

Robot Tools

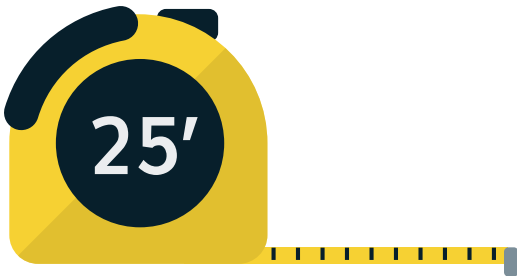
Robots in Kindergarten through 2nd Grade

RobotTM

Education

A **tool** is an object that helps you do something.

What tools do you use when building a robot?



measuring tape



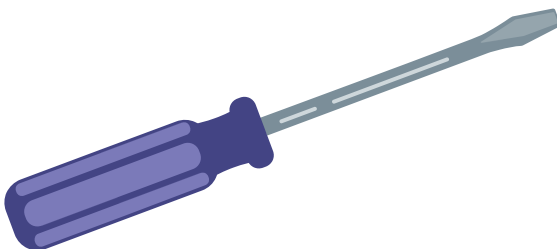
safety gloves



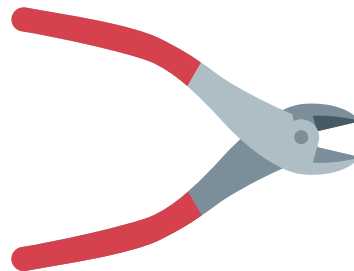
safety goggles



drill

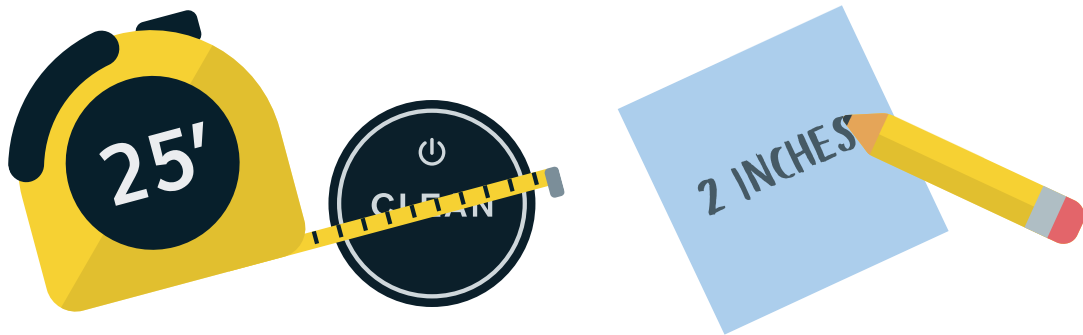


screwdriver

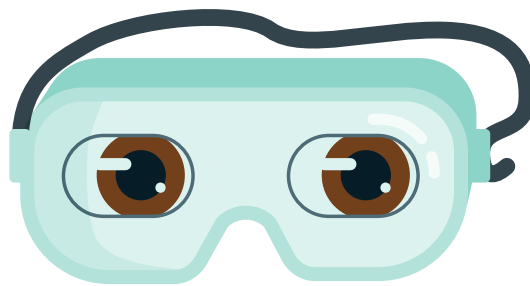


wire cutters

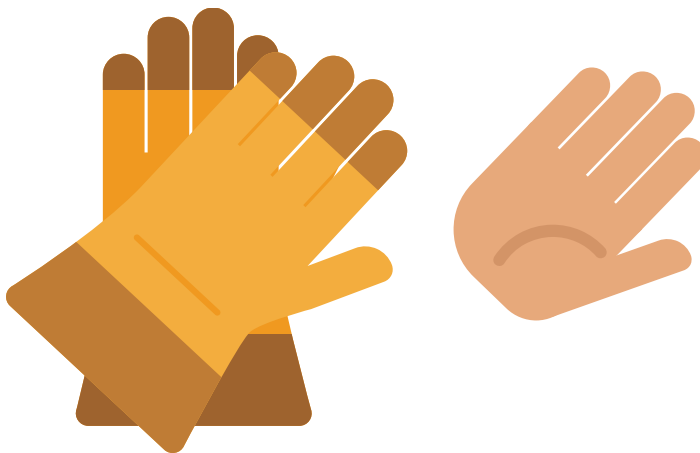
A **measuring tape** measures the size of the robot parts.
After measuring, you should write down the measurement so you don't forget it!



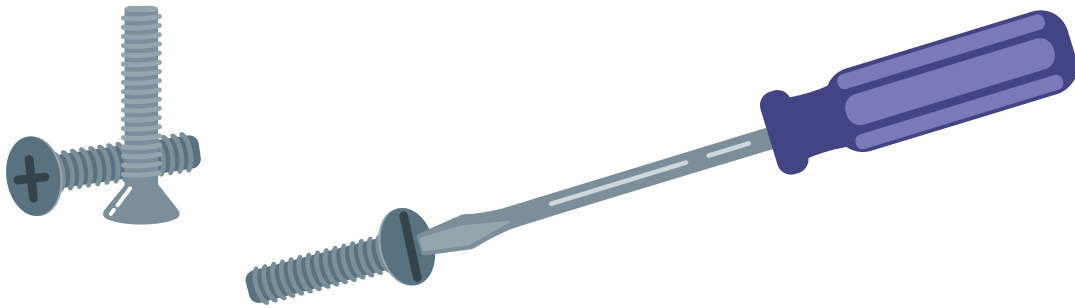
Safety goggles protect your eyes while you build a robot.



Safety gloves protect your hands while you build a robot.



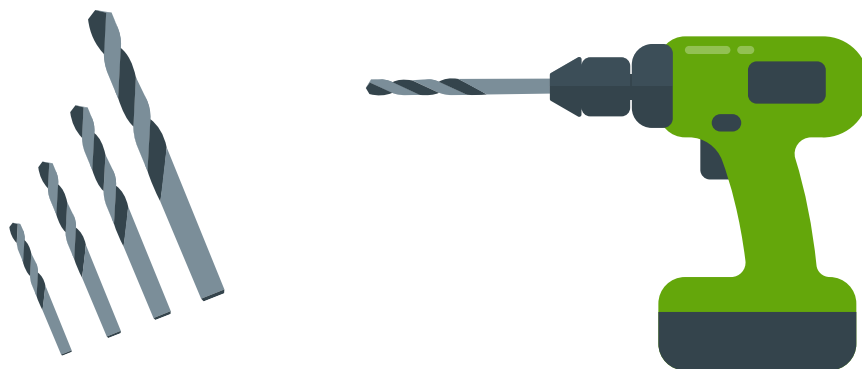
A **screwdriver** turns the screws that hold the robot together.



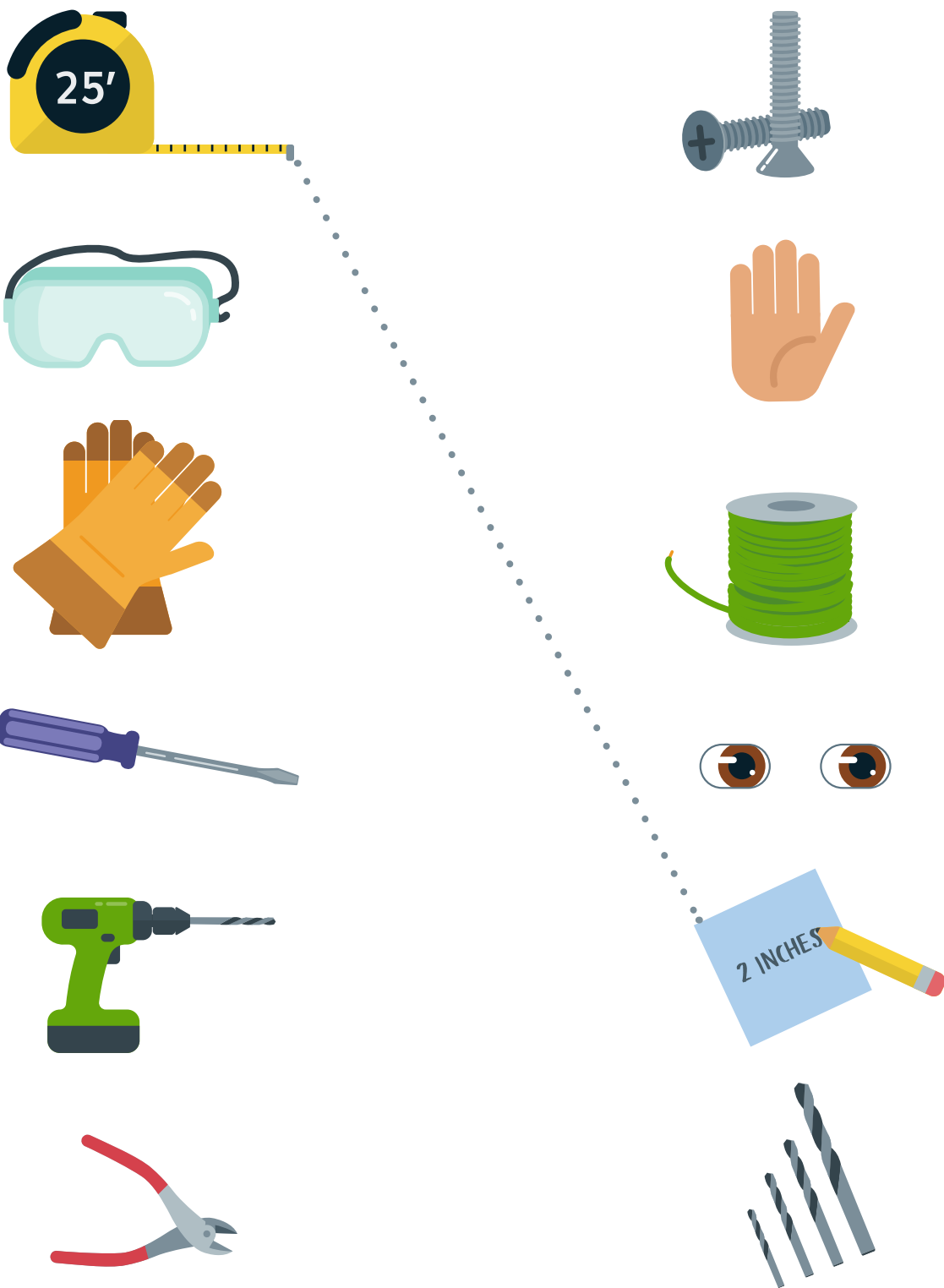
Wire cutters cut the electrical wires to be the right length.



A **drill** uses drill bits to make different size holes.



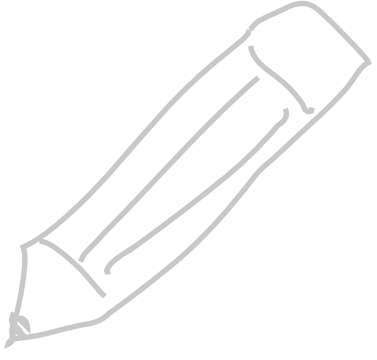
What pairs with each tool? Draw a line connecting them.



Tool Scavenger Hunt:

Have a grown-up help you **find 4 tools** in your home or classroom, then draw them and write what they help you do.

They don't need to be robot-building tools: There are many tools in the classroom to help you learn, or in the kitchen to help you cook!

Name of tool: <i>Pencil</i>	Draw it here! 
What does it help with? <i>It helps to write.</i>	

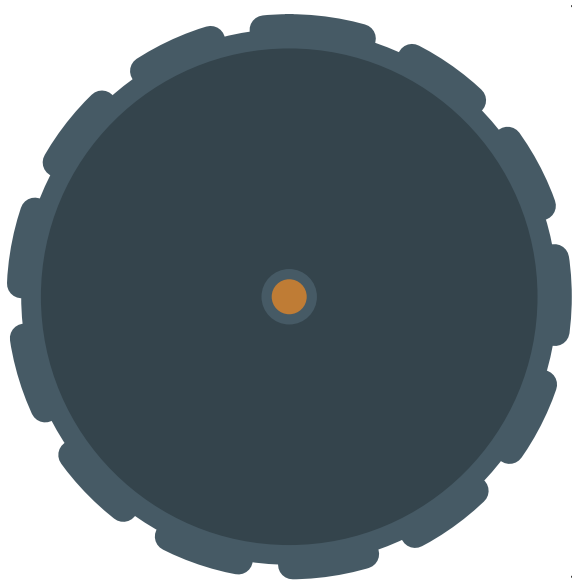
Name of tool:	Draw it here!
What does it help with?	

Name of tool:	Draw it here!
What does it help with?	

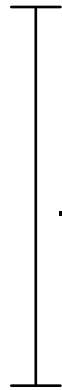
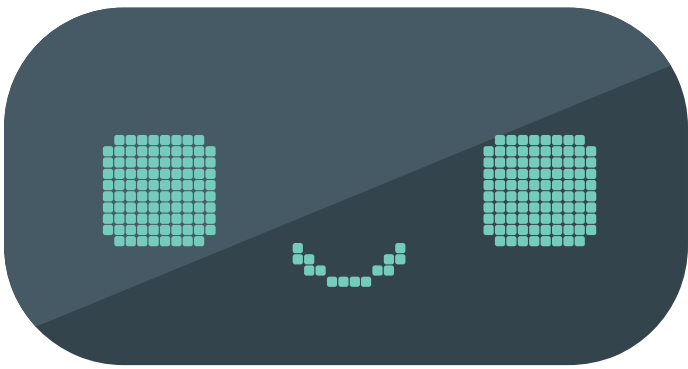
Name of tool:	Draw it here!
What does it help with?	

Name of tool:	Draw it here!
What does it help with?	

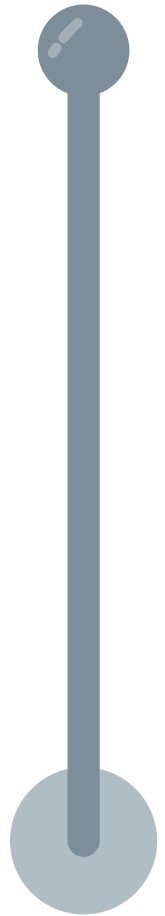
Have a grown-up help you cut out the ruler at the bottom of this page. Use it to measure the robot parts. About how many inches tall is each part?



____ Inches



____ Inches



After you measure: Which object is the tallest? Circle it!



1

2

3

4

5

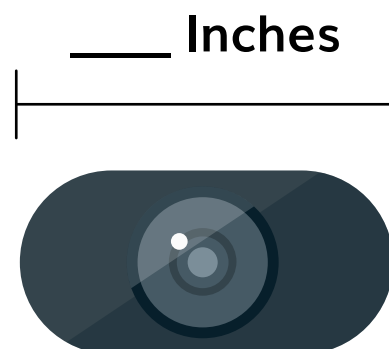
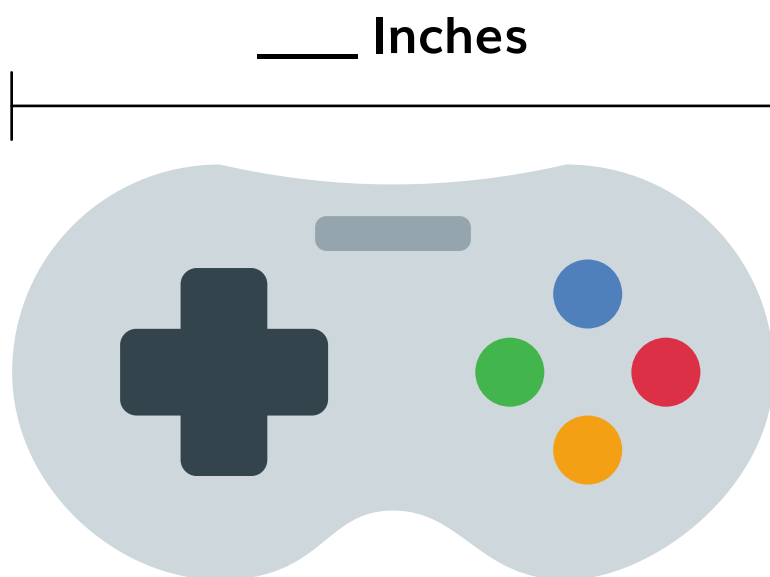
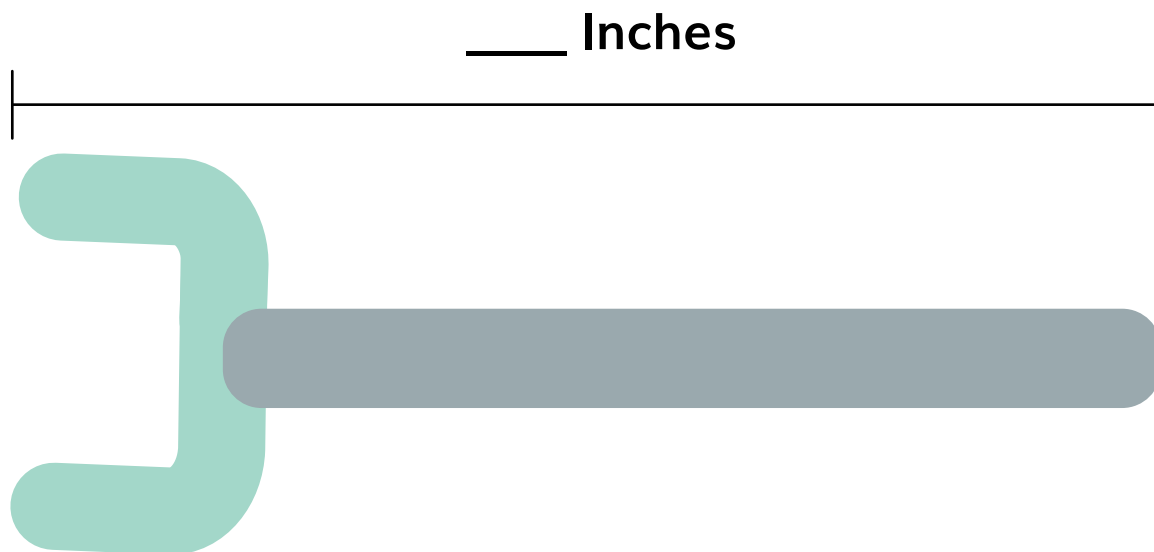
6

7

8

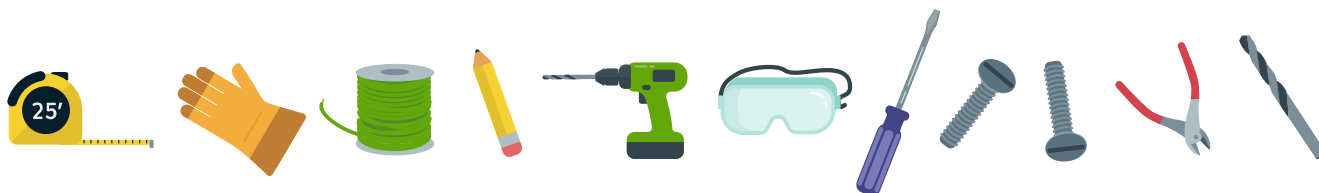
Let's measure some more!

How many inches wide is each robot part?

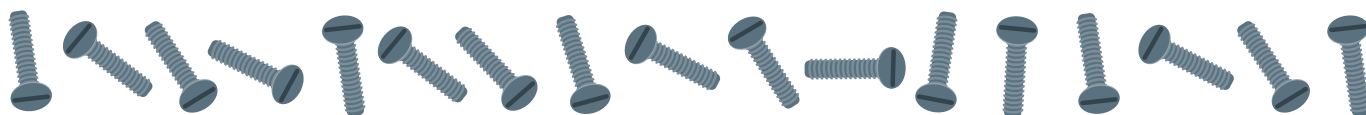


After you measure: Which object is the widest? Circle it!

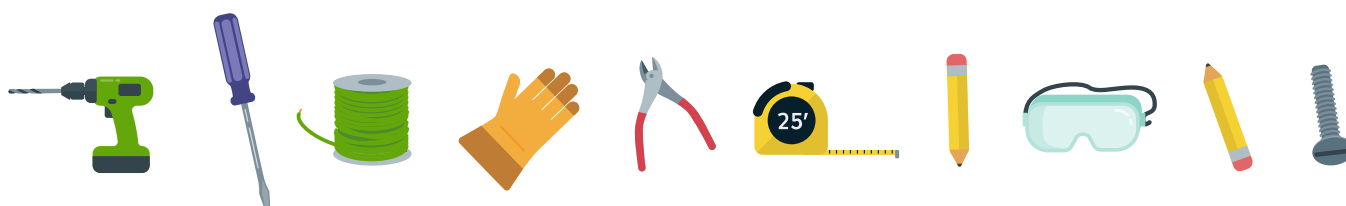
Count how many objects you see in each row, then write down the number in the box.



Number of
objects:



Number of
objects:

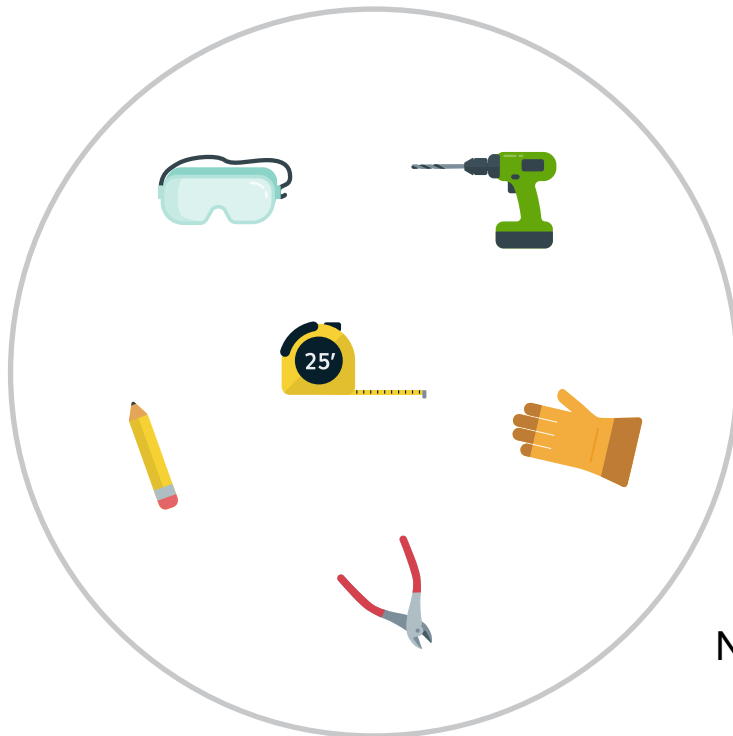


Number of
objects:

Count how many objects you see in each circle, then write down the number in the box.



Number of
objects:



Number of
objects:

Count how many objects you see in each circle, then write down the number in the box.

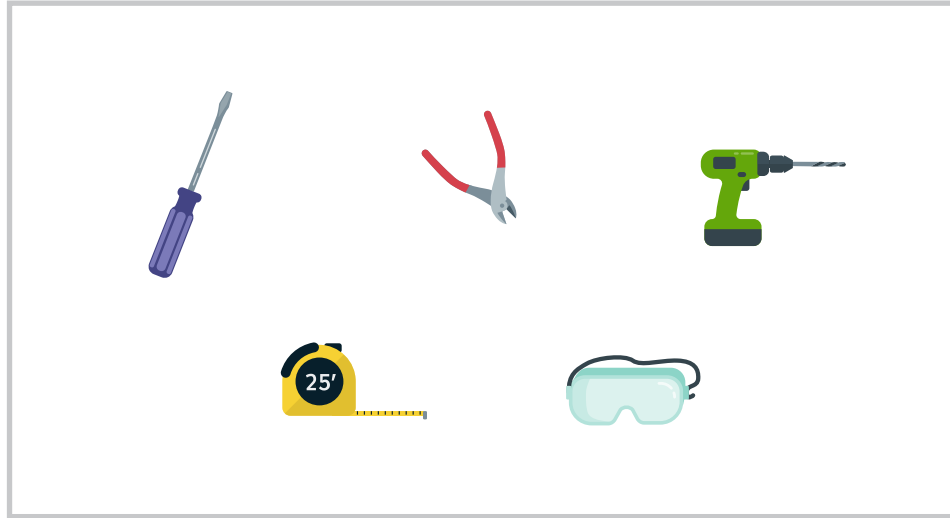


Number of
objects:

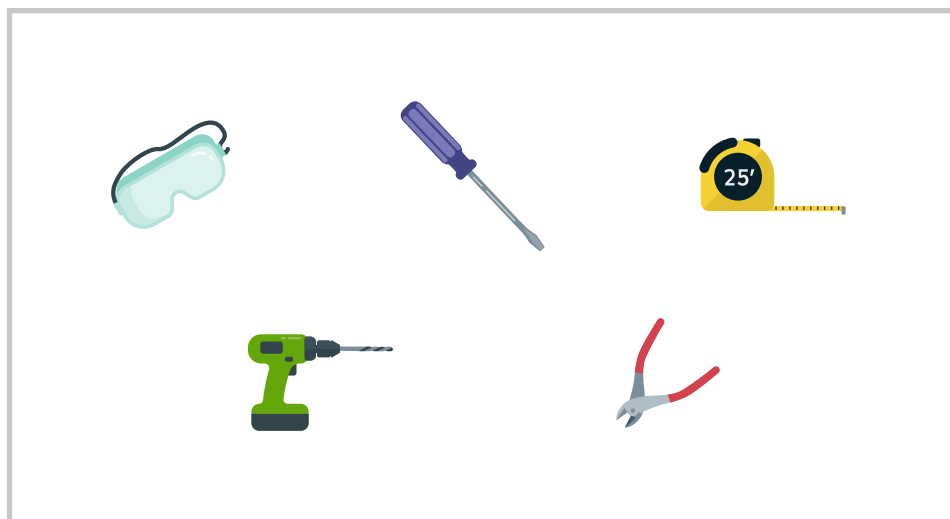


Number of
objects:

Count how many objects you see in each rectangle, then write down the number in the box.

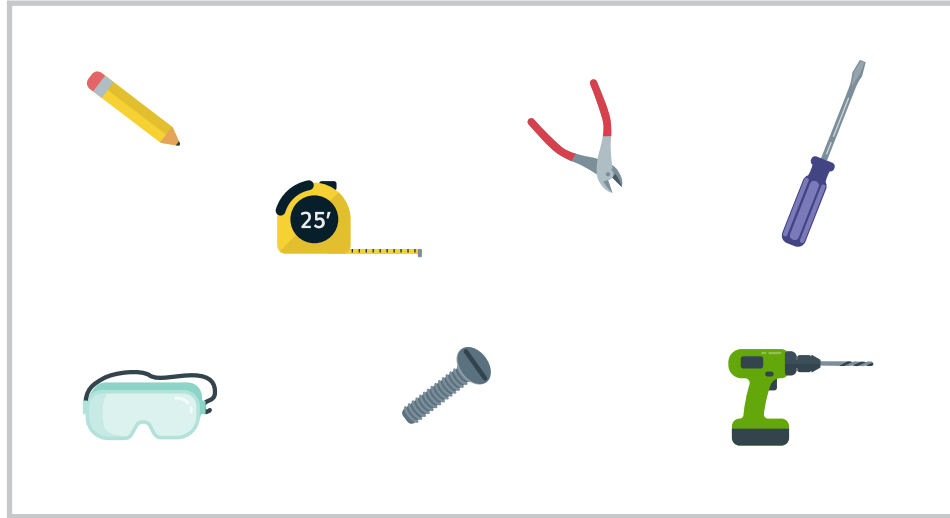


Number of
objects:



Number of
objects:

Count how many objects you see in each rectangle, then write down the number in the box.

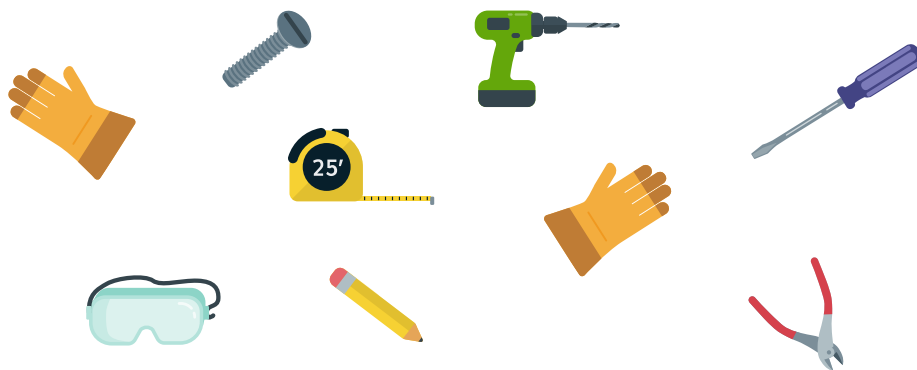


Number of
objects:

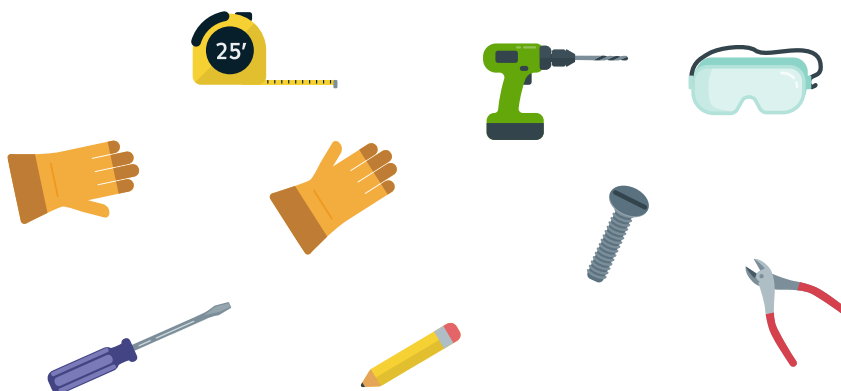


Number of
objects:

Count how many objects you see in each group, then write down the number in the box.

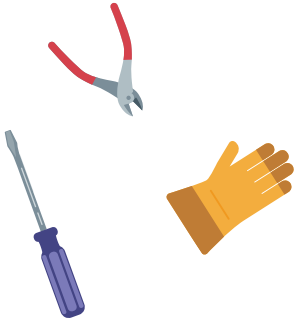


Number of
objects:



Number of
objects:

Circle the group with more objects.



Circle the group with more objects.



Circle the group with less objects.



Circle the group with less objects.



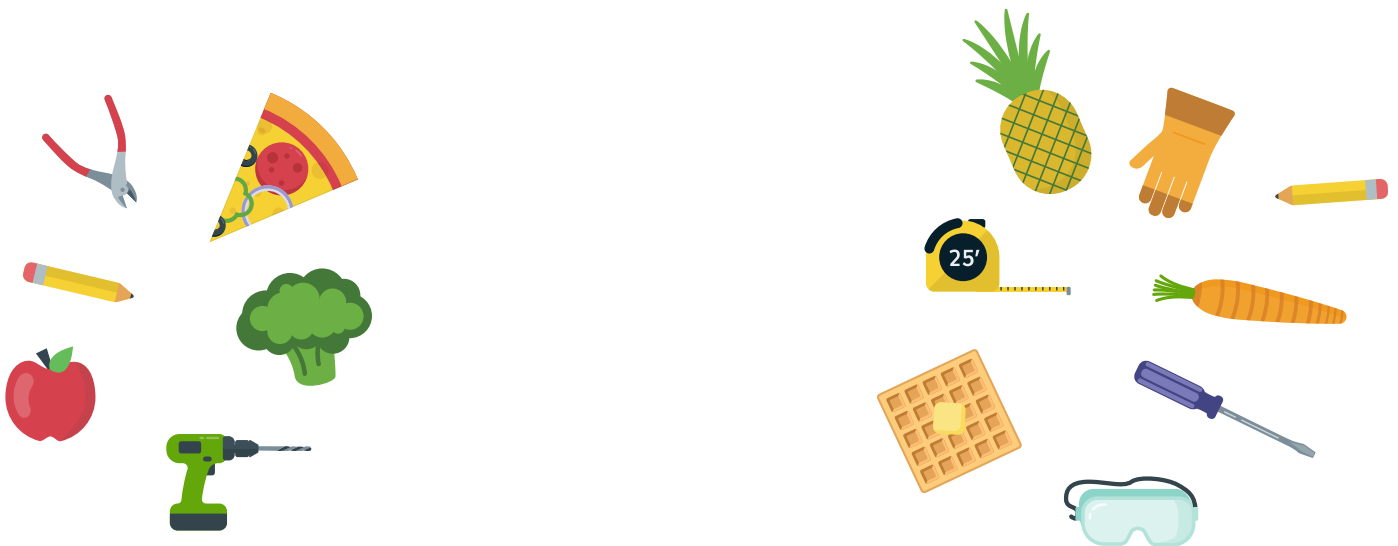
These objects are tools.



These objects are foods.



Circle the group with more tools.



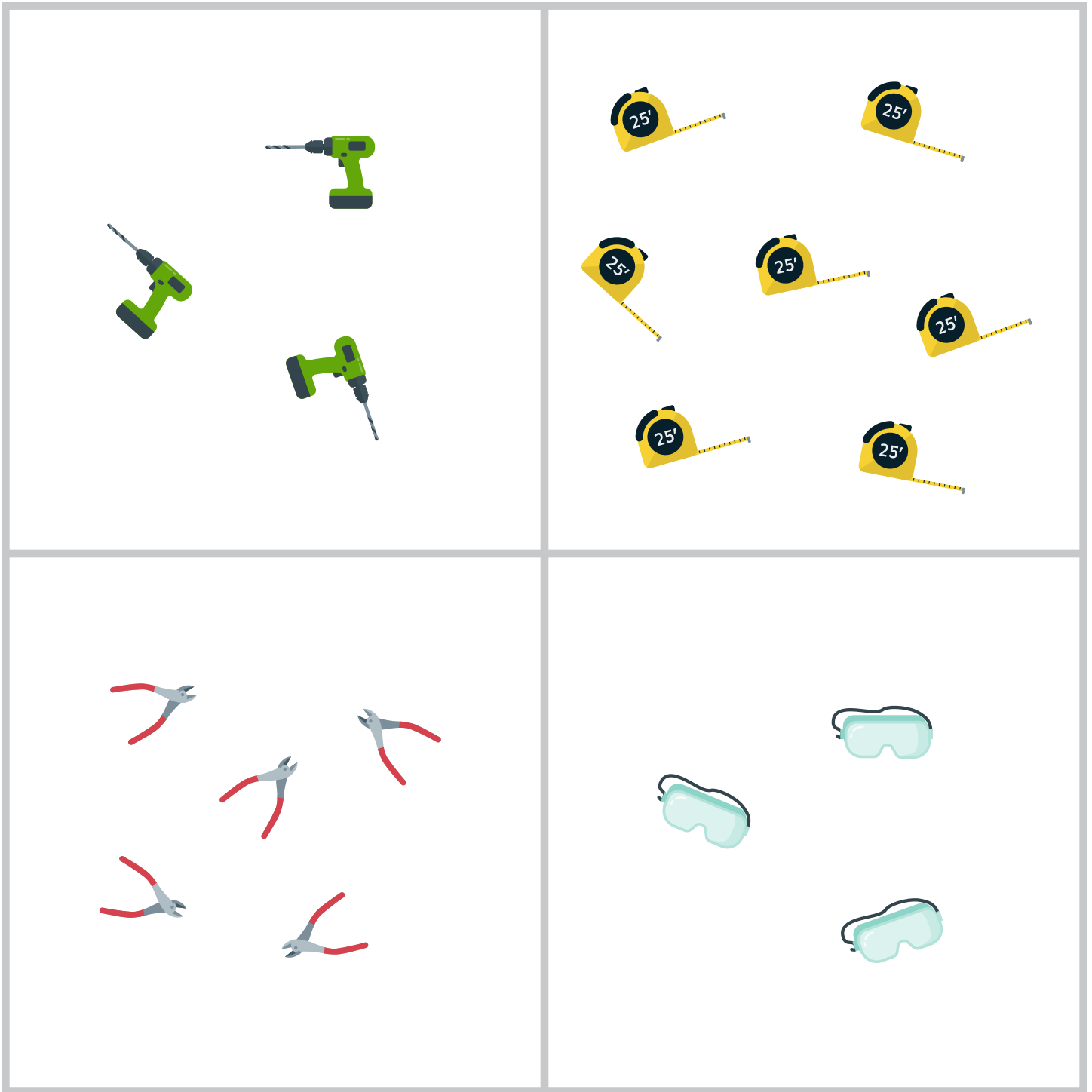
Circle the group with less tools.



Circle the group with less tools.



Circle the two squares with the equal number of objects.



Circle the two squares with the equal number of objects.

