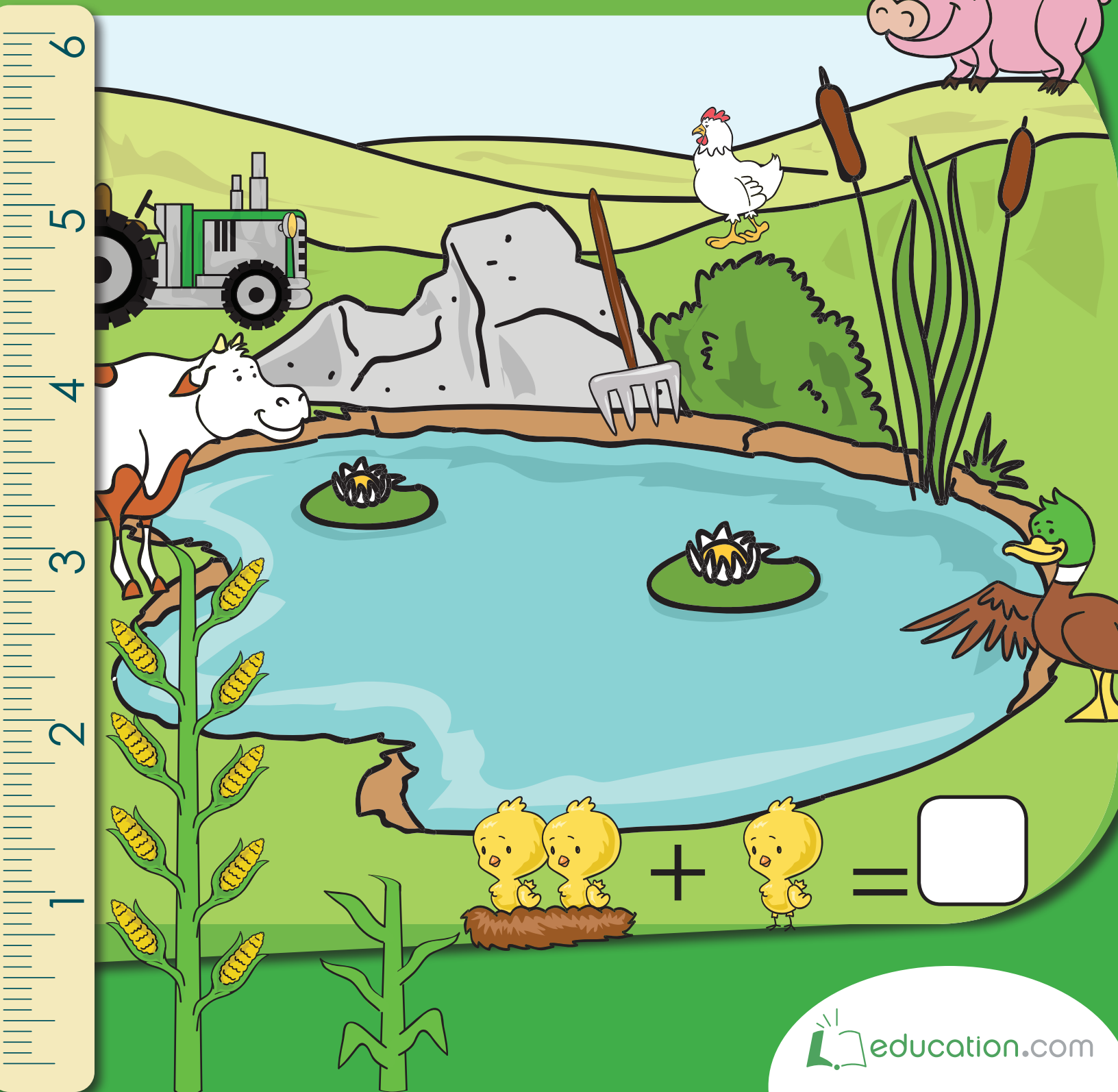


# Living and Non-Living Things: MATH ON THE FARM

K  
Kindergarten



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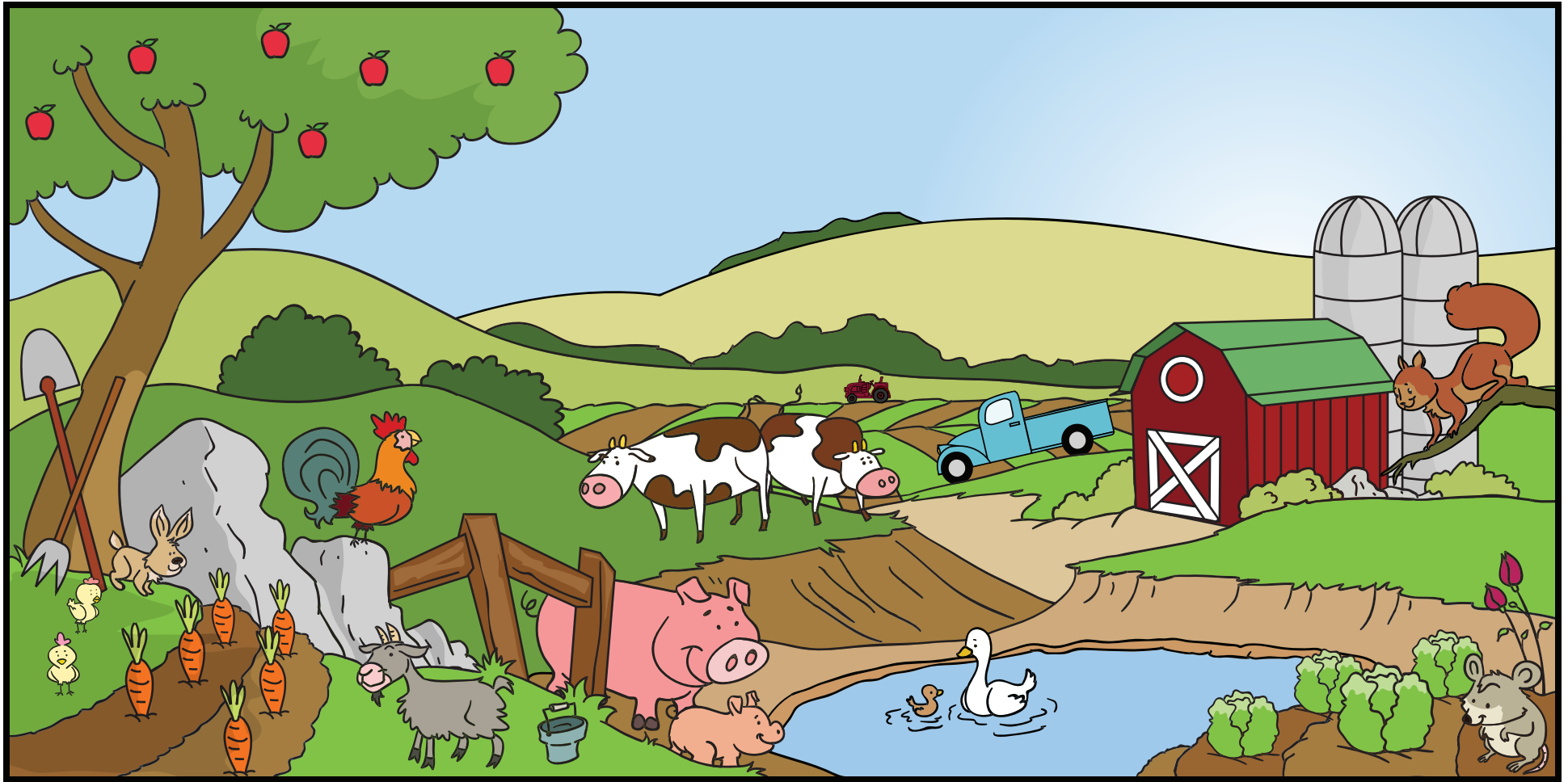
## Living and Non-Living Things: Math on the Farm

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# A Farm is a Fine Place to Live



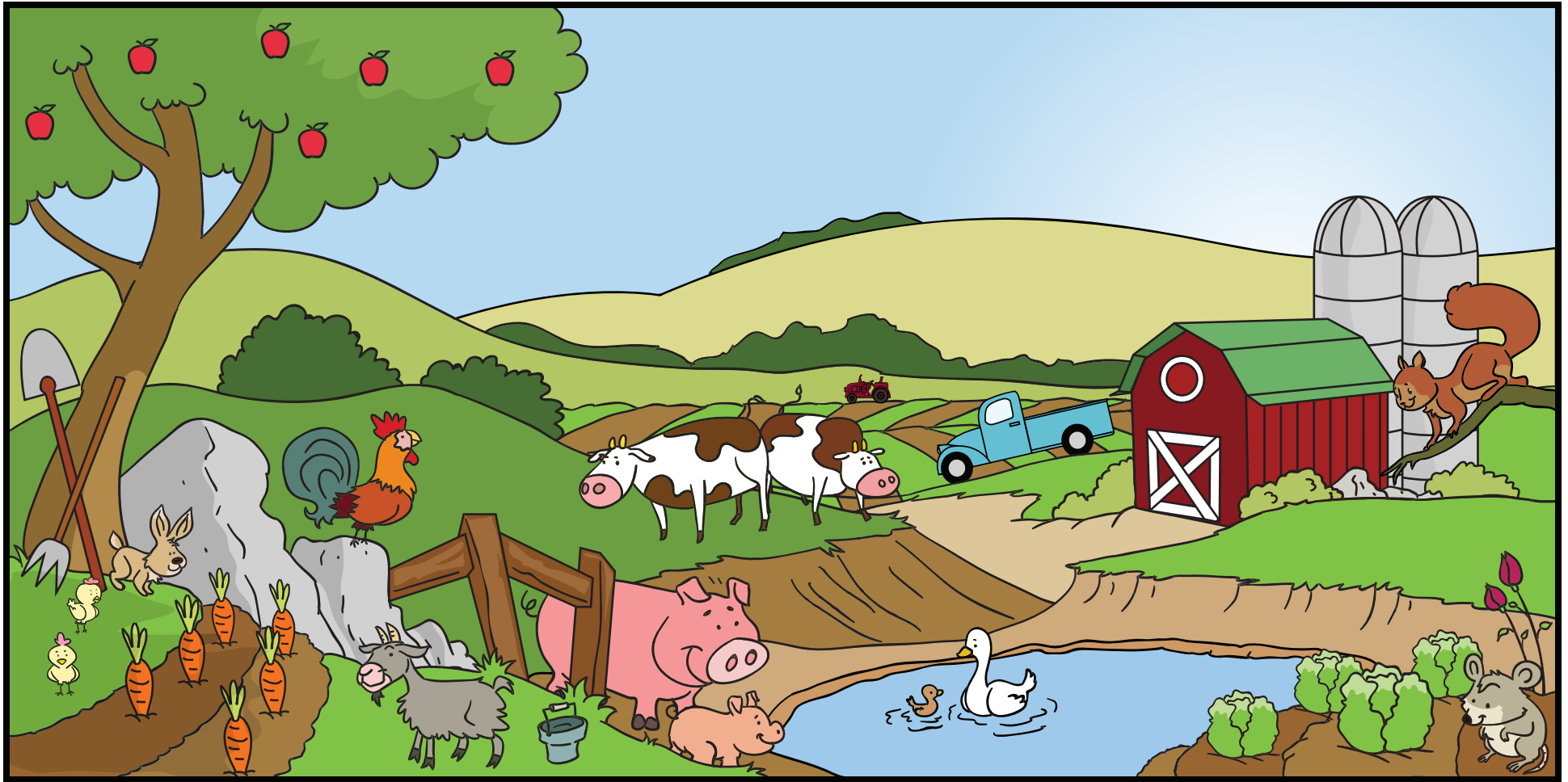
This farm is full of life! Living things must have water, food, and oxygen. That's the air we breathe. Living things can reproduce, grow, and often they can move! Look at the picture. Circle the living things that you see. Write that number on the line.

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# Non-Living things



The farm also has many non-living things as well. Look at the picture again. Circle the things that do NOT need food, water, or oxygen. Write the number on the line.

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Living things **MUST** have water, especially the hard-working farmer. Number the glasses of water that the farmer must drink.



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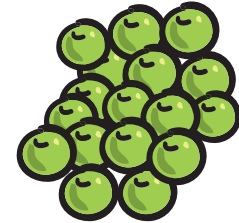
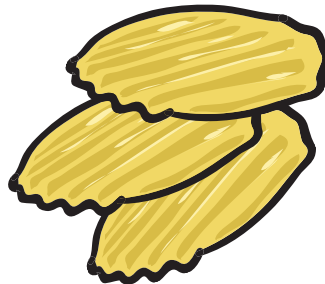
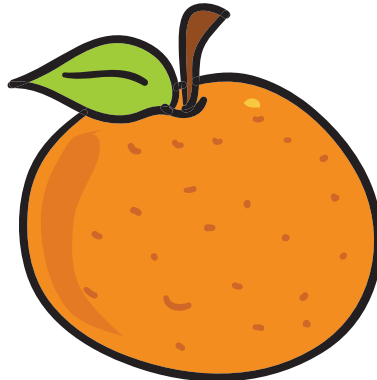
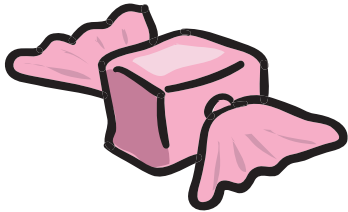
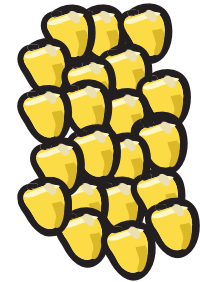
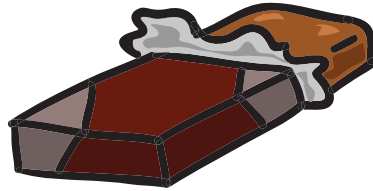
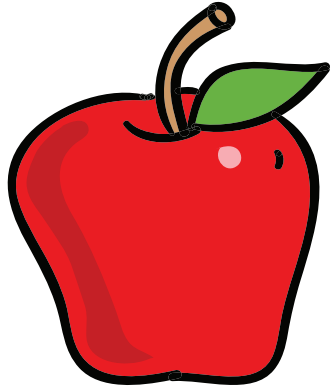


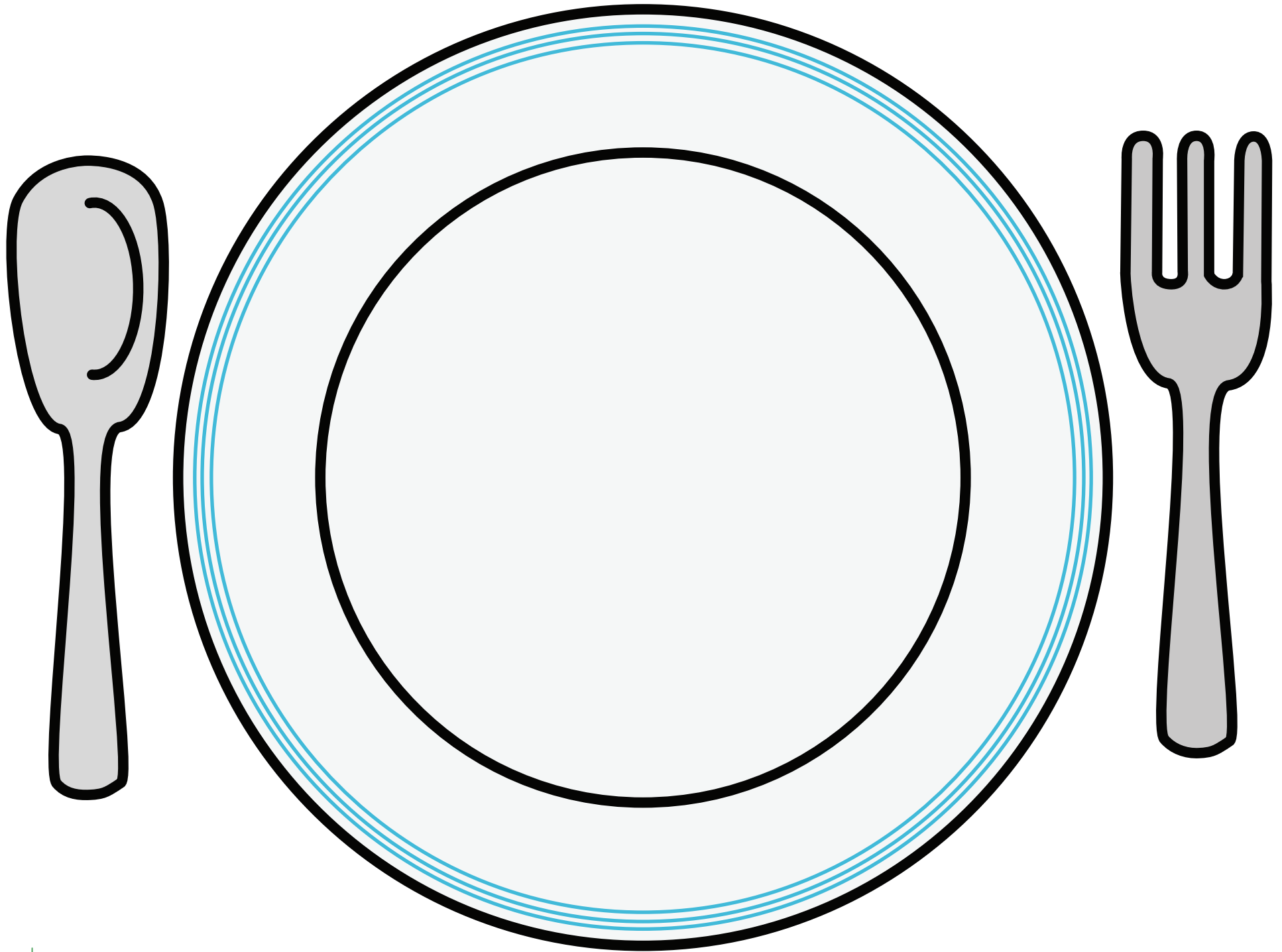
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# Food is Fantastic

Living things also need healthy food. Cut out the pictures of the food. Sort them into healthy and unhealthy groups. Glue the healthy foods to the farmer's plate.



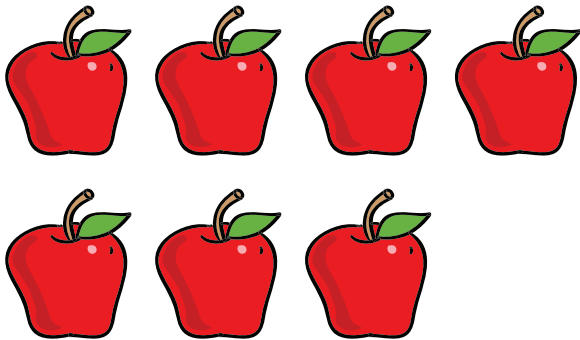




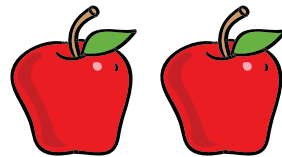
# A Hungry Horse

Harry Horse needs food too! He loves apples.

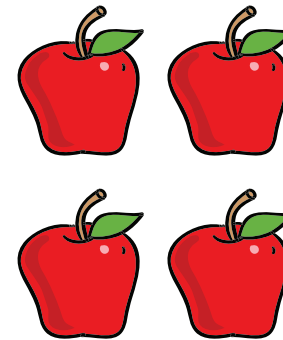
Count the number of apples in each box and write that number on the line.



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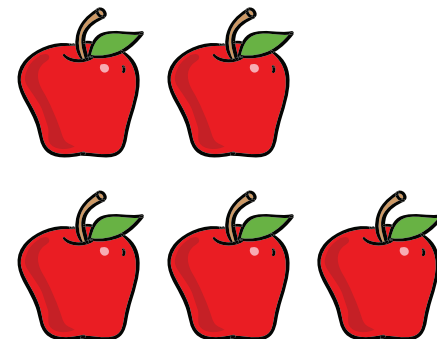
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What You Need:

- A digital timer
- A grown-up helper

Living things need oxygen to help them live and grow! You take in oxygen every time you breathe! Look at the the chart. Have your grown-up set the timer to the amount of time shown. Put your hand on your chest, and count the number of times your chest rises until they say stop.

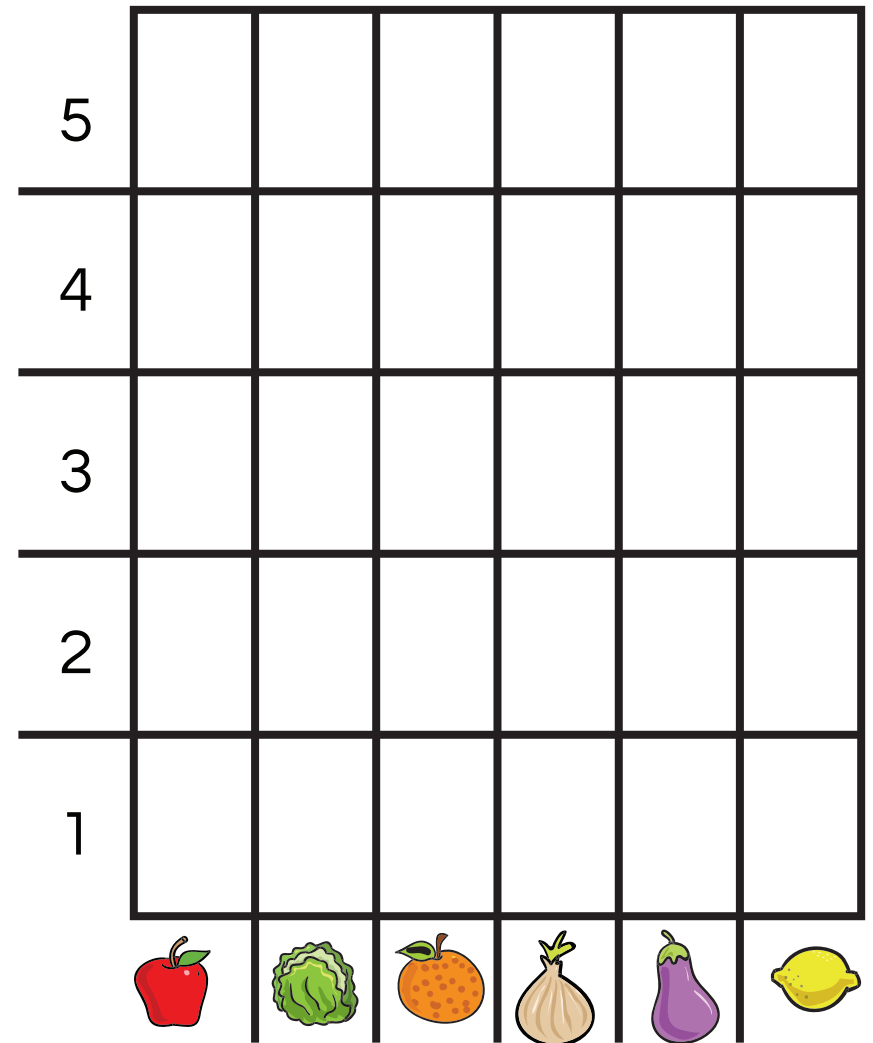
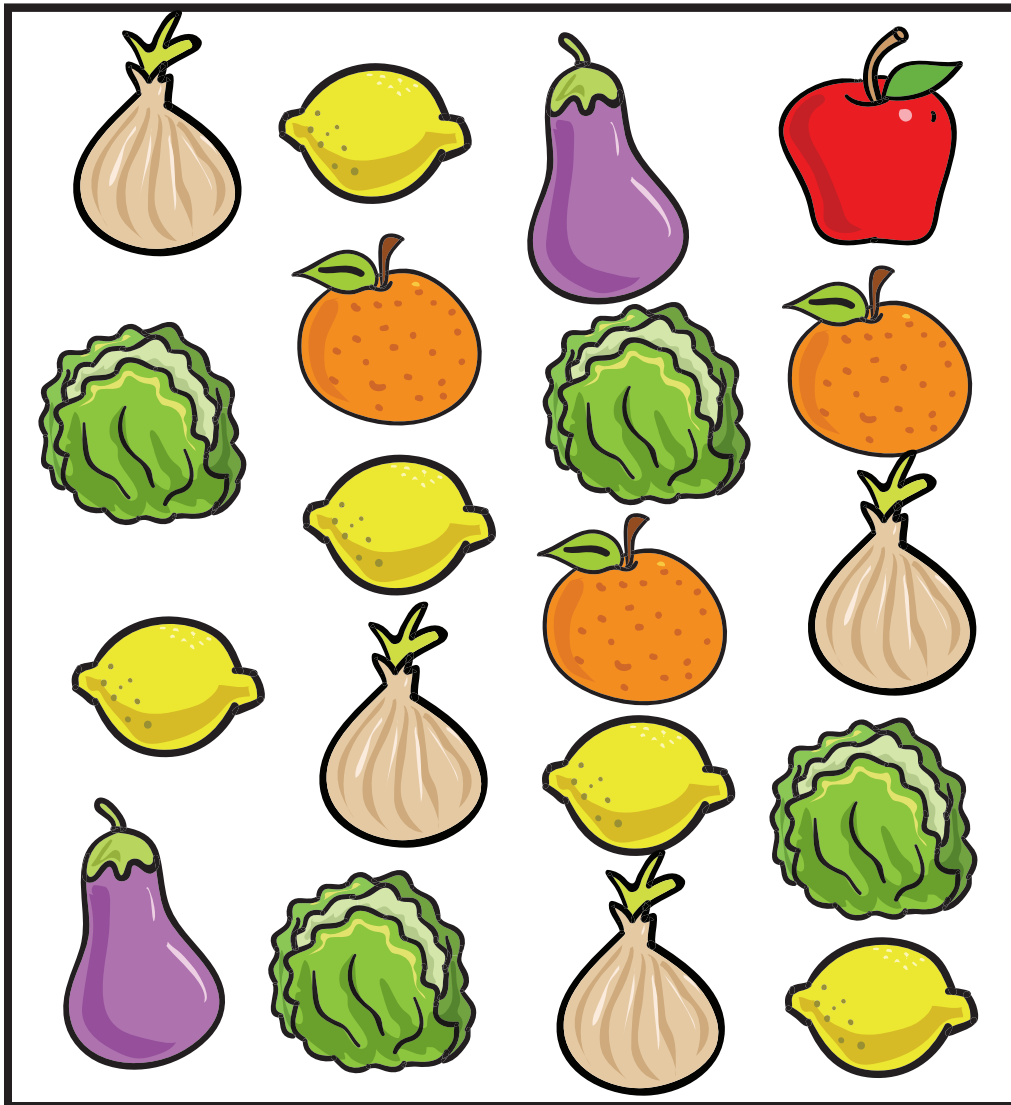
Write that number on your chart.



Time	Number of Breaths
3 seconds	
5 seconds	
7 seconds	
9 seconds	
11 seconds	
13 seconds	

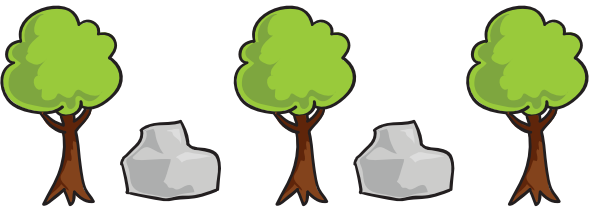
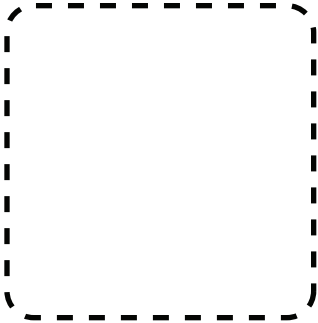
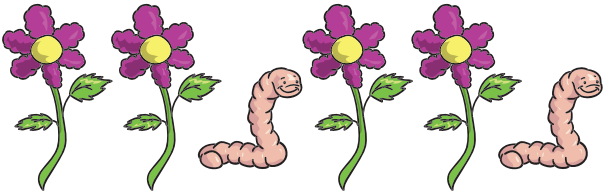
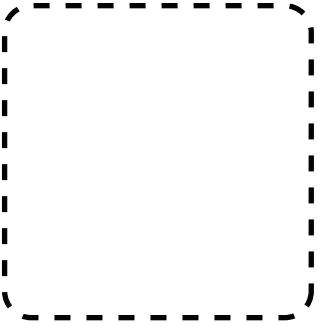
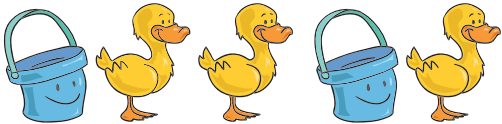
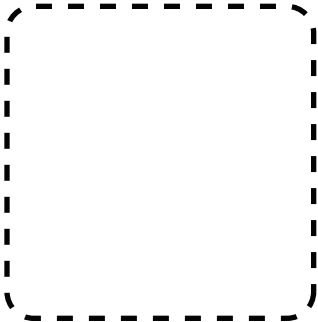

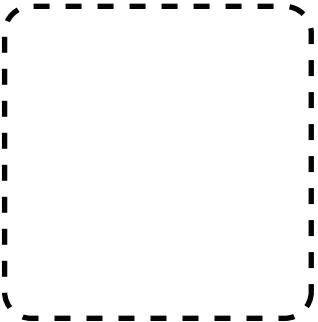


What a wonderful garden! These living things are growing quickly! Let's use a graph to show how many of each thing we have. Count the vegetables and color in the chart next to the correct picture.



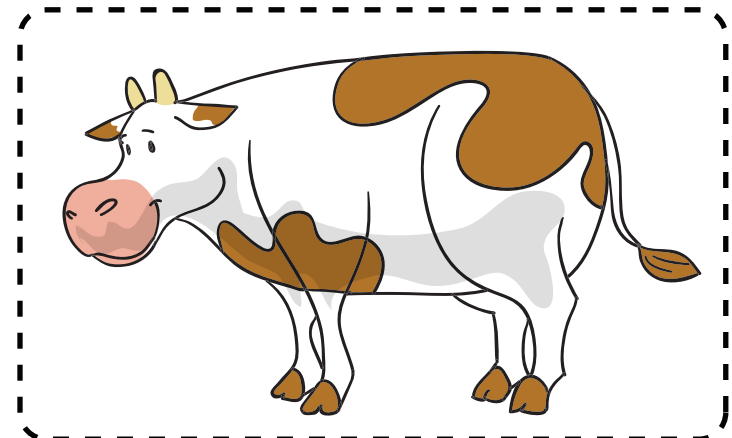
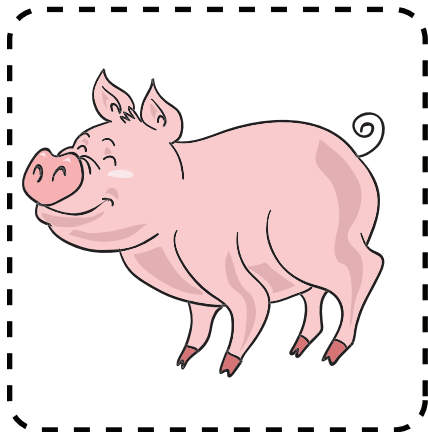
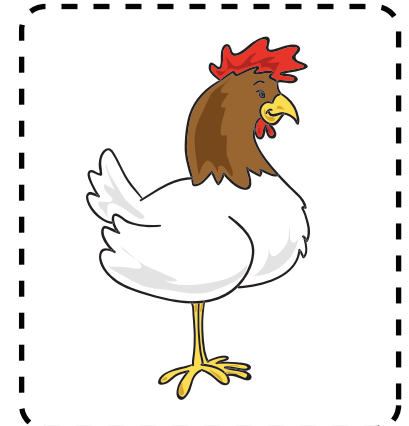
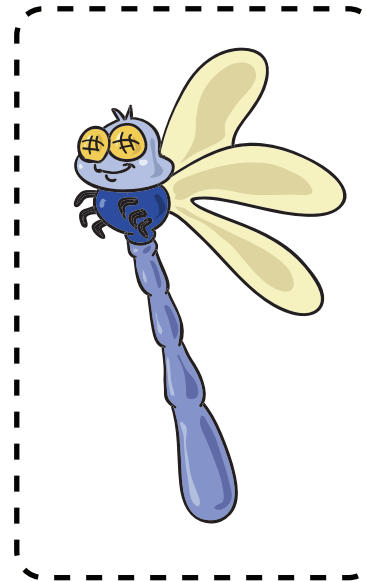
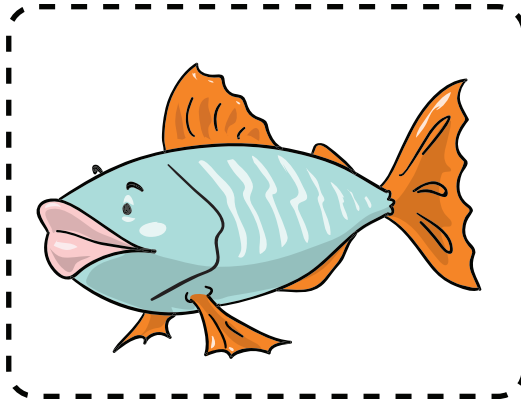
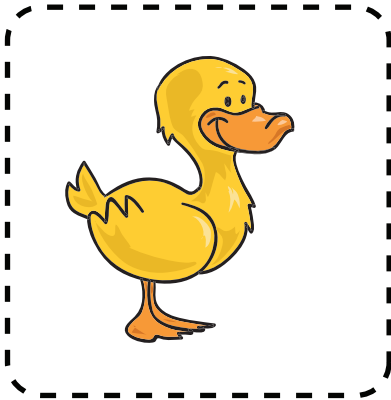


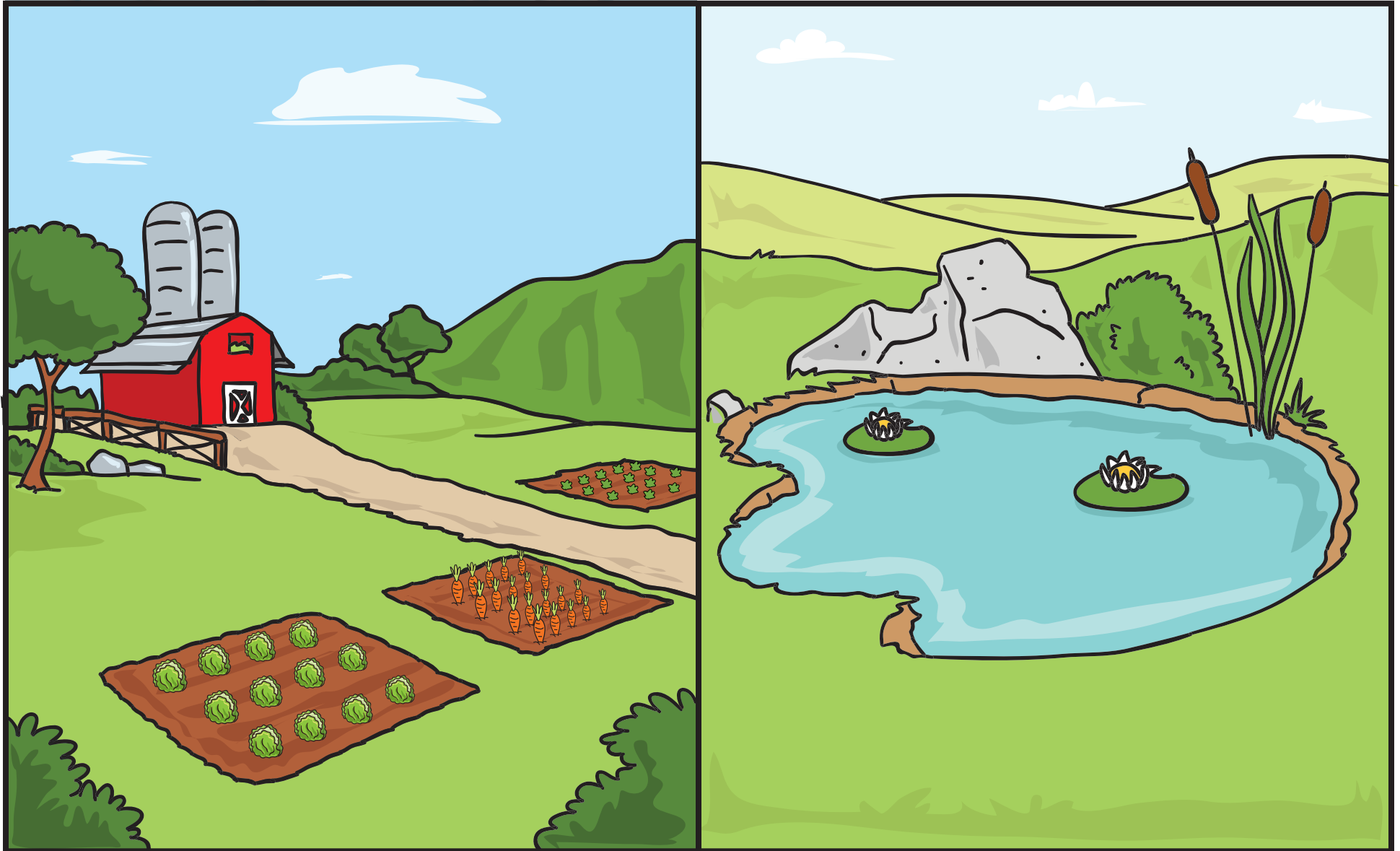
Look carefully at the patterns. Can you guess what comes next? Draw a picture of what comes next.  
Finally, create your own pattern. See if your grown-up can guess what comes next in your pattern.

 	 
 	 
<p>Draw your own pattern here. Ask your grown-up to guess what comes next.</p>	



What a mess! The animals have forgotten where they live! Cut the pictures of the animals out on the dotted lines. Decide if they live in the barn, or in the pond. Put them where they belong.







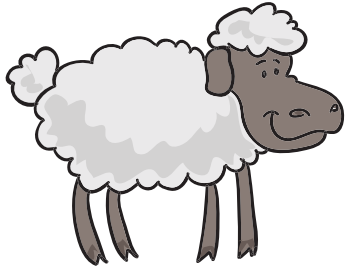
Many living things move, including ducks, geese, and you! For this game, you'll need at least five friends.

1. Choose one picker or "fox."
2. Everyone else sits in a circle.
3. The fox walks around the circle, taps each person on the head, and says "duck."
4. When the fox decides who he wants to pick, he says "goose."
5. The goose jumps up and chases the fox around the circle.
6. The fox tries to get all the way around the circle to the goose's empty seat.
7. If he makes it, the goose becomes the new picker or fox, but if the goose tags him instead, he continues to be the fox, and the game starts over.





Look at the animals on the left. Count their legs. Draw a line from the animal to the number of legs that they have.



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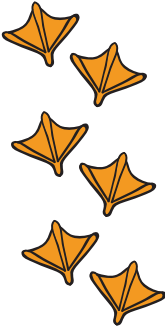


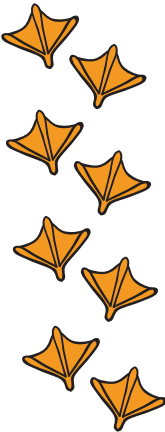
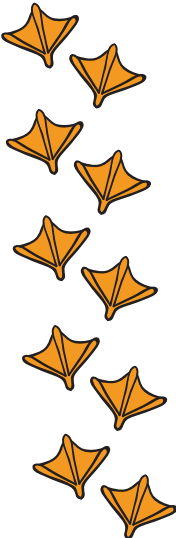


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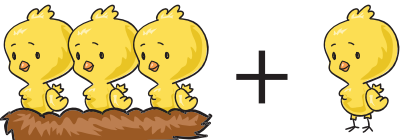
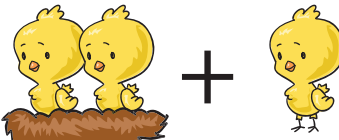
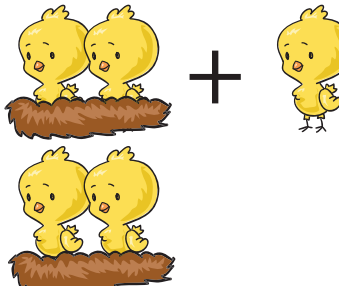
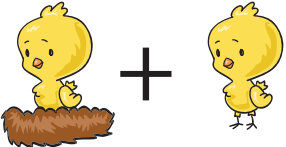
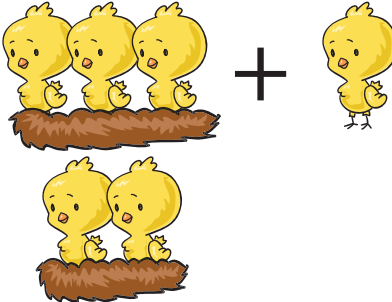
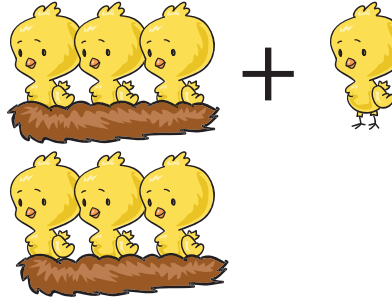
The ducks sure like to move! Count how many of their footprints you see and write that number on the line .

 <div data-bbox="508 738 701 888"> <hr/> <hr/> <hr/> </div>	 <div data-bbox="1144 738 1337 888"> <hr/> <hr/> <hr/> </div>	 <div data-bbox="1780 738 1974 888"> <hr/> <hr/> <hr/> </div>
 <div data-bbox="508 1304 701 1453"> <hr/> <hr/> <hr/> </div>	 <div data-bbox="1144 1304 1337 1453"> <hr/> <hr/> <hr/> </div>	<p>Draw duck prints and tell how many you drew</p> <div data-bbox="1780 1304 1974 1453"> <hr/> <hr/> <hr/> </div>



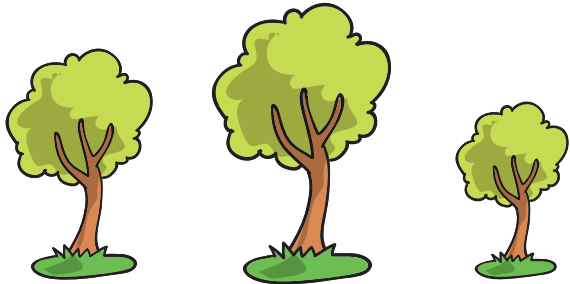
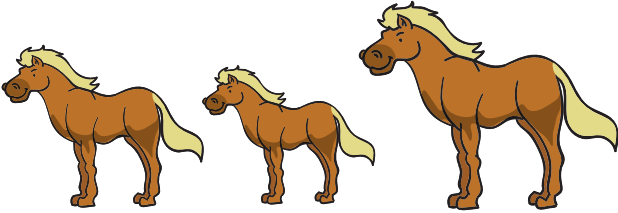
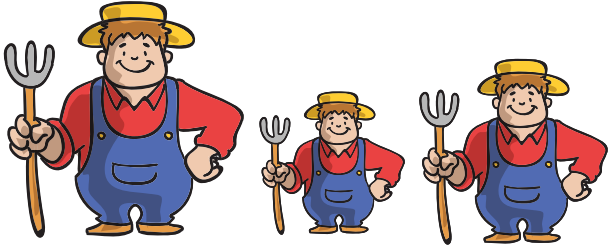
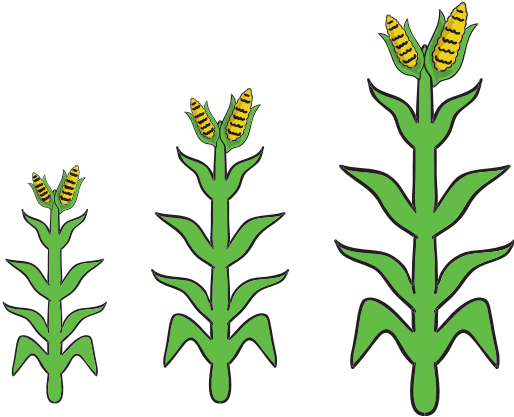

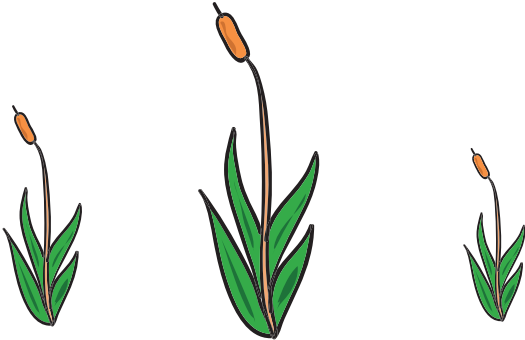


Living things reproduce and have babies. Hens lay eggs and they hatch, becoming baby chicks. Count the baby chicks in the nest. Write the number of chicks in the nest on the line. How many chicks are not in the nest? Write that number on the line. When we add those together, how many chicks are there?

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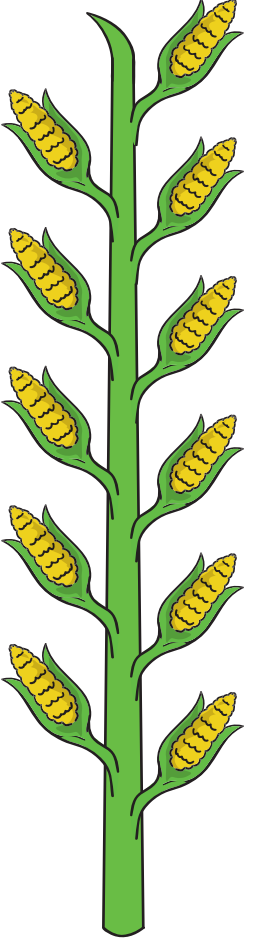
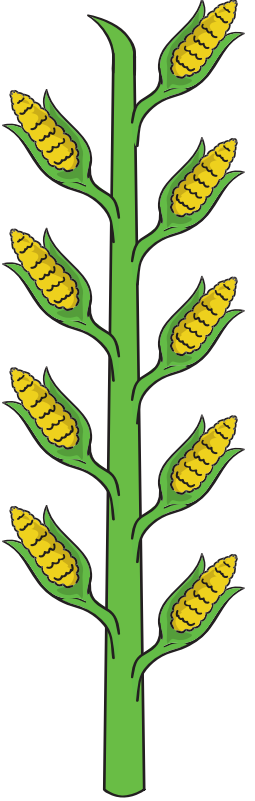
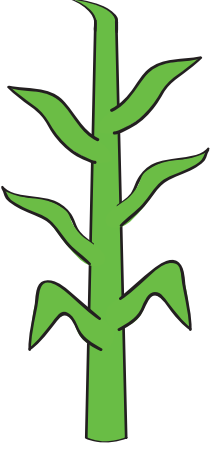
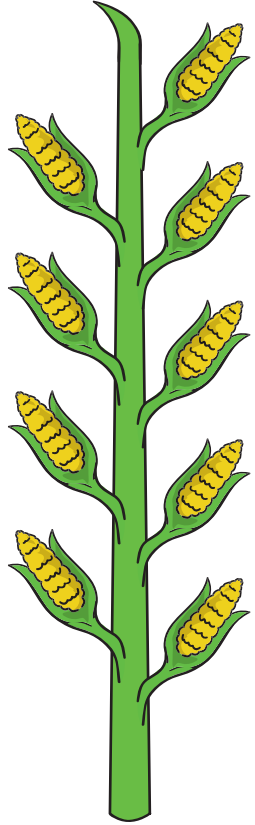
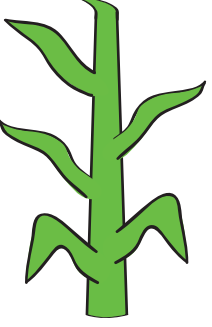


Living things love to grow. Circle the living thing that has grown the tallest.



Wow, that corn grows fast! Let's see how tall it is. Cut out the ruler and have a grown-up help you measure each cornstalk. Write your measurement on the line near the corn.

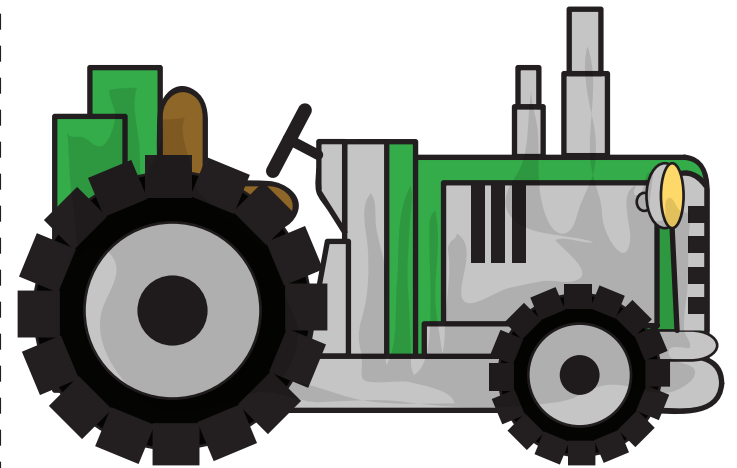
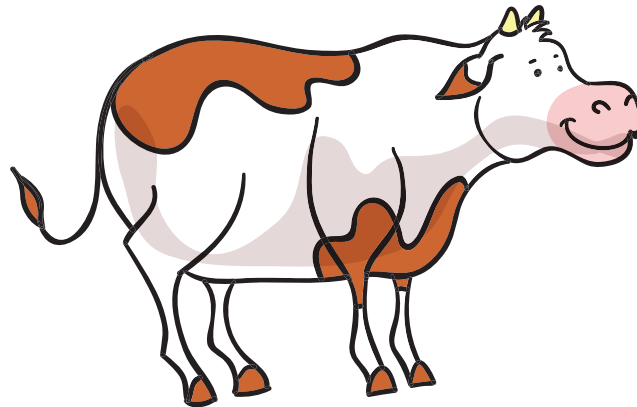
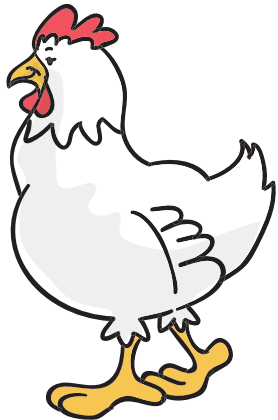
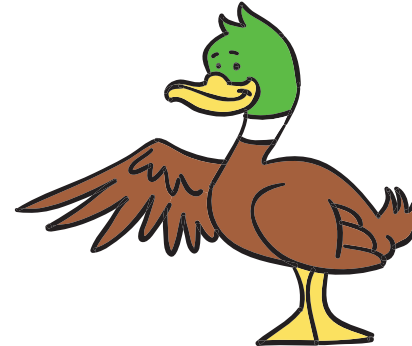
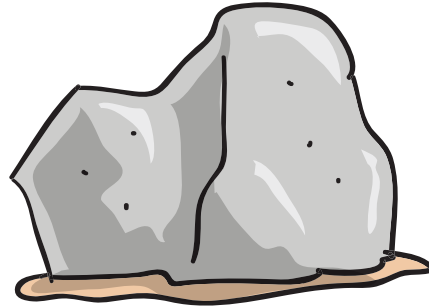
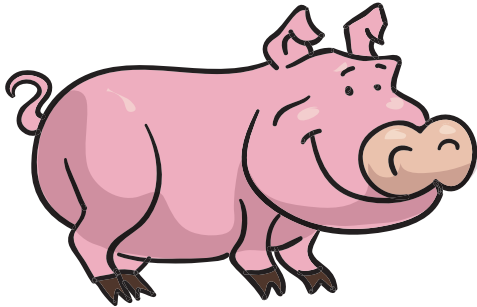
				
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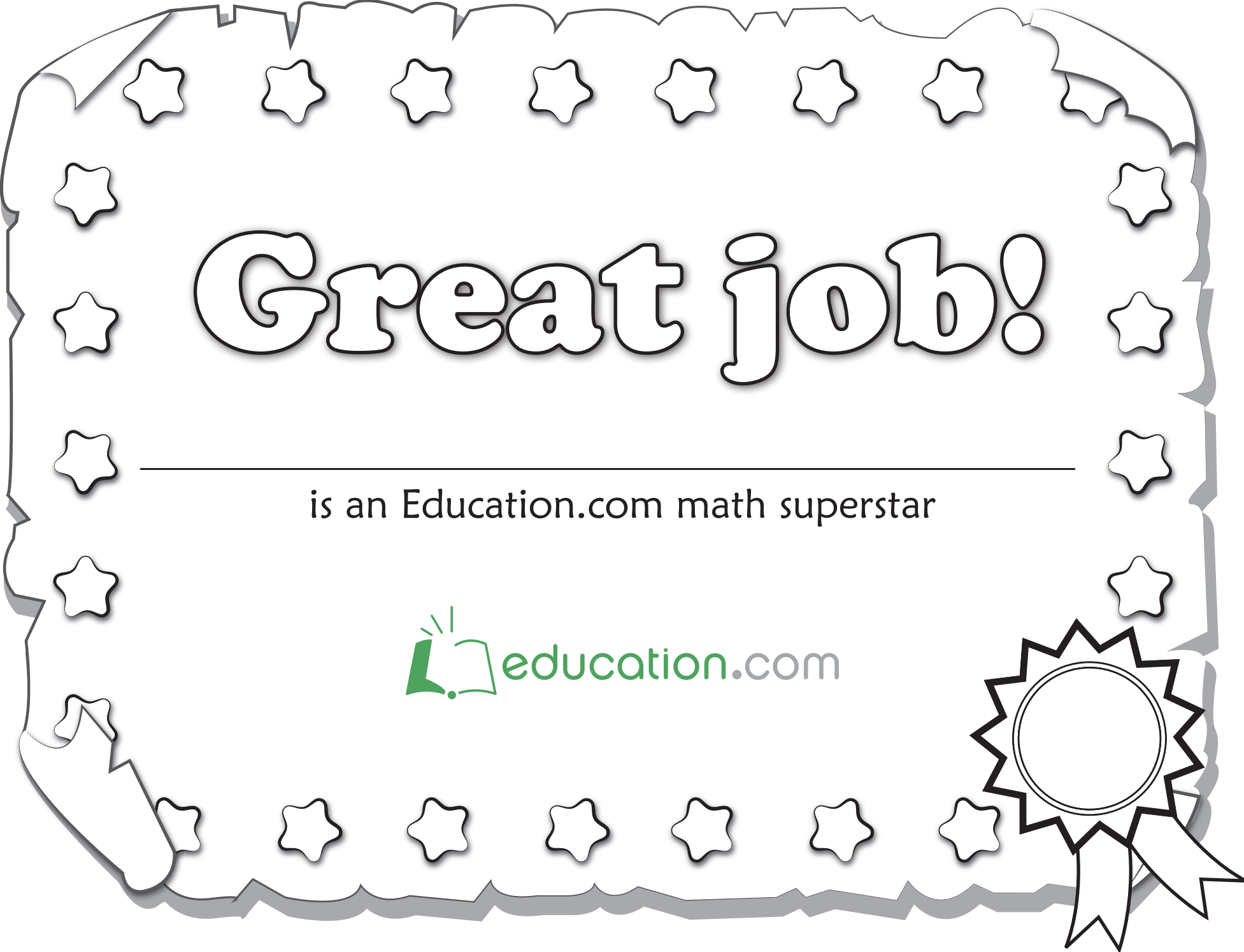




## Let's Review

The farm is full of living things. They need food, water, and oxygen. They can grow and reproduce, and many of them move! Cut out the pictures and sort them by living things and non-living things.





# Great job!

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