

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.

1.
$$\begin{array}{r} 252 \\ + 136 \\ \hline \end{array}$$

2. $8^2 =$ _____

3. $9 \overline{)654}$

4. Write the smallest four-digit numeral possible using the digits 8, 3, 7, and 1.

5. $\frac{2}{3} + \frac{1}{3} =$ _____

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

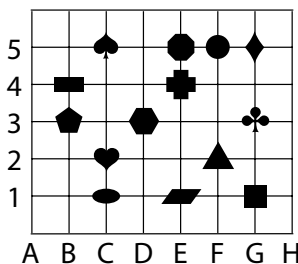
9,757; 9,857 9,957; _____

7. $27 \div \square = 4 + 5$

8. Is 7:32 in the morning the same as 7:32 P.M.?

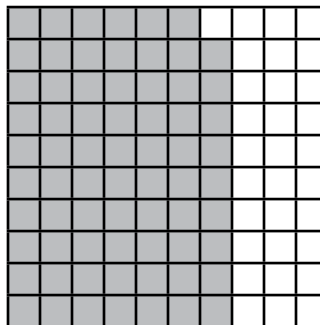
9. Is 120° a right angle?

10. Name the shape that is located at (E,4).



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 peanut or a piece of candy?

12. Record the shaded region as a fraction, decimal, and percentage.



Fraction	Decimal	Percentage

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. Subtract 39 from 346.

2. (Y) (N)

$$\begin{array}{r} 2. \quad 47 \\ \times 16 \\ \hline \end{array}$$

3. (Y) (N)

3. $856 \div 9 =$ _____

4. (Y) (N)

4. How many hundreds are in 4,891?

5. (Y) (N)

5. $\frac{3}{4}$ of 60 is _____.

6. (Y) (N)

6. $30 \div 2 + 50 =$ _____

7. (Y) (N)

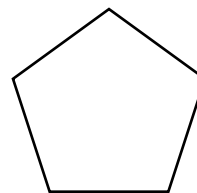
$$\begin{array}{r} 7. \quad 21 \\ + \square \\ \hline 35 \end{array}$$

8. (Y) (N)

8. Calculate the area of a rectangle that is 5 cm by 6 cm.

9. (Y) (N)

9. Is a pentagon a plane shape?



10. (Y) (N)

10. What is the median of this data set?
52, 48, 56, 53, 49

11. (Y) (N)

11. Two red and two blue blocks are placed into a bag. You randomly take one block out of the bag. If you replace all the blocks each time you take one out, how many blue blocks would you expect to pull if you try 12 times?

12. (Y) (N)

12. Three farms have 1,890 turkeys altogether. If one farm has 319 turkeys, how many turkeys do the other farms have altogether?

___ / 12

Total

NAME: _____

DIRECTIONS Solve each problem.

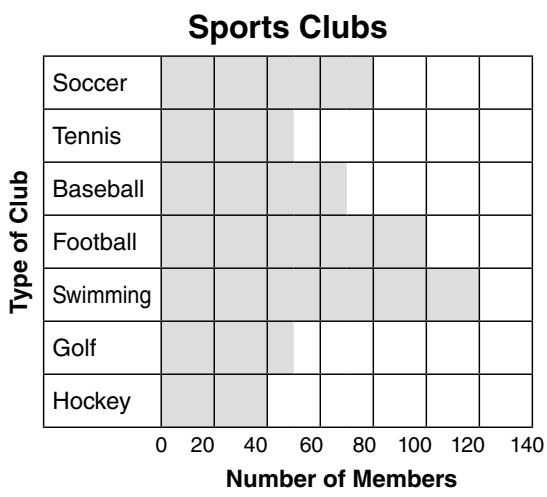
1. $15 + 13 + 25 =$ _____
2.
$$\begin{array}{r} 63 \\ \times 9 \\ \hline \end{array}$$
3. Is 642 evenly divisible by 2?

4. $100,000 + 50,000 + 8,000 + 200 + 40 + 9 =$

5. Write the mixed number for $\frac{15}{8}$.

6. $45 \div 3 + 15 \times 2 =$ _____
7. $\square \times 9 = 63$
8. 2 gallons = _____ pints
9. Calculate the diameter of a circle if the radius is 4 cm.

10. The golf club charges a yearly fee of \$5.00 per person. How much money will they collect from their members?



11. Is it *impossible*, *likely*, *certain*, or *unlikely* that you will eat a banana today?

12. Kyle's family wants to buy a new home. The home costs \$249,000. They have \$50,000. How much money will they have to borrow to buy the house?

- 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. $58 - 35 = \underline{\hspace{2cm}}$

2. (Y) (N)

2. Multiply 7 and 45.

3. (Y) (N)

4. (Y) (N)

3. $7 \overline{)176}$

5. (Y) (N)

4. What is the next even number after 28,301?

6. (Y) (N)

7. (Y) (N)

5. Write the improper fraction for $1\frac{6}{8}$.

8. (Y) (N)

9. (Y) (N)

6. $2 \times (10 \times 7) = \underline{\hspace{2cm}}$

10. (Y) (N)

7. $\square - 67 = 42$

11. (Y) (N)

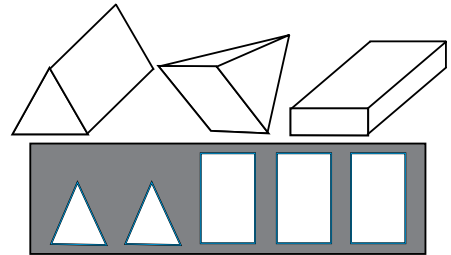
8. 2 hours = _____ minutes

12. (Y) (N)

___ / 12

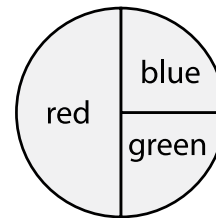
Total

9. Circle the solid that matches the set of faces.



10. True or false? A bar graph uses bars of different lengths to represent information.

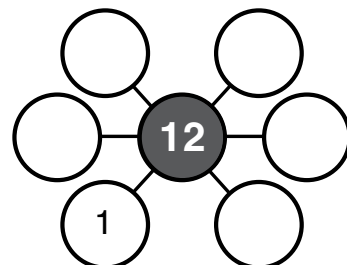
11.



If you spin this spinner twice, what is the probability that you will land on blue, then green?

12.

Factor wheels show all the factors of a number. Complete the factor wheel.



NAME: _____

DIRECTIONS

Solve each problem.

1.
$$\begin{array}{r} 63 \\ + 54 \\ \hline \end{array}$$

2. $83 \cdot 17 = \underline{\hspace{2cm}}$

3. $8 \overline{)432}$

4. What is the value of the digit 5 in the number 25,301?

5. $\frac{2}{3}$ of 45 is _____.

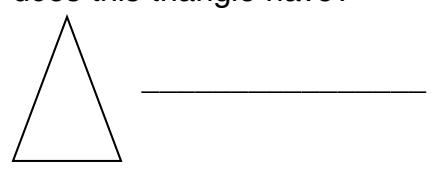
6. Write the number that comes next in the sequence.

450, 380, 310, _____

7. $200 \div 10 = 4 \times \square$

8. 6 feet = _____ yards

9. How many lines of symmetry does this triangle have?



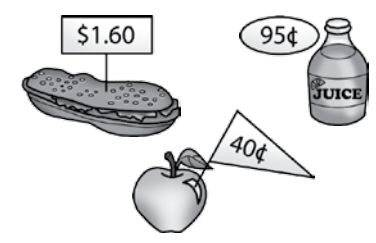
10. The chart below shows how many cups of lemonade Marcia sold each hour she had her lemonade stand set up.

1st Hour	2nd Hour	3rd Hour	4th Hour
6	5	11	15

Marcia charges 35 cents per cup of lemonade. She made a total of \$15.75 in 5 hours. How many cups of lemonade did she sell in the 5th hour?

11. The numbers 1 through 10 are written on individual cards and placed in a bag. If you reach into the bag and grab one card, what is the probability that it will be a number greater than 6?

12. Find the cost of the lunch order.



Breanna's lunch:
 1 sandwich _____
 2 apples _____
 1 juice _____
 TOTAL _____

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

ANSWER KEY *(cont.)*

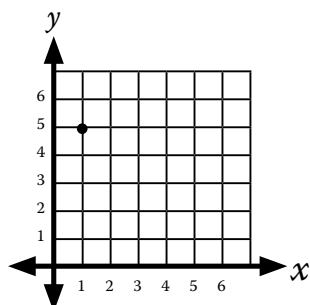
- 36
- 10
- 20
- 8
- 0 vertices
- 14 books
- $\frac{1}{2}$, 0.50, 50%, or 1 out of 2
- \$5.00

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

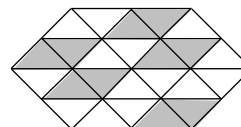
- $\frac{1}{8}$, 0.125, 12.5%, or 1 out of 8
- grape jam, butter; grape jam, honey; grape jam, peanut butter; butter, honey; butter, peanut butter; honey, peanut butter; or vice versa

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