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 spacial 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.

1. Ⓨ Ⓝ

2. Ⓨ Ⓝ

3. Ⓨ Ⓝ

4. Ⓨ Ⓝ

5. Ⓨ Ⓝ

6. Ⓨ Ⓝ

7. Ⓨ Ⓝ

8. Ⓨ Ⓝ

9. Ⓨ Ⓝ

10. Ⓨ Ⓝ

11. Ⓨ Ⓝ

12. Ⓨ Ⓝ

___ / 12
Total

1. Take 38 away from 179.

_____

2.
$$\begin{array}{r} 18 \\ \times\ 46 \\ \hline \end{array}$$

3. $36\overline{)528}$

4. What is the last even number before 60,000?

_____

5. 50% of $40 is _____

6. $50 \div 2 + 30 = \boxed{}$

7. $\boxed{} \div 8 = 20$

8. How many minutes are there from 19 to 7 until 17 past 7?

_____

9. Are the angles on a regular pentagon *acute*, *right*, or *obtuse*?

_____

10. Gary has 23 quarters. He wants to buy a music CD that costs $13.95. He saves 4 quarters every week. Will he have enough quarters in 4 weeks to buy the CD?

_____

Start	Week 1	Week 2	Week 3	Week 4
23	27	31	35	39

11. You have a bag of 12 marbles. Six of the marbles are blue, two are green, three are yellow, and one is red. If you reach into the bag and grab one marble, what is the probability that it will be red or blue?

_____

12. Complete the multiplication table.

x	8		17	
	128			
37		185		
			476	
19				361

NAME:_____

DIRECTIONS Solve each problem.

1.
348
+ 109

2. 72 • 58 = _____

3. 23 $\overline{)943}$

4. Is 5,259 less than 4,259?

_____

5. 50% of $68 is _____.

6. 60 ÷ 4 + 70 = _____

7.
135
– ☐
68

8. 16 cups = _____ quarts

9. How many edges are on a rectangular prism?

_____

10. Half of the soccer club are also members of the debate club. How many students are in the debate club?

_____

Sports Clubs

11.

This is a spinner for a board game. Label the spinner so there is an equal probability of landing on a 1, 2, or 3.

12. 96 children are on the playground. $\frac{1}{4}$ of them are on the playground equipment. 24 of them are playing basketball. The rest are playing soccer. How many children are playing soccer?

_____

SCORE

1. Ⓨ Ⓝ

2. Ⓨ Ⓝ

3. Ⓨ Ⓝ

4. Ⓨ Ⓝ

5. Ⓨ Ⓝ

6. Ⓨ Ⓝ

7. Ⓨ Ⓝ

8. Ⓨ Ⓝ

9. Ⓨ Ⓝ

10. Ⓨ Ⓝ

11. Ⓨ Ⓝ

12. Ⓨ Ⓝ

___ / 12
Total

NAME:_____

SCORE

1. Ⓨ Ⓝ

2. Ⓨ Ⓝ

3. Ⓨ Ⓝ

4. Ⓨ Ⓝ

5. Ⓨ Ⓝ

6. Ⓨ Ⓝ

7. Ⓨ Ⓝ

8. Ⓨ Ⓝ

9. Ⓨ Ⓝ

10. Ⓨ Ⓝ

11. Ⓨ Ⓝ

12. Ⓨ Ⓝ

___ / 12
Total

1. $347 - 138 =$ _____

2. $53 \times 14 =$ _____

3. $67 \overline{)758}$

4. $30,000 + 8,000 + 600 + 40 + 9 =$

_____

5. Write $1\frac{1}{3}$ as an improper fraction.

_____

6. $40 \times 2 + 3 \times 7 =$ _____

7.
$$\begin{array}{r} \square \\ \times \quad 4 \\ \hline 100 \end{array}$$

8. Is 750 mL three-fourths of 1 L?

_____

9. Draw at least 2 lines of symmetry.
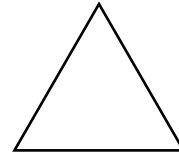
10. Plot the following point on the graph: (3, 6)

11.
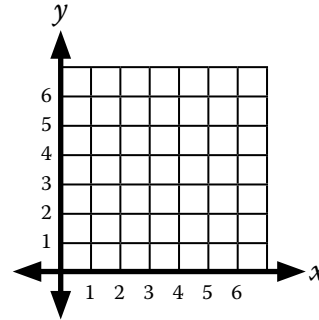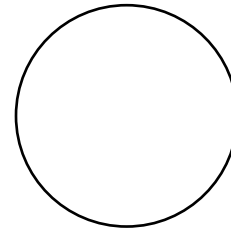
This is a spinner for a board game. Label the circle to show a 40% chance of black, a 40% chance of red, and a 20% chance of white.

12. Michelle loves to knit hats. It takes her one week to knit a hat. About how many months would it take her to knit 12 hats?

_____

NAME:_____

DIRECTIONS Solve each problem.

1. 38 + 46 = _____

2. Calculate the product of 53 and 28.

_____

3. 824 ÷ 74 = _____

4. What is the number 100 more than 24,803?

_____

5. Write the mixed number for $\frac{10}{3}$.

_____

6. 30 − (45 ÷ 3) = _____

7.
```
  35
+ ☐
―――
  83
```

8. Is 11 minutes to 10 the same as 10:11?

_____

9. What is the name of a triangle with two equal sides?

_____

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

_____

Books Read This Year
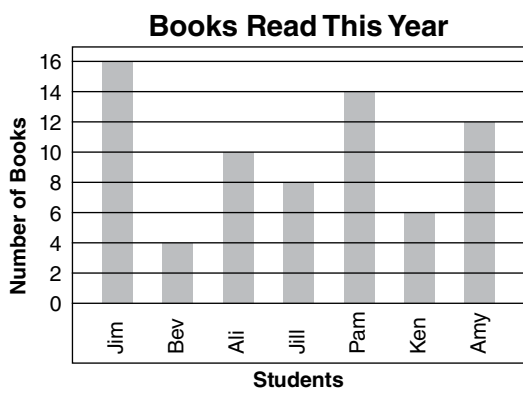
11. Imagine that you write each letter of the word *GREAT* on individual cards. You shuffle them, turn them facedown on a table, and turn over the top card. What is the probability of turning over an *L*?

_____

12. Complete the input/output table. Find the pattern and write the rule.

Input	1	2	3	4	5	6
Output	5		15			

_____

1. Ⓨ Ⓝ
2. Ⓨ Ⓝ
3. Ⓨ Ⓝ
4. Ⓨ Ⓝ
5. Ⓨ Ⓝ
6. Ⓨ Ⓝ
7. Ⓨ Ⓝ
8. Ⓨ Ⓝ
9. Ⓨ Ⓝ
10. Ⓨ Ⓝ
11. Ⓨ Ⓝ
12. Ⓨ Ⓝ

___ / 12
Total

NAME: _____

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

1.
$$\begin{array}{r} 95 \\ -\ 52 \\ \hline \end{array}$$

2. List the first four multiples of 3.

_____

3. $62\overline{)764}$

4. Arrange the numbers in ascending order.

3,319; 1,648; 2,025

_____

5. 10% of $400.00 is _____

6. 25 + (20 x 30) = _____

7. 5 x 50 = 200 + x

x = _____

8. 3 quarts = _____ cups

9. Is a hexagon a quadrilateral?

_____

10.

Number of Desserts Sold

Type of Dessert						
Cakes						
Pies						
Cookies						

0   5   10   15   20   25   30
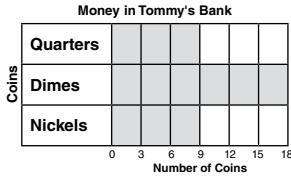**Number of Desserts**
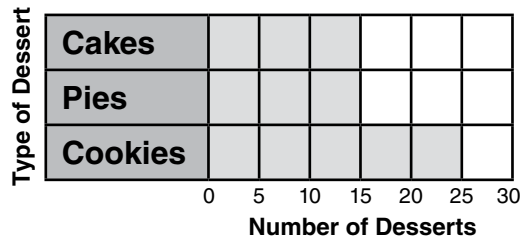
Cakes make up what fraction of all desserts sold?

_____

11. Imagine that you write each letter of the word *MISSISSIPPI* 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 an *S*?

_____

12. If you multiply me by 3, the product is 84. What number am I?

_____

10.

Money in Tommy's Bank

Coins						
Quarters						
Dimes						
Nickels						

Number of Coins: 0 3 6 9 12 15 18

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 m³
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 cm³
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
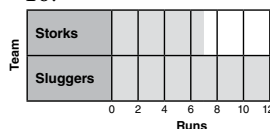1. 189
2. 36
3. 13 R17 or 13.68
4. 9,620
5. 55%
6. 9
7. 10
8. 36 cm²
9. cylinder
10.

Team						
Storks						
Sluggers						

Runs: 0 2 4 6 8 10 12

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
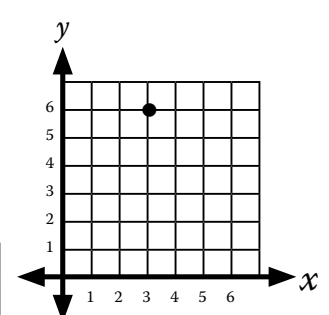1. 209
2. 742
3. 11 R21 or 11.31
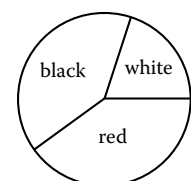4. 38,649
5. $\frac{4}{3}$
6. 101
7. 25
8. yes
9. 2 or more lines of symmetry should be drawn from a vertex perpendicular to the opposite side.
10.

11.

12. 3 months

Day 159
1. 84
2. 1,484
3. 11 R10 or 11.16
4. 24,903
5. $3\frac{1}{3}$
6. 15
7. 48
8. no
9. isosceles triangle
10. 14.3%
11. 0
12. Output: 5, 10, 15, 20, 25, 30
    Rule: Multiply the input by 5 to get the output.

Day 160
1. 43
2. 3, 6, 9, 12
3. 12 R20 or 12.32
4. 1,648; 2,025; 3,319
5. $40.00
6. 625
7. 50
8. 12
9. no
10. $\frac{3}{11}$
11. $\frac{4}{11}$, 0.36, 36%, or 4 out of 11
12. 28

Day 161
1. 183
2. 1,026
3. 11 R32 or 11.40
4. greater than
5. 2
6. 34,907
7. 1
8. 30 m³
9. false
10. octagon
11. Number 1
12. $45.00

Day 162
1. 131
2. 8 and 9 should be colored.
3. 10 R25 or 10.57
4. 84,079
5. $\frac{5}{4}$
6. 88
7. 5
8. 12
9. yes
10. 102.2
11. green shirt, skirt; green shirt, pants; red shirt, skirt; red shirt, pants
12. Clockwise after 1: 2, 3, 4, 24, 12, 8, 6

Day 163
1. 203
2. 1,127
3. 15 R1 or 15.04
4. 3,567; 3,657; 3,756
5. $\frac{4}{5}$
6. 129
7. 7
8. 4,500
9. 8 vertices
10. 422
11. $\frac{3}{10}$, 0.30, 30%, or 3 out of 10
12. up to 8 squares can be found

Day 164
1. 108
2. 81
3. 1, 2, 4, 5, 10, 20
4. 58,000
5. $1\frac{3}{5}$
6. 71
7. 183
8. 18 m
9. no
10. 624
11. unlikely
12. $8.50

Day 165
1. 494
2. 15.75
3. 11 R51 or 11.71
4. 2 ten thousands or 20,000
5. $18.10
6. 330
7. 200
8. 42
9. 5 faces
10. true
11. $\frac{125}{200}$, $\frac{5}{8}$, 0.625, 62.5%, or 5 out of 8
12. 172,800 seconds

Day 166
1. 223
2. 1,288
3. 12 R21 or 12.34
4. 73rd
5. 70
6. 40
7. 140
8. 27 cm³
9. no
10. 12.5%
11. $\frac{15}{20}$, $\frac{3}{4}$, 0.75, 75%, or 3 out of 4
12. 10 yards

Day 167
1. 54
2. 2,550
3. yes
4. 600,004
5. 0.35
6. 56
7. 42
8. 24 cm
9. no
10. false
11. $\frac{1}{2}$, 0.50, 50%, or 1 out of 2
12. 5 pieces

Day 168
1. 25
2. 6745
3. 17 R4 or 17.25
4. 30,000 or 3 ten thousands
5. $2\frac{1}{4}$
6. 51
7. 21
8. 20 cm²
9. 165°
10. 40 members
11. blue
12. $5.00

Day 169
1. 206
2. 3,526
3. 11 R36 or 11.92
4. 56,299
5. $\frac{4}{5}$
6. 13
7. 59
8. 3,000
9. any angle bigger than 90° but smaller than 180°
10. true
11. $\frac{2}{7}$, 0.285, 28.5%, or 2 out of 7
12. 460,729

Day 170
1. 105
2. 0.2314
3. 13 R11 or 13.39
4. 80,000
5. $\frac{3}{4}$
6. 131
7. 16
8. 6
9. 75 inches
10. 40 books
11. $\frac{150}{200}$, $\frac{3}{4}$, 0.75, 75%, or 3 out of 4
12. magic square answers:

10	5	6
3	7	11
8	9	4