liters
- 104
- cylinder
- 18 times

Day 149

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

Day 150

- 13
- 350
- 3
- 11
- hundreds
- 1
- cm^2
- 18
- 6; 6; 6
- 12

Day 151

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

Day 152

- 39
- $\frac{81}{100}$
- 10
- 15 R2
- 3 digits
- 4
- 16 cm
- 96
- D should be circled.
- 153 cm

Day 153

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

Day 154

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

Day 155

- 71
- 42
- 9
- 8
- 4,053
- 5
- yes
- 2
- 5 angles
- 6; 8; 10; 9

Day 156

- 11
- no
- 21
- 5 R1
- 1,800
- 0.9, 1.0
- 6 buckets
- 30 days
- 5 faces; 5 vertices; a square base
- 2.25 cm

Day 157

- 71
- 0.25
- 10
- 7 R4
- 0
- 116, 174, 232, 290; 290 cm
- Wednesday
- 2
- 90° angle
- 4

Day 158

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

Day 159

- 61
- 85 squares should be shaded.
- 15 R4
- 6 R1
- 1,056
- 2
- 365 days
- 1,000
- rotation
- $\frac{1}{4}$

ANSWER KEY *(cont.)*

Day 160

- 39
- 30
- 75
- 11 R2
- 4,990
- 1
- 7 m^2
- hour
- rectangular prism
- $\frac{1}{2}$

Day 161

- 43
- $\frac{25}{100}$ or $\frac{1}{4}$
- 7 R1
- 4
- $1,000 + 400 + 10 + 4$
- $\frac{4}{100}$
- 20 mm
- 2
- 5
- Answers will vary.
Possibilities include:
 $12 + 13 - 10 - 4 - 1$

Day 162

- 13
- 73%
- 19
- 5 R4
- thousands
- 27
- 24 cm
- 72
- yes
- 12 cookies

Day 163

- 42
- greater than
- 13 R5
- 8
- 4,700
- 10
- The clock should read 7:50;
10 to 8
- September, October,
November, December
- A square should be drawn.
- \$50

Day 164

- 34
- 45%
- 9
- 5
- 4,800
- 3
- 10 kg
- 31 days
- 25 books
- 792

Day 165

- 72
- yes
- 7
- 5
- 6 hundreds or 600
- 50¢, 75¢, \$1.00, \$1.25
- 80 mm
- 7
- A line of symmetry should
be drawn from vertex to
vertex or side to side.
- 50¢

Day 166

- 18
- 0.37
- 5
- 8 R3
- $3,000 + 10 + 4$
- 660
- 40
- a minute
- a circle
- 17

Day 167

- 71
- 25
- 10 R2
- 10 R6
- 1,400
- 1
- January 1
- liter
- perpendicular lines
- 60

Day 168

- 11
- 62 squares should be
shaded.
- 10 R4
- 4
- 3,970
- 400
- 250 milliliters
- 240
- true
- $2\frac{1}{2}$ minutes

Day 169

- 53
- 30%
- 3
- 6
- no
- \$5.00; \$7.50; \$10.00;
Week 4
- December 31
- 30 cm
- A line should be drawn
from the can to the
cylinder.
- 50¢

Day 170

- 23
- 35%
- 5 R3
- 3 R10
- 1,280
- 2
- area
- 9:00 P.M.
- rotation
- 21