

# 🌟 Shape Adventure Challenge 🌟

Name: \_\_\_\_\_ Date: \_\_\_\_\_

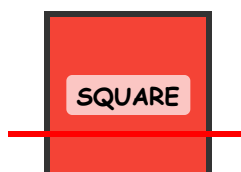
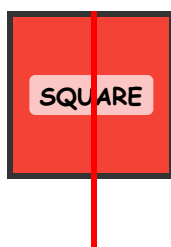
## Mirror Shapes

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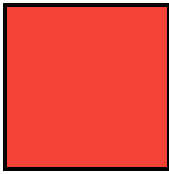
Challenge Level: ★★

A line of symmetry is like drawing a mirror line through a shape.

Both sides of the shape look exactly the same!

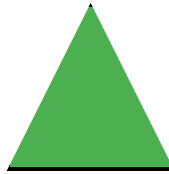


**Mirror Magic:** Circle how many lines of symmetry each shape has:



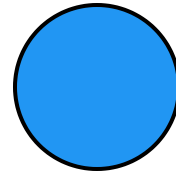
Square

☐ 1 ☐ 2 ☐ 4



Triangle

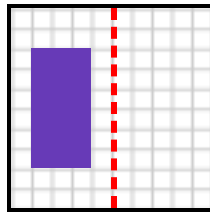
☐ 1 ☐ 3 ☐ 0



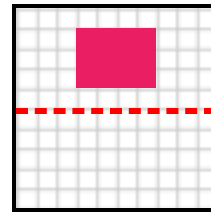
Circle

☐ 1 ☐ Many ☐ 0

**Complete the Picture:** Draw the missing half of each shape:



Draw the right side



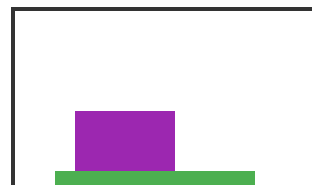
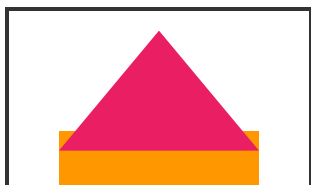
Draw the bottom half

## Shape Hunt

**Challenge Level:** ★★

Shapes can be found all around us and can hide inside other shapes!

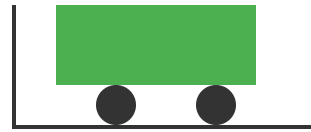
Let's find all the shapes hiding in these pictures.





Circle all the shapes you can find:

- ☐ Square ☐ Triangle  
☐ Rectangle ☐ Circle



Circle all the shapes you can find:

- ☐ Square ☐ Rectangle  
☐ Circle ☐ Triangle

## Shape Patterns

Challenge Level: ★★

Patterns are sequences of shapes that repeat in a special way.

Can you find the pattern and figure out what comes next?



What shape comes next?

- ☐ Square ☐ Triangle ☐ Circle



What shape comes next?

- ☐ Square ☐ Triangle ☐ Circle

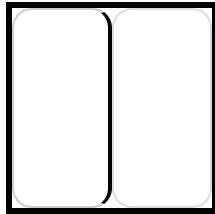
## Equal Parts

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Challenge Level: ★★★

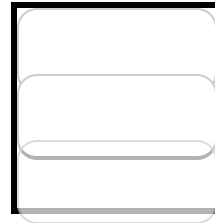
Shapes can be divided into equal parts!

Let's explore how shapes can be split into halves, thirds, and fourths.



What part is colored?

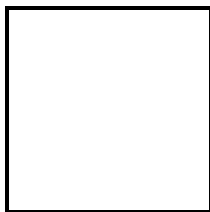
- ☐ Half ( $1/2$ )  
☐ Third ( $1/3$ ) ☐ Fourth ( $1/4$ )



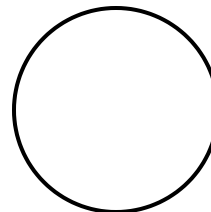
What part is colored?

- ☐ Half ( $1/2$ )  
☐ Third ( $1/3$ ) ☐ Fourth ( $1/4$ )

**Color Challenge:** Color half of each shape:



Square



Circle

## Shape Builder

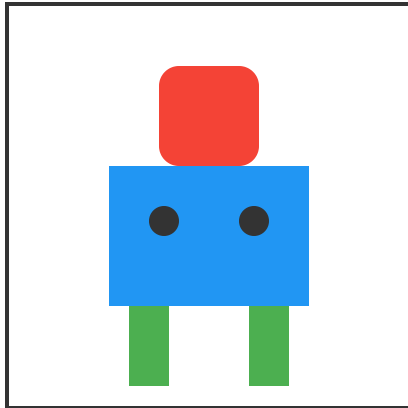
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Challenge Level: ★★★

We can combine simple shapes to make more complex shapes!

Let's use our imagination to create fun pictures using basic shapes.

Circle the shapes used to make this robot:



- ☐ Square
- ☐ Rectangle
- ☐ Circle
- ☐ Triangle

**Draw Challenge:** Use shapes to create your own funny face in the box below:

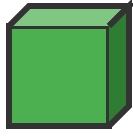


## 3D Shape Explorer

Challenge Level: ★★★

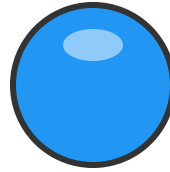
3D shapes have special properties that make them different from flat shapes!

Let's learn more about cubes, spheres, cylinders and more!



How many faces does a cube have?

- ☐ 4 faces
- ☐ 6 faces
- ☐ 8 faces



Which object is shaped like a sphere?

- ☐ Ball
- ☐ Book
- ☐ Box

**Match Challenge:** Draw a line connecting each 3D shape to an object with that shape:



Cube

Can of soup



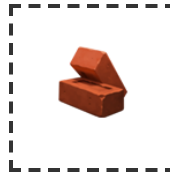
Cylinder

Soccer ball



Sphere

Toy block



**Congratulations on completing the Shape Adventure Challenge!**

You've learned about symmetry, patterns, and how to use shapes in many different ways!

Teacher's Signature: \_\_\_\_\_



# Shape Adventure Challenge - Answer Key

## Mirror Shapes Answers

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- Square: **4** lines of symmetry
- Triangle: **1** line of symmetry (for a standard triangle as shown)
- Circle: **Many** lines of symmetry

## Shape Hunt Answers

- First picture (house): Rectangle, Triangle, Square (the door)
- Second picture (train): Rectangle (2), Circle (2)

## Pattern Answers

- First pattern: Triangle, Circle, Square, Triangle, Circle, **Square**
- Second pattern: Square, Square, Circle, Square, Square, **Circle**

## Equal Parts Answers

- First shape: **Half** ( $1/2$ )
- Second shape: **Third** ( $1/3$ )

## Shape Builder Answers

- Robot is made of: Square (head), Rectangle (body), Rectangle (legs), Circle (eyes)

## 3D Shape Explorer Answers

- Cube has **6** faces
- A **Ball** is shaped like a sphere

- Match: Cube - Toy block, Cylinder - Can of soup, Sphere - Soccer ball