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. 35 + 54 = _____

2. Calculate the product of 13 and 72.

_____

3. 152 ÷ 14 = _____

4. Is 68,925 greater than or less than 68,952?

_____

5. Write $1\frac{2}{3}$ as an improper fraction.

_____

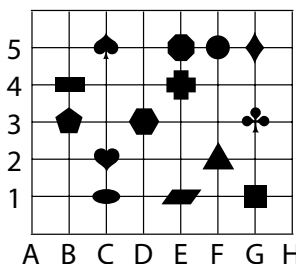**6.** Write the number that comes next in the sequence.

1,564; 1,464; 1,364; _____
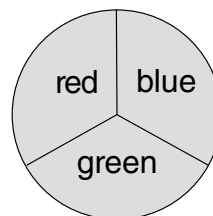
7. 6 x ☐ = 100 – 40

8. What is 12 hours after 6:49 A.M.?

_____

9. True or false? Perpendicular lines are lines that meet at right angles.

_____

10. Name the shape that is located at (G,1).

_____

11. Using the spinner, what is the probability you will *not* land on green?

_____

12. Genevieve is half the height of her dad. Genevieve is 36 inches tall. How many feet tall is her dad?

_____

1. Ⓨ Ⓝ

2. Ⓨ Ⓝ

3. Ⓨ Ⓝ

4. Ⓨ Ⓝ

5. Ⓨ Ⓝ

6. Ⓨ Ⓝ

7. Ⓨ Ⓝ

8. Ⓨ Ⓝ

9. Ⓨ Ⓝ

10. Ⓨ Ⓝ

11. Ⓨ Ⓝ

12. Ⓨ Ⓝ

___ / 12

Total

NAME:_____

DIRECTIONS Solve each problem.

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.
$$\begin{array}{r} 87 \\ -\ 42 \\ \hline \end{array}$$

2. 41 x 76 = _____

3. 14 $\overline{)224}$

4. 400,000 + 60,000 + 5,000 + 300 + 80 + 1 =

_____

5. Double $2.65. _____

6. 90 ÷ 5 − 10 = _____

7.
$$\begin{array}{r} 45 \\ -\ \boxed{} \\ \hline 38 \end{array}$$

8. 58 mm = _____ cm

9. How many vertices are on a rectangular pyramid?

_____

10. **Books Read**

⬛ = 10 books

Mark	▬ ▬ ▬ ▬ ▬ ▬
Eric	▬ ▬ ▬
David	▬ ▬ ▬ ▬ ▬

It took Eric 6 months to read his books. If he read an equal amount of books each month, how many books did he read each month?

_____

11. If the probability that someone knows how to swim is $\frac{2}{3}$, how many people in a group of 100 will likely know how to swim?

_____

12. Marcia gets $5.00 per week for allowance. She spends half of the money. She saves one-fourth of the money and she gives the rest to charity. How much does she give to charity each week?

_____

NAME:_____

DIRECTIONS Solve each problem.

1.
125
+ 64

2. 6^2 = _____

3. 342 ÷ 25 = _____

4. Write the largest four-digit number possible using the digits 2, 6, 9, and 0.

_____

5. Write 0.55 as a percentage.

_____

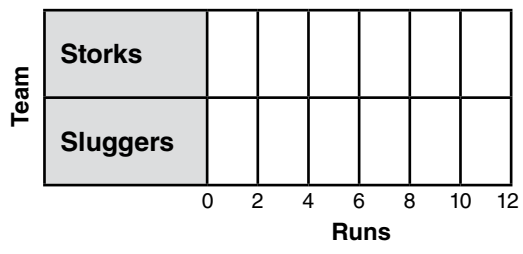**6.** 14 − 25 ÷ 5 = _____

7. 20 x ☐ = 200

8. Calculate the area of a square with 6-cm sides.

_____

9. Which 3-dimensional figure has two circular faces?

_____

10. Record the following data in a bar graph.

The Storks scored 7 runs.

The Sluggers scored 12 runs.

Team	Storks							
	Sluggers							

0   2   4   6   8   10   12
Runs

11. In a game, the probability that a spinner will land on a 2 is $\frac{3}{5}$. How many times would you expect a 2 if you spin the spinner 15 times?

_____

12. If you can read 25 pages in half an hour, how many pages can you read in 2 hours?

_____

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. Take 63 away from 187.

_____

2.
$$\begin{array}{r} 82 \\ \times\ 12 \\ \hline \end{array}$$

3. $147 \div 13 =$ _____

4. What is the value of the digit 5 in the number 95,340?

_____

5. Simplify $\frac{3}{6}$. _____
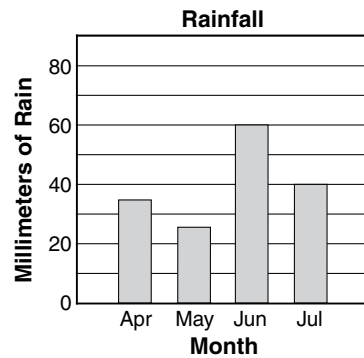
6. $25 + 80 \div 2 =$ _____

7. ☐ $- 49 = 37$

8. $1\frac{1}{2}$ hours = _____ minutes

9. How many faces are there on a triangular pyramid?

_____

10. The rainfall for April last year was 52 mm. How much less rain was recorded in April in the graph below?

_____

Rainfall

11. You make trail mix using the following ingredients: 25 candies, 50 raisins, 75 pieces of cereal, and 50 peanuts. If you reach in the bowl and grab one piece of food, what is the probability you will grab a pretzel?

_____

12. There are 8 balls. Four of the balls are red. Two of the balls are green. The rest are orange. What percentage of the balls are orange?

_____

NAME:_____

DIRECTIONS Solve each problem.

1. 116 + 52 = _____

2. 49 x 15 = _____

3. 17 $\overline{)273}$

4. Is 57,201 less than 57,102?

_____

5. $\frac{2}{10} + \frac{2}{10}$ = _____

6. Write the number that comes next in the sequence.

45, 135, 225, _____
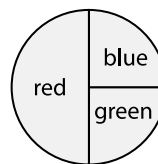
7. 8 x 6 = ☐ – 40

8. 2 yards = _____ inches

9. True or false? All rectangles are squares.

_____

10. **Fish Caught**

Juan	Maggi	Max	Erik	Aliki	Tia	Jarome
7	4	5	7	11	4	7

One fish can feed two people. How many people can Aliki feed with the fish she caught?

_____

11. Using the spinner below, what is the probability that you will land on red or green?

blue
red
green _____

12. In magic squares, each row, column, and diagonal adds up to the same number. Complete the magic square using each number 4–12 only once.

7		5
	8	
		9

1. Ⓨ Ⓝ

2. Ⓨ Ⓝ

3. Ⓨ Ⓝ

4. Ⓨ Ⓝ

5. Ⓨ Ⓝ

6. Ⓨ Ⓝ

7. Ⓨ Ⓝ

8. Ⓨ Ⓝ

9. Ⓨ Ⓝ

10. Ⓨ Ⓝ

11. Ⓨ Ⓝ

12. Ⓨ Ⓝ

___ / 12
Total

10.

Money in Tommy's Bank

Quarters						
Dimes						
Nickels						

0 3 6 9 12 15 18
Number of Coins

Coins
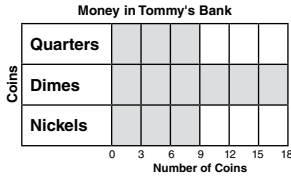
11. 0
12. 5 cars

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.

Storks						
Sluggers						

0 2 4 6 8 10 12
Runs

Team

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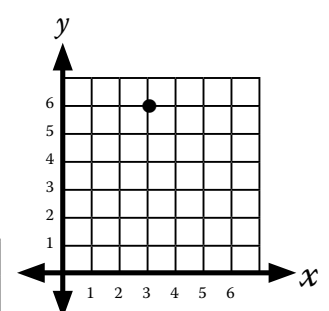3. 11 R21 or 11.31
4. 38,649
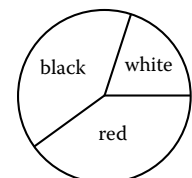5. $\frac{4}{3}$
6. 101
7. 25
8. yes
9. 2 or more lines of symmetry should be drawn from a vertex perpendicular to the opposite side.
10.

11.

12. 3 months