

HOW TO USE THIS BOOK

180 Days of Math for Fifth 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 fifth-grade practice page provides 12 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 Standards
1	Addition or Subtraction	Understands meanings of operations and how they relate to one another; Computes fluently and makes reasonable estimates
2	Multiplication	
3	Division	
4	Place Value or Number Sense	Understands numbers, ways of representing numbers, relationships among numbers, and number systems; Understands place-value structure of the base-ten number system
5	Fractions, Decimals, and Percents	Recognizes and generates equivalent forms of fractions, decimals, and percents
6	Order of Operations and Patterns	Understands the meanings of operations and how they relate to one another; represent and analyze patterns and functions
7	Algebra	Understands patterns, relations, and functions; Represents and analyzes mathematical situations and structures using algebraic symbols
8	Measurement	Understands measurable attributes of objects and the units, systems, and processes of measurement; Applies appropriate techniques and formulas to determine measurements
9	Geometry	Analyzes characteristics and properties of two- and three-dimensional geometric shapes; Uses visualization and spatial reasoning to solve problems
10	Data Analysis	Selects and uses appropriate statistical methods to analyze data
11	Probability	Understands and applies basic concepts of probability
12	Word Problem/Logic Problem or Mathematical Reasoning	Solves problems that arise in mathematics and in other contexts; 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.
$$\begin{array}{r} 148 \\ - 37 \\ \hline \end{array}$$

2. (Y) (N)

2. List the first 4 multiples of 5.

3. (Y) (N)

4. (Y) (N)

3. $791 \div 4 = \underline{\hspace{2cm}}$

5. (Y) (N)

4. What is the number before 13,301?

6. (Y) (N)

7. (Y) (N)

5. Write the mixed number for $\frac{8}{3}$.

8. (Y) (N)

6. $9 \times 9 + 80 - 40 =$

9. (Y) (N)

10. (Y) (N)

7. $\square \div 8 = 4$

11. (Y) (N)

8. What is the elapsed time from 9:45 A.M. to 11:16 A.M.?

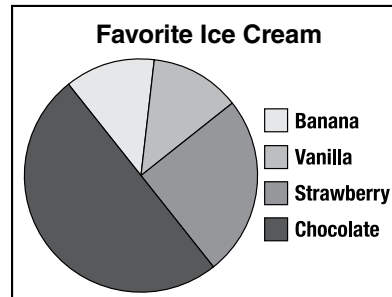
12. (Y) (N)

9. Are there any perpendicular lines in the letter A?

___ / 12

Total

10. What percentage of the people chose vanilla ice cream as their favorite?



11. You can choose 2 toppings for your toast. Your choices are the following: grape jam, butter, honey, and peanut butter. List all the possible combinations you can make.

12. Complete the chart by rounding the number 621,498 to the specified place.

Ten	
Hundred	
Thousand	
Ten Thousand	
Hundred Thousand	

NAME: _____

DIRECTIONS Solve each problem.

1. $76 + 62 = \underline{\hspace{2cm}}$

2.
$$\begin{array}{r} 43 \\ \times 12 \\ \hline \end{array}$$

3. $5 \overline{)825}$

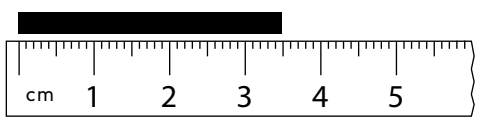
4. Is 5,849 greater than or less than 6,849?

5. Calculate half of \$9.70.

6. $72 \div 8 + 25 \times 3 = \underline{\hspace{2cm}}$

7. $42 \times 1 = 42 + \square$

8. What is the line length in centimeters?

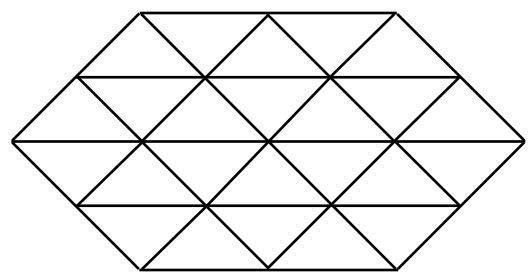


9. What is the sum of the inside angles of a triangle?

10. What is the outlier in this data set?
278, 324, 353, 125, 314

11. Imagine that you write each letter of the word *CALIFORNIA* on individual cards. You shuffle them, turn them facedown on a table, and turn over the top card. What is the probability of turning over one of the first three letters of the alphabet?

12. Find and color 5 parallelograms within the image below.



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)

11. (Y) (N)

12. (Y) (N)

___ / 12

Total

NAME: _____

DIRECTIONS Solve each problem.

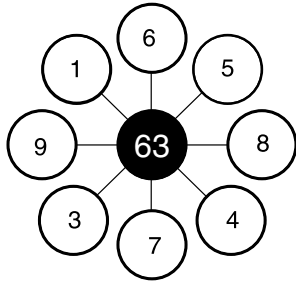
SCORE

1. (Y) (N)

1. $187 - 55 = \underline{\hspace{2cm}}$

2. (Y) (N)

2. Color the two factors that give the central product.



3. (Y) (N)

3. $6 \overline{) 827}$

4. (Y) (N)

4. Which digit is in the thousands place in the number 45,678?

5. (Y) (N)

5. Write 0.25 as a fraction.

6. (Y) (N)

6. $15 \times 3 + 25 = \underline{\hspace{2cm}}$

7. (Y) (N)

7. $\square \times 8 = 168$

8. (Y) (N)

8. Calculate the perimeter of a rectangle that is 7 cm by 3 cm.

9. (Y) (N)

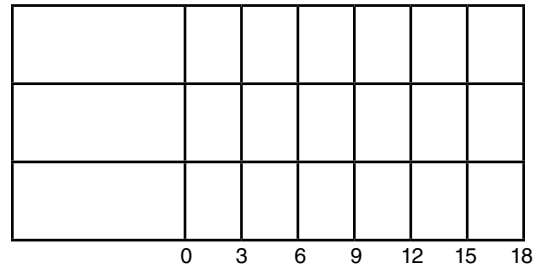
9. How many angles are inside a quadrilateral?

10. (Y) (N)

10. Create a bar graph based on the tally chart below. Label the graph.

Money in Tommy's Bank

Quarters				
Dimes				
Nickels				



11. (Y) (N)

11. A family has five members: a mom, a dad, two sisters, and a brother. The family lines up single file. What is the probability that the grandma is at the front of the line?

12. (Y) (N)

12. Raj has a collection of 30 toy cars. One-third of his collection is trucks. One-half of the collection is racing cars. The rest are sports cars. How many sports cars are in his collection?

____ / 12
Total

NAME: _____

DIRECTIONS Solve each problem.

1.
$$\begin{array}{r} 325 \\ + 134 \\ \hline \end{array}$$

2. $17 \times 72 =$ _____

3. $664 \div 7 =$ _____

4. Round 35,469 to the nearest thousand.

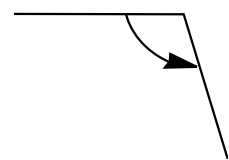
5. Write 65% as a fraction.

6. $81 \div 9 + 56 \div 8 =$

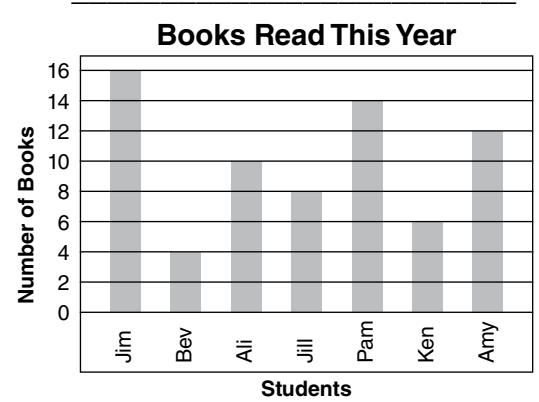
7.
$$\begin{array}{r} \square \\ + \quad 4 \\ \hline 38 \end{array}$$

8. Could the volume of a room be 90 cm^3 or 90 m^3 ?

9. Is the angle greater than or less than 90° ?



10. What percentage of the total books did Jill read?



11. You place the following shapes in a bag: 5 circles, 3 triangles, 7 squares, and 5 rectangles. If you reach into the bag and grab one shape, what is the probability that it will *not* be a square?

12. If you multiply me by 16, the product is 128. 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)

11. (Y) (N)

12. (Y) (N)

___ / 12

Total

NAME: _____

DIRECTIONS

Solve each problem.

SCORE

1. (Y) (N)

1. $389 - 125 = \underline{\hspace{2cm}}$

9.

One of the angles of a triangle is 90° . What kind of triangle is it: *right*, *isosceles*, or *scalene*?

2. (Y) (N)

2.
$$\begin{array}{r} 325 \\ \times 34 \\ \hline \end{array}$$

10.

What is the mean of these numbers?
81, 34, 79, 52, 66

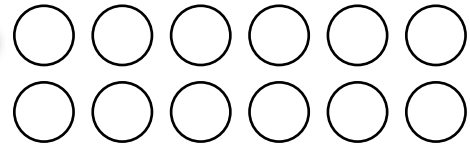
3. (Y) (N)

3. $4 \overline{)276}$

4. (Y) (N)

4. How many digits are in 90,030?

11.



5. (Y) (N)

5. $\frac{3}{4} \times 32 = \underline{\hspace{2cm}}$

These twelve marbles are put into a bag and randomly selected for a game. Color the circles so there is a 50% probability of selecting orange, a 25% chance of selecting blue, and a 25% chance of selecting yellow.

6. (Y) (N)

6. $56 \div 7 - 42 \div 7 = \underline{\hspace{2cm}}$

7. (Y) (N)

7. $7 \times 10 = 140 \div \square$

8. (Y) (N)

8. What is the volume of the prism?

12.

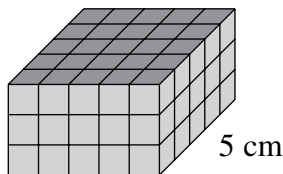
Find the rule and complete the table.

9. (Y) (N)

10. (Y) (N)

11. (Y) (N)

12. (Y) (N)



Input	Output
8	2
12	3
16	
20	

___ / 12

Total

ANSWER KEY *(cont.)*

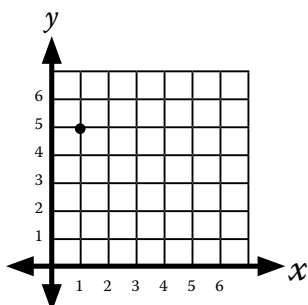
- 36
- 10
- 20
- 8
- 0 vertices
- 14 books
- $\frac{1}{2}$, 0.50, 50%, or 1 out of 2
- \$5.00

Day 139

- 159
- 63; 630; 6,300
- 187 R1 or 187.25
- 26,009
- 0.82
- 125
- 27
- 3.5
- 75°
- 7
- $\frac{1}{2}$, 0.50, 50%, or 1 out of 2
- Second number: 33; 38; 43. Rule: Subtract 27 from the first number to get the second number.

Day 140

- 23
- 1144
- 75 R1 or 75.16
- thousands
- 6.75 or $6\frac{3}{4}$
- 125
- 45
- 3
- no
-



- 2 times
- magic square answers:

9	4	5
2	6	10
7	8	3

Day 141

- 388
- 64
- 72 R6 or 72.66
- 1,378
- 1
- 10,057
- 3
- no
- no
- +
- $\frac{75}{200}$, $\frac{3}{8}$, 0.375, 37.5%, or 3 out of 8
- $\frac{69}{100}$; 0.69; 69%

Day 142

- 307
- 752
- 95 R1 or 95.11
- 8 hundreds
- 45
- 65
- 14
- 30 cm²
- yes
- 52
- 6 blue blocks
- 1,571 turkeys

Day 143

- 53
- 567
- yes
- 158,249
- $1\frac{7}{8}$
- 45
- 7
- 16
- 8 cm
- \$250.00

- Answers may vary.
- \$199,000

Day 144

- 23
- 315
- 25 R1 or 25.14
- 28,302
- $\frac{7}{4}$ or $\frac{14}{8}$
- 140
- 109
- 120
- The long triangular prism on the left should be circled.
- true
- $\frac{1}{16}$, 0.0625, 6.25%, or 1 out of 16
- answers after 1: 4, 6, 12, 3, 2

Day 145

- 117
- 1,411
- 54
- 5,000 or 5 thousands
- 30
- 240
- 5
- 2
- 1
- 8 cups of lemonade
- $\frac{4}{10}$, $\frac{2}{5}$, 0.40, 40%, or 2 out of 5
- \$3.35

Day 146

- 111
- 5, 10, 15, 20
- 197 R3 or 197.75
- 13,300
- $2\frac{2}{3}$
- 121
- 32
- 91 minutes
- no

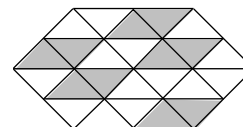
- $\frac{1}{8}$, 0.125, 12.5%, or 1 out of 8
- grape jam, butter; grape jam, honey; grape jam, peanut butter; butter, honey; butter, peanut butter; honey, peanut butter; or vice versa

12.

Ten	621,500
Hundred	621,500
Thousand	621,000
Ten thousand	620,000
Hundred thousand	600,000

Day 147

- 138
- 516
- 165
- less than
- \$4.85
- 84
- 0
- 3.5 cm
- 180°
- 125
- $\frac{3}{10}$, 0.30, 30%, or 3 out of 10
- Answers will vary.

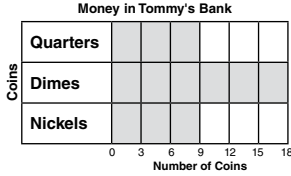


Day 148

- 132
- 7 and 9 should be colored.
- 137 R5 or 137.83
- 5
- $\frac{25}{100}$ or $\frac{1}{4}$
- 70
- 21
- 20 cm
- 4 angles

ANSWER KEY (cont.)

10.



11. 0

12. 5 cars

Day 149

1. 459

2. 1,224

3. 94 R6 or 94.86

4. 35,000

5. $\frac{65}{100}$ or $\frac{13}{20}$

6. 16

7. 34

8. 90 m^3

9. greater than

10. 11.4%

11. $\frac{13}{20}$, 0.65, 65%, or 13 out of 20

12. 8

Day 150

1. 264

2. 11,050

3. 69

4. 5 digits

5. 24

6. 2

7. 2

8. 75 cm^3

9. right triangle

10. 62.4

11. 6 marbles should be colored orange, 3 blue, and 3 yellow.

12. 4; 5

Day 151

1. 89

2. 936

3. 10 R12 or 10.86

4. less than

5. $\frac{5}{3}$

6. 1,264

7. 10

8. 6:49 P.M.

9. true

10. square

11. $\frac{2}{3}$, 0.66, 66%, or 2 out of 3

12. 6 feet

Day 152

1. 45

2. 3,116

3. 16

4. 465,381

5. \$5.30

6. 8

7. 7

8. 5.8

9. 5 vertices

10. 5 books

11. about 66 people

12. \$1.25

Day 153

1. 189

2. 36

3. 13 R17 or 13.68

4. 9,620

5. 55%

6. 9

7. 10

8. 36 cm^2

9. cylinder

10.



11. 9 times

12. 100 pages

Day 154

1. 124

2. 984

3. 11 R4 or 11.31

4. 5,000 or 5 thousands

5. $\frac{1}{2}$

6. 65

7. 86

8. 90

9. 4 faces

10. 17 mm

11. 0

12. 25%

Day 155

1. 168

2. 735

3. 16 R1 or 16.06

4. no

5. $\frac{4}{10}$ or $\frac{2}{5}$

6. 315

7. 88

8. 72

9. false

10. 22 people

11. $\frac{3}{4}$, 0.75, 75%, or 3 out of 4

12. magic square answers:

7	12	5
6	8	10
11	4	9

Day 156

1. 141

2. 828

3. 14 R24 or 14.66

4. 59,998

5. \$20.00

6. 55

7. 160

8. 36 minutes

9. obtuse angles

10. no

11. $\frac{7}{12}$, 0.28, 28%, or 7 out of 12

12.

x	8	5	7	9
6	48	30	42	54
7	56	35	49	63
8	64	40	56	72
9	72	45	63	81

Day 157

1. 457

2. 4,176

3. 41

4. no

5. \$34.00

6. 85

7. 67

8. 4

9. 12 edges

10. 40 members

11. circle graph should show thirds numbered 1, 2, and 3.

12. 48 children

Day 158

1. 209

2. 742

3. 11 R21 or 11.31

4. 38,649

5. $\frac{4}{3}$

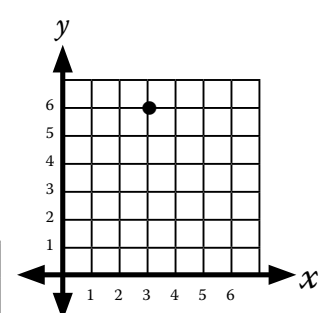
6. 101

7. 25

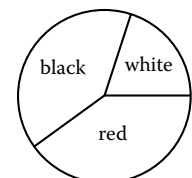
8. yes

9. 2 or more lines of symmetry should be drawn from a vertex perpendicular to the opposite side.

10.



11.



12. 3 months