



# Standards-Aligned Math Worksheets for Elementary Students by Kids Academy

[www.kidsacademy.mobi](http://www.kidsacademy.mobi)

Today we'll look at Kids Academy's standards-based math worksheets to discover more about the general skills they teach and standards they align with.

We understand how vital it is for families and teachers to have access to high-quality, relevant learning resources, no matter where in the country they reside. 10 years ago, when we started creating our innovative interactive worksheets, we decided to align them with Common Core State Standards\*. This was done to ensure that our materials would have universal relevance across the states and comprehensively cover all the crucial skills according to an officially approved standard system.

You can filter our math worksheets for grades K-3 by standard, grade-level and skill using the filter shown below.

The screenshot shows the Kids Academy website interface. On the left is a sidebar with filters for 'Activity' (English for Beginners, Math), 'Standards' (Common Core State Standards, English Language Arts, Math, Kindergarten, Grade 1, Operations and Algebraic Thinking, Number and Operations in Base Ten, Measurement and Data, Geometry, Grade 2), and a '1 Month FREE' badge. The top navigation includes 'Help Center', 'Educators', and 'Learning Resources'. The main content area displays a grid of 12 math worksheets:

- Counting Backwards Treasure Hunt**: Help the pirate get to the treasure chest. Trace his path by counting backwards from 20 to 10.
- 2-Dimensional Shapes: Vertices**: A vertex (plural: vertices) is a point where two or more straight lines meet. It is a corner. Circle the number of vertices each shape below has.
 

Rectangle	4	0	1
Triangle	2	5	3
- BIRTHDAY 3D SHAPES**: Help John find the 3D shapes that match his birthday presents. Draw a line from each present to the 3D shape that matches.
 

	SPHERE
	CYLINDER
- 5 U.S. REGIONS**: Draw a line to the region where each state is located.
 

WEST	MIDWEST	NORTHEAST
SOUTHWEST	SOUTHEAST	
- Counting**
- Two-**
- Birthday 3D**
- 5 U.S. Regions**
- Comparing Numbers: Less Than**: Check off the numbers that are less than 88.
- Rocket Math**: Let's add and subtract by ten. Check the rockets with correct equations.
 

$25+10=35$	$36-10=26$
$13+10=23$	
- Counting with Drawings**: Does it Make Sound? Read the word problem. Check the picture that matches the problem. Then circle the answer to the problem. There are 5 objects that make sound and 4 objects that don't make sound. How many objects are there in all?
- Missing 12**: Which of the equations have 12 as the missing number? Trace on the dotted lines to the correct answer.
 

$12+2=14$	$12+2=24$	$4+2=14$
$12-6=5$		
- Sides and Angles**: A **side** is a straight line used to form a shape. An **angle** is formed when two sides meet. Check the birds that are holding shapes by their angles.
- Make Tens and Add**: Solve the addition problems. First add the colorful numbers to make a ten. Then add the other number. Check the correct total.
 

$5+5+2=$	$4+3+6=$
$7+12=$	$11+12=$
$9+5+1=$	$12+13=$
- Counting Tens and Ones, Part 1**: Count long and cubes in each number sentence. How many tens and ones are there in total? Check the correct answer.
 

3 tens and 7 ones	4 tens and 7 ones	7 tens and 3 ones
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- Air Balloon Math**: Let's add and subtract by ten. Check only the air balloons with correct equations.
 

$17-10=7$	$3+10=13$	$18-10=8$
$10+10=20$	$3+10=13$	

## \* What Are Common Core Standards and Why Are They Still Relevant?

In 2009, 48 states came together to form what was known as the Common Core State Standards Initiative, in which state commissioners, governors, and expert educators developed a set of educational standards they deemed essential for children to learn. This multi-state effort led to the Common Core State Standards (CCSS) in 2010 and were initially adopted by most states across the country.

Fifteen years later, a great majority of states still use the original CCSS, while others have modified them to meet the specific needs of local students. Nevertheless, the Common Core standards remain as a blueprint from which the others were created, making the skills they encompass relevant to all children.

# Interactive Math Worksheets for Grades K-3

State standards for math across the country closely resemble those of the CCSS. For each grade level, they focus on a few specific guiding principles, especially operational and algebraic thinking, place value, measurement and data analysis, and geometry.

## Kindergarten: Counting, problem-solving, and shape recognition

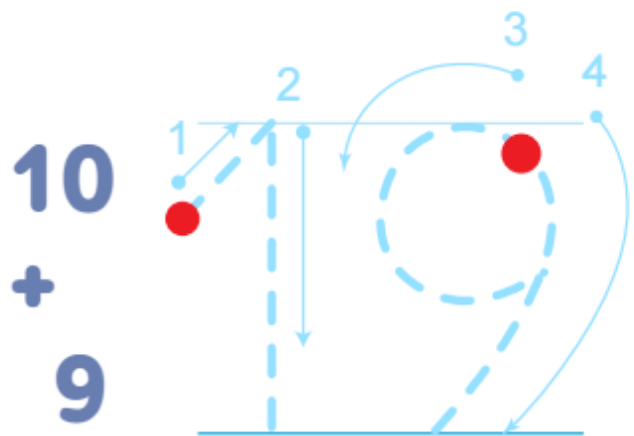
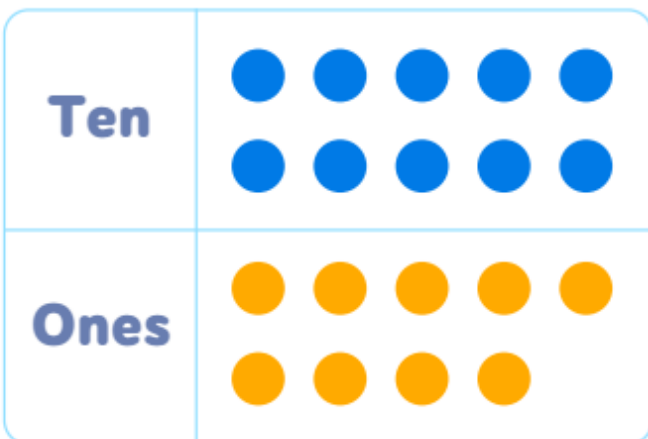
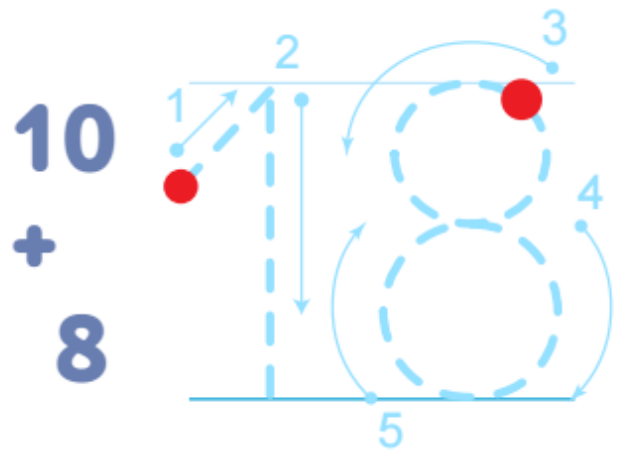
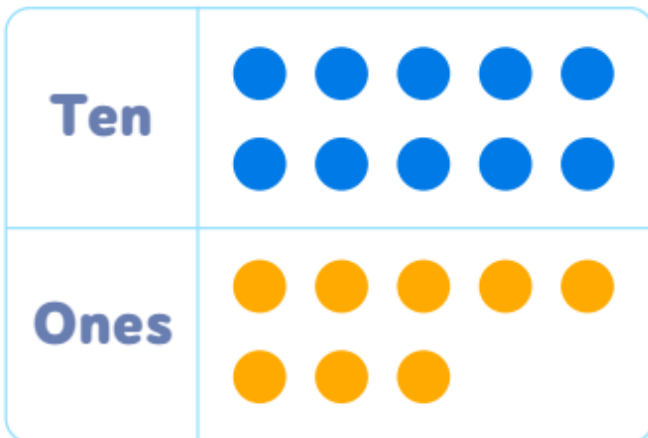
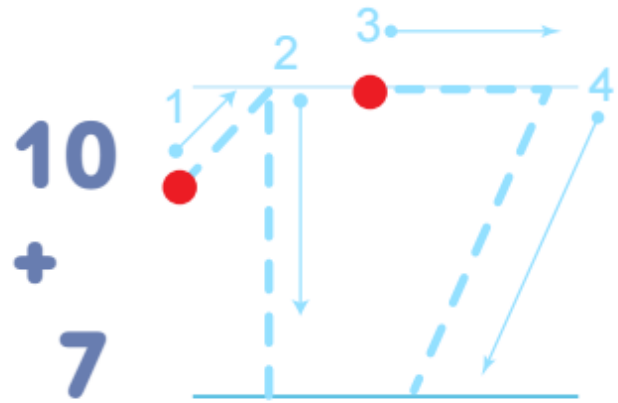
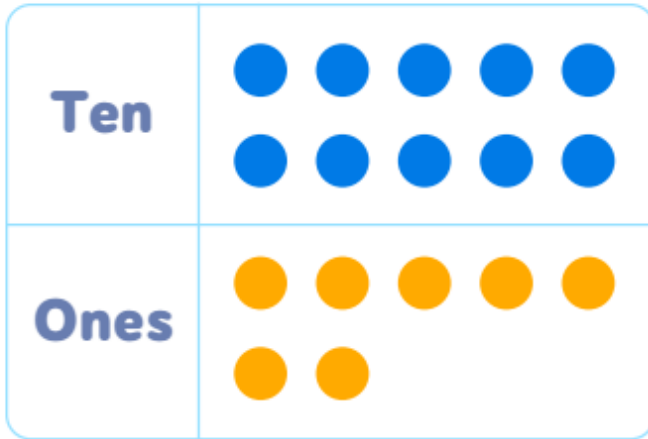
Kindergarten math standards focus on the basics to help children form a healthy number sense. This includes learning to recognize, write, and count, as well as solving simple problems, and exploring shapes. In the worksheets shown, learners do all the above, as well as utilize problem-solving skills to find 5 items from the penguin party activity.

[Click on the interactive worksheet to open it.](#)

# Counting in Charts.

## Numbers 17, 18, 19

Count the dots in the rows and trace the numbers!



# Let's Practice Counting

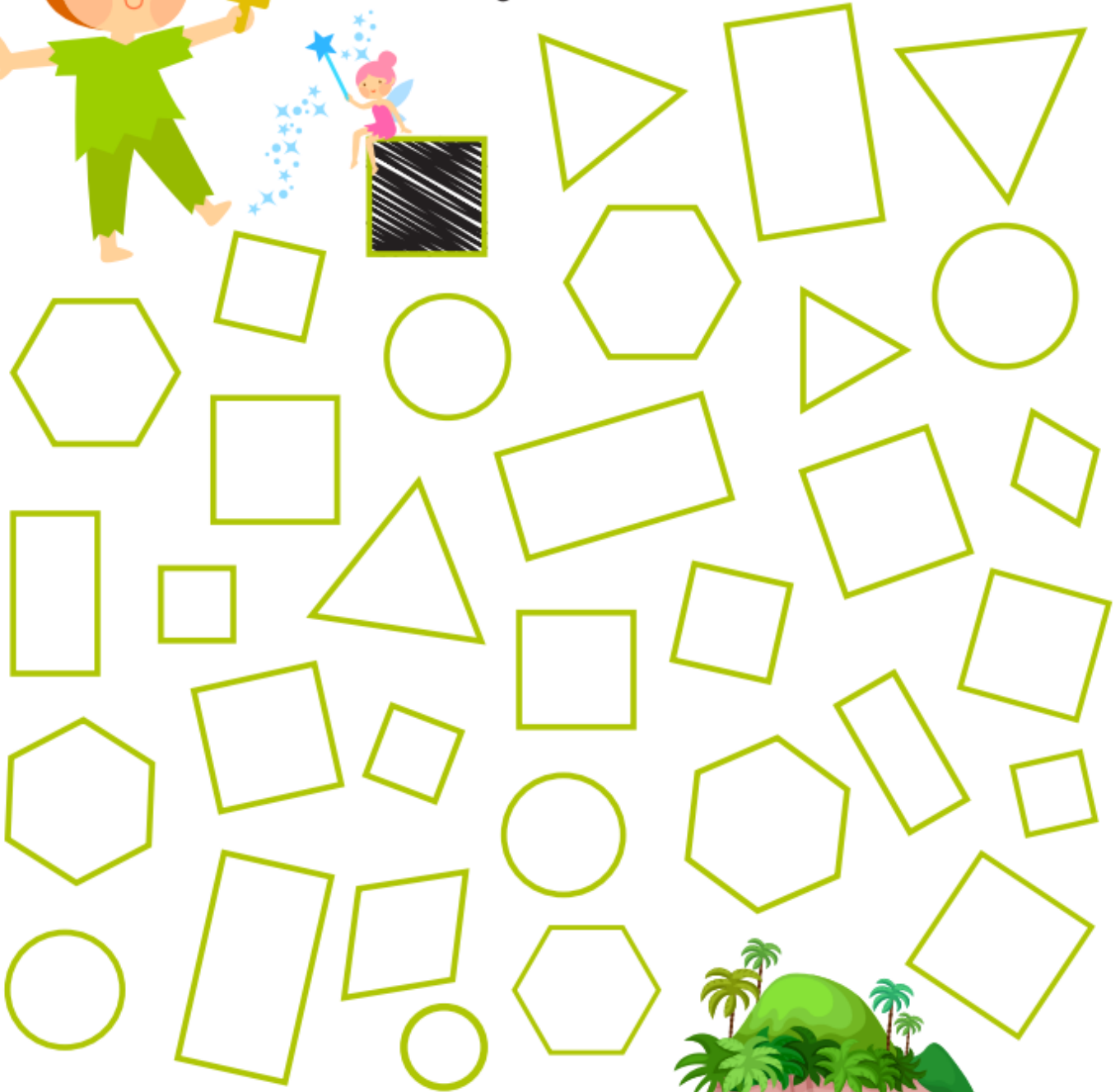
Circle the image that you can see 5 of in the picture below.



# Peter Pan Geometry Maze



Peter Pan is thinking happy thoughts to help him fly back to Neverland. Help him fly a path to Neverland by finding all the **squares** and coloring them in.



# 1st Grade: Addition, subtraction, number sense, measurement, and geometry

1st grade standards require students to take a leap from understanding numbers and counting to adding and subtracting in a way that develops algebraic thinking. In the first worksheet pictured above, kids practice adding different number sets to discover that multiple problems can result in the same sum. Children also begin to study measurement and increase their knowledge and vocabulary related to shapes.

[Click on the interactive worksheet to open it.](#)



# Friendly Numbers



Add the friendly numbers first.

Check the new number sentence that shows the friendly numbers have been added.

Then, check the sum.



**3 + 7 + 2**

<input type="checkbox"/>	<b>10+2</b>
<input type="checkbox"/>	<b>5+10</b>
<input type="checkbox"/>	<b>7+3</b>

- 11**
- 12**
- 13**

**6 + 8 + 4**

<input type="checkbox"/>	<b>12+8</b>
<input type="checkbox"/>	<b>10+8</b>
<input type="checkbox"/>	<b>6+10</b>

- 14**
- 16**
- 18**

**5 + 8 + 2**



<input type="checkbox"/>	<b>8+8</b>
<input type="checkbox"/>	<b>5+9</b>
<input type="checkbox"/>	<b>10+5</b>

- 15**
- 16**
- 17**

**9 + 4 + 1**



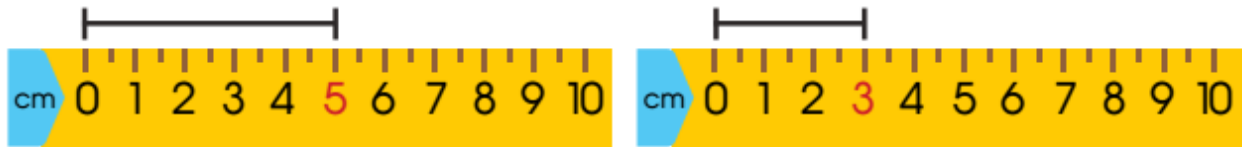
<input type="checkbox"/>	<b>11+4</b>
<input type="checkbox"/>	<b>10+4</b>
<input type="checkbox"/>	<b>3+9</b>

- 12**
- 14**
- 16**

# Compare Length in Centimeters

To figure out the difference in length between two objects,

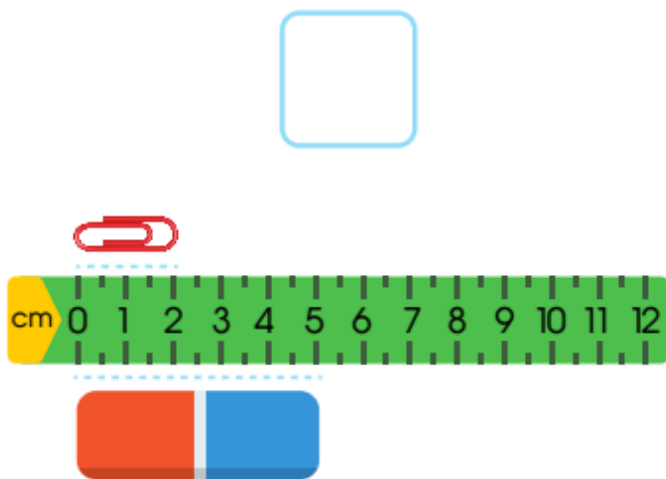
1. measure both objects in the same unit of measurement.



2. subtract the length of the shorter object from the length of the longer one.

$$5 - 3 = 2$$

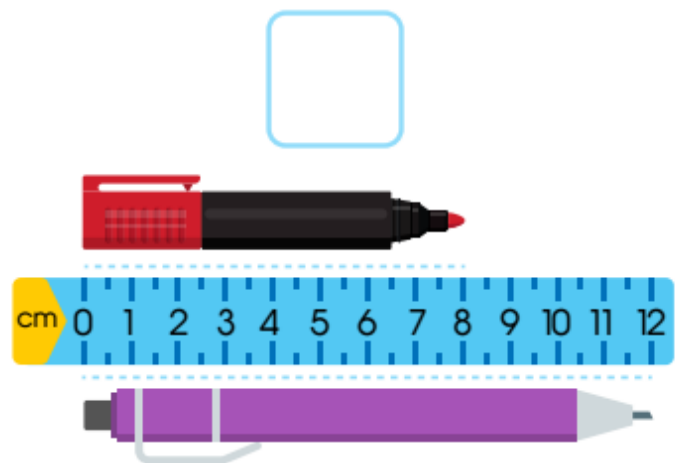
In each pair of objects check the longer object. Then circle the correct difference in length between the two objects.



**3**  
cm

**7**  
cm

**2**  
cm



**21**  
cm

**4**  
cm

**9**  
cm



## 2-Dimensional Shapes: Vertices



A **vertex** (plural: vertices) is a point where two or more straight lines meet. It is a corner.

Circle the number of vertices each shape below has.



Rectangle

4

0

1



Triangle

2

5

3



Oval

2

0

1



Hexagon

3

5

6



Rhombus

4

6

0

## 2nd Grade: Place value, addition and subtraction fluency, measurement, and geometric analysis

At this point, it may seem like the skills are being repeated year after year, and that is because they are—but with increased complexity and sophistication! In the worksheets shown above, learners work on mastering place value, practicing addition without regrouping, and analyzing 3D shapes. These are just a few examples of many skills they practice in the 2nd grade.

[Click on the interactive worksheet to open it.](#)

# Transportation Math: Place Value

Which number comes after the number shown on the plane?  
Circle the correct answer.



8 tens 9 ones

89

90

99

---



5 tens 6 ones

55

50

57

---



7 tens 2 ones

73

72

77

---



4 tens 7 ones

46

50

48

---



6 tens 4 ones

64

65

62

---



# Springtime Garden Math: Add Ones or Tens

Add the numbers. Circle the correct total.

$$\begin{array}{r} 61 \\ + 20 \\ \hline \end{array}$$



$$\begin{array}{r} 45 \\ + 2 \\ \hline \end{array}$$



$$\begin{array}{r} 32 \\ + 6 \\ \hline \end{array}$$



$$\begin{array}{r} 20 \\ + 23 \\ \hline \end{array}$$



$$\begin{array}{r} 34 \\ + 4 \\ \hline \end{array}$$



# Connecting 3D Shapes with their 2D Faces

Read the clues in the middle. Trace on the dotted line to connect to the correct shape.

This shape can be found as one of the faces of a pyramid.



This is the shape of an Egyptian pyramid.



The blocks that were used to build the pyramid were this shape.



One face of the block was this shape.



This ancient wheel helped transport materials.



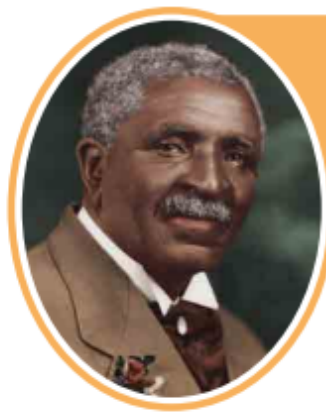
The face of the wheel has this shape.



## 3rd Grade: Multiplication, division, fractions, and shape analysis

3rd graders begin learning the concept behind multiplication using arrays, as shown in the worksheet above. They also progress to division and increase their algebraic thinking when working with fractions. Learners begin analyzing shapes for their measurements in geometry to lay the foundations for learning area and perimeter.

[Click on the interactive worksheet to open it.](#)



# Arrays of George Washington Carver's Creations



Look at some of George Washington Carver's creations which are organized into arrays. Match each array to the correct multiplication fact by checking the matching fact. Then, circle the product.



paint from clay

9

18

1x10

2x9

9x1

10

peanut glue

18

21

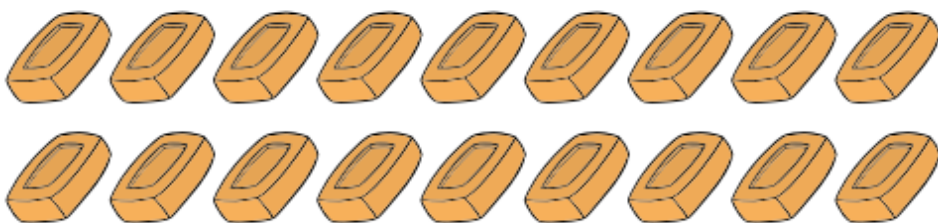


22

7x7x 7

3x6

7x3



peanut soap

18

16

2x9

2x8

2x10

20

# Make it Equal

Use the fraction models  
to complete the statements below.  
Check the correct numerator.

$$\frac{1}{3} = \frac{?}{6}$$



1  2  3  4

$$\frac{1}{5} = \frac{?}{10}$$



2  3  5  7

$$\frac{4}{8} = \frac{?}{16}$$



4  6  8  10

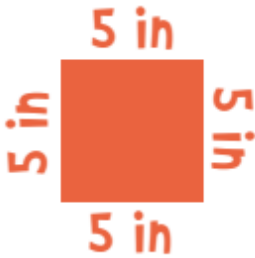




# Identify Quadrilaterals



Look at the shapes on the left. In each row, check the correct type of quadrilateral.



Rectangle

Rhombus

Square



Rectangle

Rhombus

Square



Rectangle

Rhombus

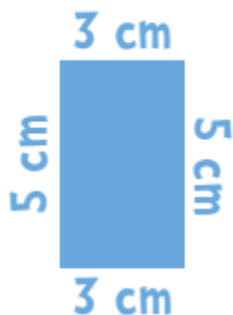
Square



Rectangle

Rhombus

Square



Rectangle

Rhombus

Square

# What Is Special About Kids Academy's Worksheets?

1. All our worksheets were created by expert educators and align with the principles contained within the CCSS.
2. Most of the printable worksheets are also interactive, which means that kids can complete them online and receive instant, auto-scored feedback.
3. All the interactive worksheets come with voice-over which makes them accessible for struggling readers.
4. All the math worksheets can be easily assigned to students through our [Online Classroom platform](#)—a digital space where teachers and parents can assign worksheets alongside other activities, like videos and games.
5. All of the above worksheets and thousands more are also a part of the self-paced [Talented and Gifted web-app](#), so children and families have multiple options for accessing the learning materials they need.

To find the worksheets above and many more, check out the [standard-aligned math worksheets](#) section of our site!

