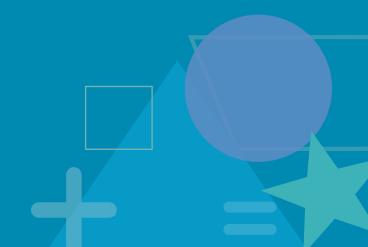
My First Numbers

Introduction to Math — Level K



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1st Printing, 2024.

Printed in the United States of America.

ISBN: 978-1-954745-71-1

Cover Design: Justin Turley Interior Design: Sarah Lee Bryant

Published by:

Generations
19039 Plaza Drive Ste 210
Parker, Colorado 80134
Generations.org

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My First Numbers

Introduction to Math — Level K

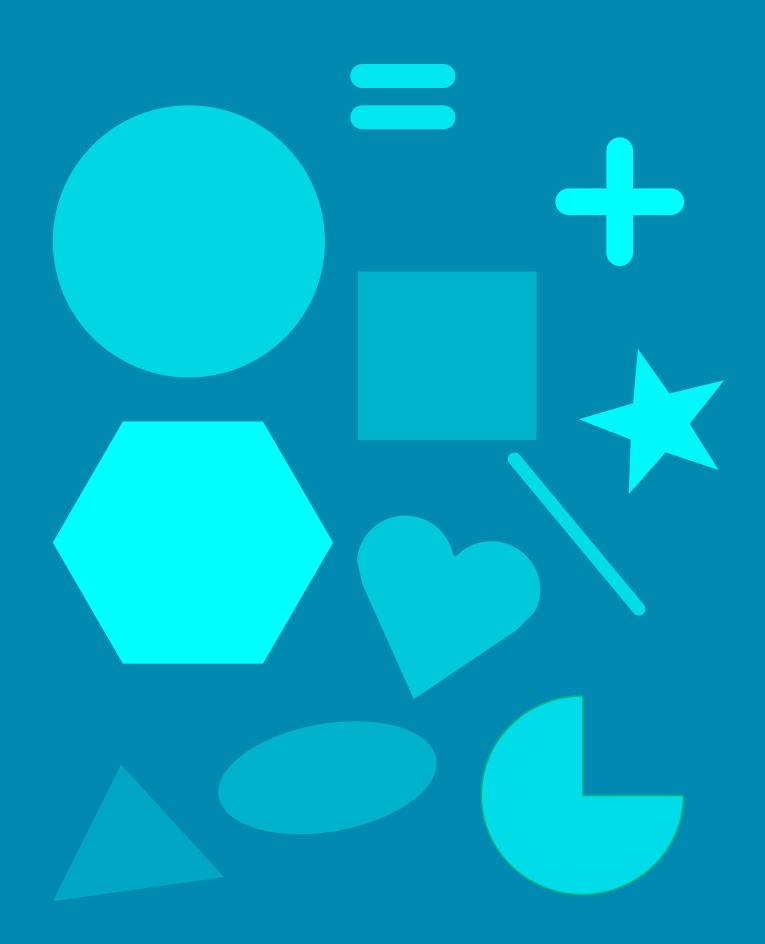
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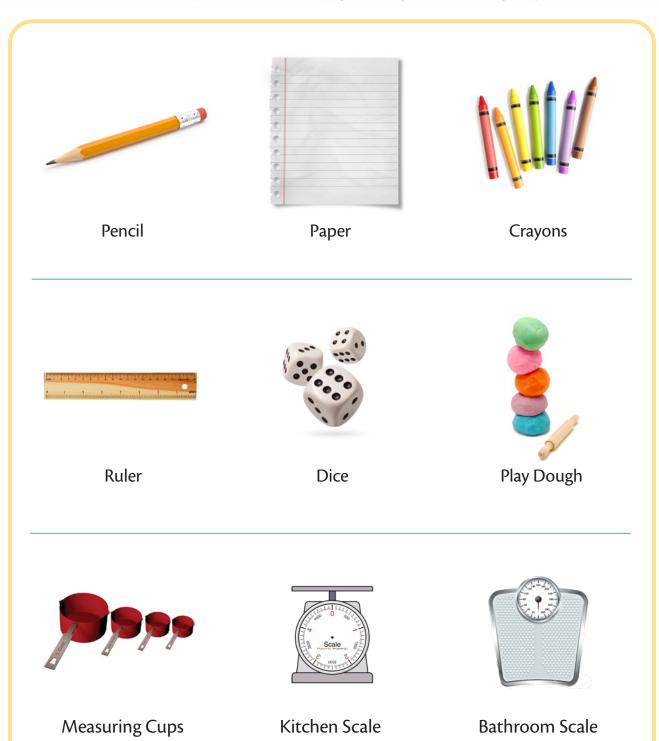


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Your Math Toolbox

Get ready for your journey in math by gathering the following helpful tools.



To the Parent/Teacher

Your Child's First Math Book

This is meant to be a child's first introduction to math, created by a team of homeschool grads, experienced homeschool moms, and math-philes. But mainly, we are "God-philes"—folks who love God's Word, God's works, and God's thoughts to think after Him. This is our motivation as we work to produce a new approach to math for the Christian family. We hope you and your little learners will be blessed by the unique features in this basic math course.

Unique Features

God-Centered Focus. First and foremost, our curriculum is committed to retaining a God-centered focus. We remind the student that math comes from God. Math is God's big idea. Math helps us to understand God's world which He created. This created reality is His idea, and math helps us to measure, to study, to quantify, and to qualify God's world.

We also aim to keep the Scriptures prominent throughout the math course. Our goal is to help you implement the Deuteronomy 6:7-9 mandate, diligently teaching your children God's Word when you sit in your house, walk by the way, when you lie down, and when you rise up. Scripture is to be a "frontlet" before their eyes, integrated into every subject they study, including math.

God-Glorifying Content. Proverbs 1:7 gives us the beginning of knowledge as the fear of God. The objective behind all learning should be to know God, and to learn more of His awesome power, wisdom, and goodness. Learning must never increase the student's pride in his own knowledge, or in his ability to obtain knowledge. But rather, all learning should humble us all before the infinite wisdom of God—and bring us to wonder and praise.

Christian Worldview Built-in. Elements of a Christian worldview have been incorporated into the lessons—some of the principles may be more obvious than others. Family life, church life, honor for parents, honesty, and love for brothers and sisters are principles that are inculcated throughout.

Prayer and Faith Lessons. The time that you spend with your child will be habit forming: math habits, learning habits, and life habits. Beginning with prayer is a wonderful habit to impart: a simple confession of our dependence on God, a small

acknowledgement of God's greatness, a sincere giving of thanks for the opportunity to learn, and a commitment to seek His kingdom... even in the context of math.

The Concrete-Abstract-Concrete Method. Math concepts are best introduced first in the concrete: by the use of manipulatives, by observing natural phenomena in creation, and by the use of real photos of God's world. This is followed up with the abstract math equations. The final step in the learning process takes math into the kitchen, the workplace, or the game room, applying math in day-to-day life. Thus, the optimum math learning experience will incorporate the concrete-abstract-concrete method.

Life Integration. Throughout the Generations math courses, students are encouraged to use math as a tool to steward God's creation, to take proper dominion, and to serve others. Knowledge is meant to be integrated into life, such that the learner becomes a "doer of the Word and not a hearer only."

Math Demonstrated in Creation. Math shows God's wisdom, organization, and unchangeable nature—His patterns. We see God's attributes in all His creation. This course uses beautiful photos to point to God's design in creation whenever possible.

How to Use this Course

- 1. This course includes 91 lessons, which may be spread over a 30 to 36-week school year, averaging about 3 lessons per week. The workload is appropriately laid out for the kindergarten level—adjusted to about 60% of the load that would ordinarily be assigned to a first-grade student. A K-level student following a 5-day-a-week plan would finish these lessons in 18 weeks. The parent/teacher is free to schedule these lessons as needed, depending on time available and the capabilities of the child.
- 2. Each chapter typically includes a mix of lessons with new material and review of prior material. New lessons are varied and presented in an engaging, wonder-filled, enthusiastic way to immerse the child in the wonderful world of mathematics.
- 3. For the parent/teacher's convenience, everything needed is contained in one book—relieving the busy mom from having to juggle multiple books and consuming extra time preparing lessons. An answer key is also included in the back of the book. The simple, creative, and (ideally) engaging explanations are designed for a 5-year-old comprehension level and are intended to be read aloud.

- 4. Begin each day with prayer. We have suggested a prayer for each lesson, but the teacher/parent/student may provide their own.
- 5. This course is meant to be accompanied by the use of flash cards. God has given young children an amazing ability to memorize! Scales are the foundation for learning music. Drills are the fundamentals for athletes. Basic addition and subtraction skills are essential for engaging in the art and science of mathematics.
- 6. First introductions to math concepts are best presented with manipulatives. The colored sheet of blocks at the end of the text may be glued to card stock and cut out for this purpose.

We Need Your Feedback

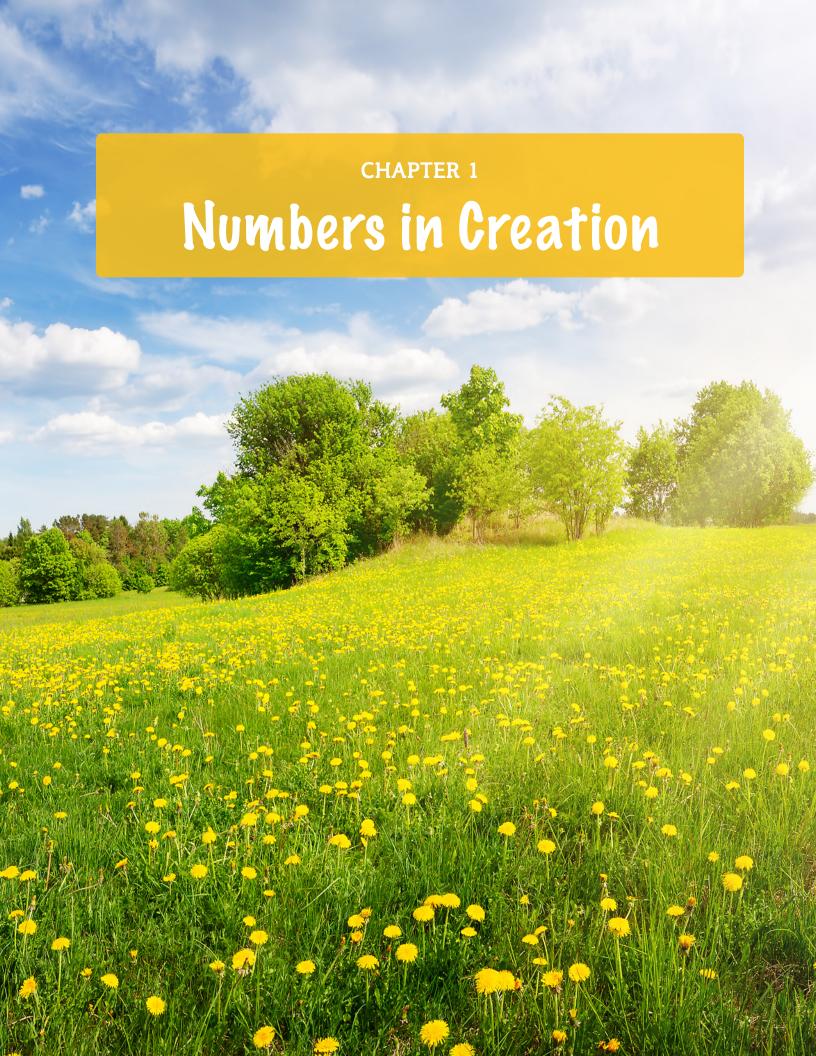
Feel free to offer any comments and suggestions to our publishing team by emailing mail@generations.org. We appreciate your input!

And these words which I command you today shall be in your heart. You shall teach them diligently to your children, and shall talk of them when you sit in your house, when you walk by the way, when you lie down, and when you rise up. You shall bind them as a sign on your hand, and they shall be as frontlets between your eyes. You shall write them on the doorposts of your house and on your gates. (Deuteronomy 6:7-9)

Throughout this book, there are suggested videos, games, and crafts that you can access at Generations.org/kmath, or use this QR code!









God, thank You for making everything. Thank You for making me. Help me to learn math this year so that I can know You better! Amen.

Welcome to the wonderful world of numbers! Welcome to counting!

God made everything. He didn't make only one thing. God made lots of things that you can count. He made your fingers and toes. Do you know how many fingers He made for you? Do you know how many toes He made for you?

God gave you a mind to think with. He wants you to think about what He has made. Today, you will use your mind to learn about God's numbers.

God wants lots of people to know Him. He wants lots of people to know about the world He made.

Let's learn about God's world!

Let's learn about numbers!

Let's learn more about God too!

Do you like to count? When you count, you are saying numbers. Do you know what some of the numbers look like? When you use numbers, you are doing math.



Let's Start with ZERO!

[God] stretches out the north over empty space; He hangs the earth on nothing. (Job 26:7)

At first, there was nothing in the world. Everything was dark. Then God made everything!

The smallest number is zero. That's the word we use for nothing. We write the number zero like this:

0

Before God made the world, there was nothing. There were 0 things. But there was God! There was one God. There is still only one God. We write the number one like this:

Aren't you glad that our 1 God wants us to know Him?

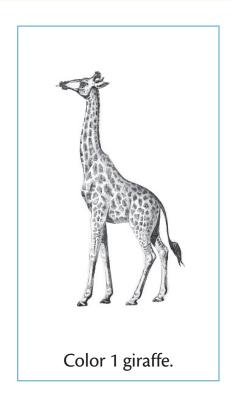
Then, God made two people! Do you know their names? That's right! Adam and Eve. We write the number two like this:

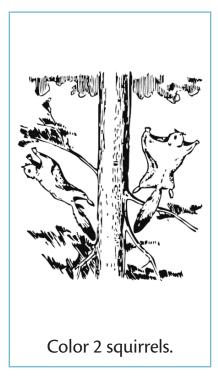
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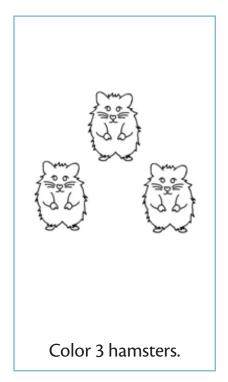
Then, Adam and Eve had a baby boy. They named him Cain. Now there were three people on the earth. We write the number three like this:

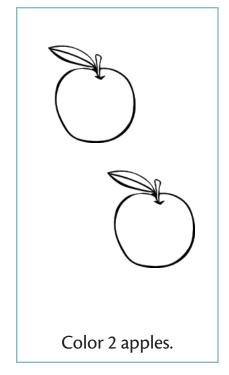
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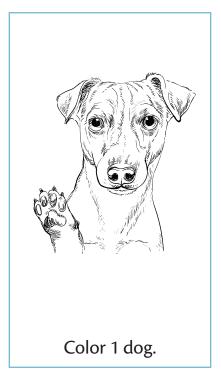
Let's color! Count the correct number of objects and color them.

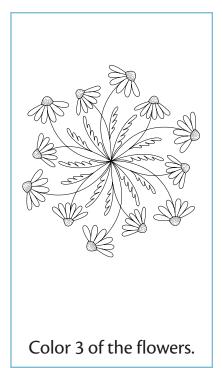












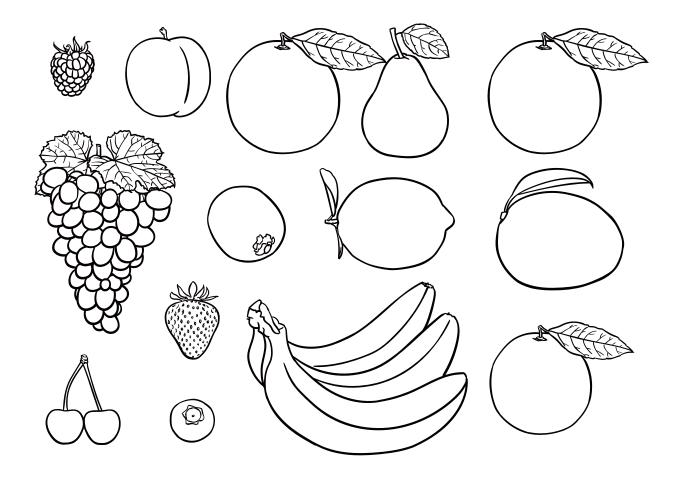
In the following picture. . .

Color 3 oranges orange.

Color 2 cherries red.

Color 1 pear yellow.

And color 0 (zero or none) of the bananas.



Watch and Listen!

Watch a number song — video #1 at **Generations.org/kmath!**

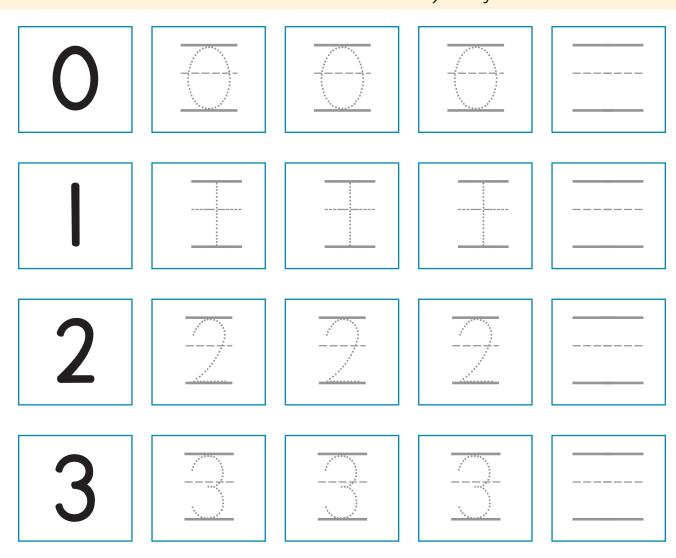
Practice Writing God's Numbers from 0 to 3!



God, thank You for the ability to write.

Memory Work — Practice counting from 0 to 3.

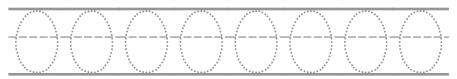
Trace each number three times. Then write the number yourself.



LESSON 2 | PRACTICE WRITING GOD'S NUMBERS FROM 0 TO 3!



Zero is nothing at all.



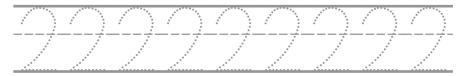


One sun.



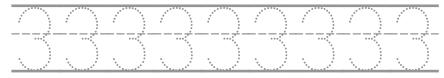


Two people.





Three birds.

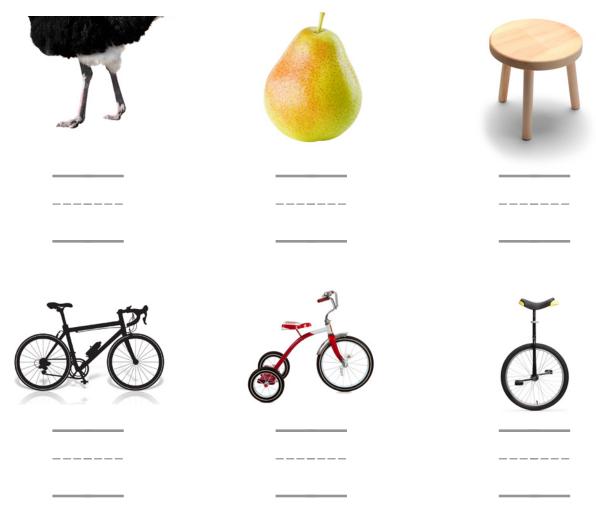


In the following picture...

Which pictures have only 1 of something? Write a "1" in the blank under those pictures.

Which pictures have 2 of something? Write a "2" in the blank under those pictures.

Which pictures have 3 of something? Write a "3" in the blank under those pictures.



Let's Play Dizzy-Bat Race!

If you have a baseball bat, take it outside and hold it so one end is on the ground. Lean over and put your head down on the top end of the bat. Run in a circle around the bat so that you are spinning. Count each time you go around. Can you go around 3 times? After spinning, run across your yard. What happens as you run?

More Practice with God's Numbers from 0 to 3!



God, thank You for giving us so many animals to count.

Memory Work — Practice counting forward and backward from 0 to 3.

Let's practice counting today by counting these animals.













CHAPTER 1 | NUMBERS IN CREATION







God made all these animals.

"Know well the condition of your flocks, and give attention to your herds." (Proverbs 27:23)

If you are taking care of horses, sheep, and goats, you need to count them. You must be sure that none of them have wandered off!

Let's Exercise!

Can you do push-ups and jumping jacks? Have your parent call out numbers 0 to 3 randomly as you try to do that number of each exercise.









LESSON 4

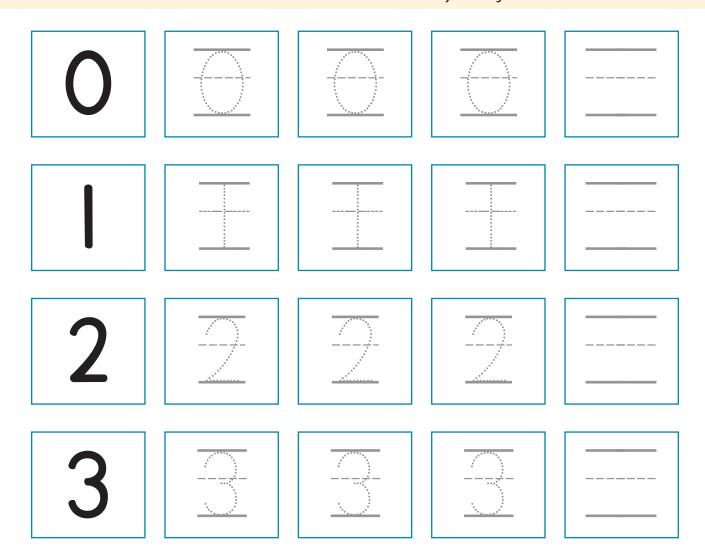
Let's Learn about God's Numbers from 4 to 7!



God, thank You for giving us the Bible so that we can learn more about You and about the world You made. Thank You for making my mind so I can learn about your world! Help me to learn more today from your world and your Word! Amen.

Memory Work — Practice counting from 1 to 7, forward and backward.

Trace each number three times. Then write the number yourself.



CHAPTER 1 | NUMBERS IN CREATION

God made insects too!

Count the ants and ladybugs.





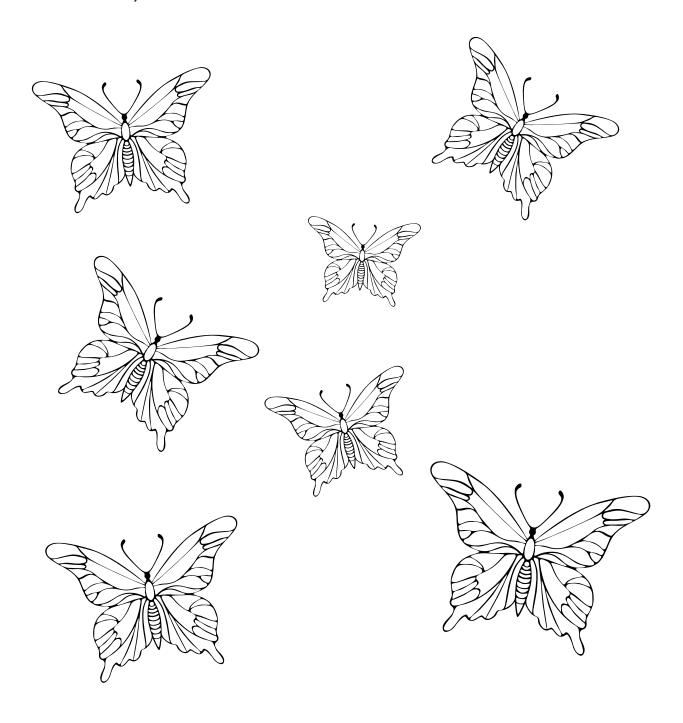
Can you find 6 differences between these pictures?





Color Fun!

Color 4 beautiful butterflies blue! Color 3 beautiful butterflies red! How many butterflies did you color?



CHAPTER 1 | NUMBERS IN CREATION

How many people are in your family? How many pets do you have?

Draw a picture of your family.				
Draw a picture of your pets or other animals you like.				

LESSON 5

Practice with God's Numbers from 4 to 7!



Our Loving Father, thank You for making a way for us to know You. Your Son Jesus came so we can have a home for eternity! Amen.

Memory Work — Practice counting from 1 to 7 backward and forward.

Then God blessed the seventh day and sanctified it, because in it He rested from all His work which God had created and made. (Genesis 2:3)

Our amazing God created everything in only a week! A week is 7 days! Let's count the numbers 1 to 7. We can learn the things God made each day of that week:



Day 1 - light

Day 2 – sky

Day 3 - dry land, seas, plants, and trees

Day 4 - sun, moon, and stars

Day 5 - creatures in the sea and creatures that fly

Day 6 - animals and man

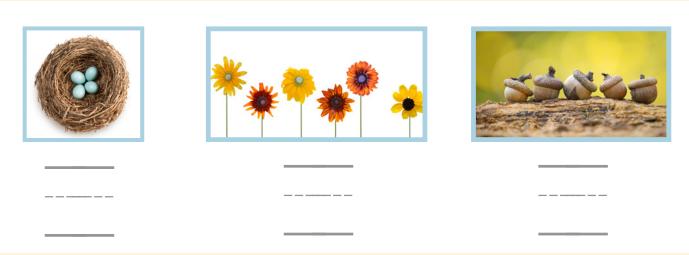
Day 7 – a day of rest!

Count forward and backward!

1, 2, 3, 4, 5, 6, 7 7, 6, 5, 4, 3, 2, 1 Trace all the numbers from 1 to 7 you can find in this picture.



Count these things. Write how many you find below each picture.



Let's Explore Nature!

Go outside and try to collect groups of 4, 5, 6, and 7 of the same kinds of things. Some examples could be rocks, shells, pinecones, dandelions, or snowballs. These will be different depending on where you live!

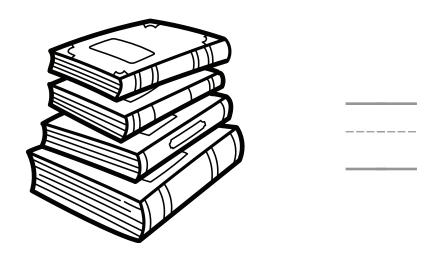
More Practice with God's Numbers from 4 to 7!



Our loving Father, thank You for creating all things, including the blessings we find at home. Amen.

Memory Work — Practice counting from 1 to 7 backward and forward.

Color the books. How many books do you see? Write the number in the box.



Look at your hand. Count the fingers and thumb. Write each number here as you count.



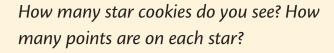


Color the shirts of these volleyball players.

Color one team's shirts blue. Color the other team's shirts green. There are 3 players on each team. This makes 6 players! Someone is watching on a ladder. That will make 7 people altogether!



How many dice are here?

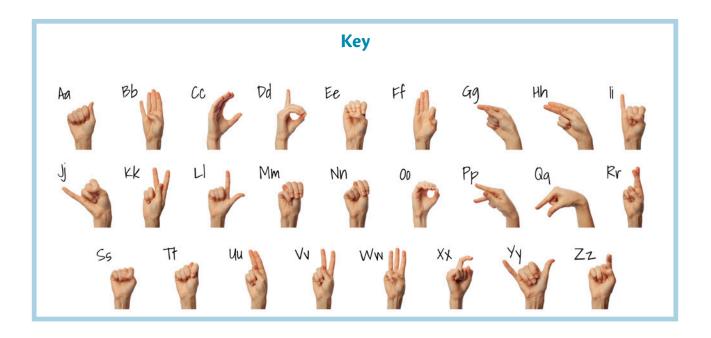


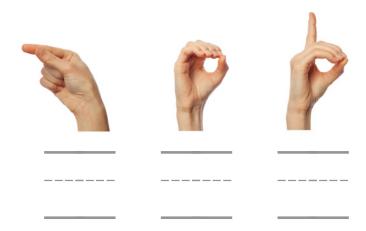




Sign Language Fun!

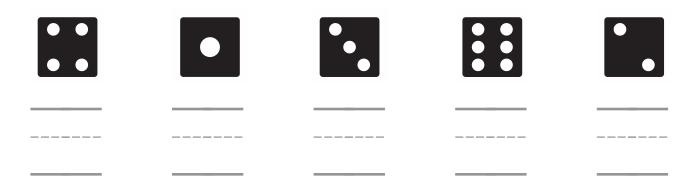
Some people who cannot hear or speak learn to use their hands to speak. They learn **sign language**. Use the key to find the letters of the three hand shapes below. They are spelling the word that tells who created you.



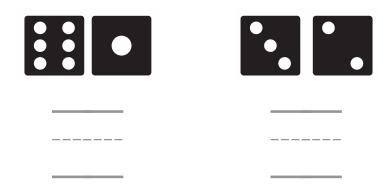


CHAPTER 1 | NUMBERS IN CREATION

How many dots can you count on each of these dice? Write the number in each box.



How many dots can you count altogether on these two dice?



Family Game Time!

Play the game Heads Up, Seven Up with your family. This game can be played with any number of people. If you don't know the rules you can find them at game #1 at **Generations.org/kmath**.



LESSON 7

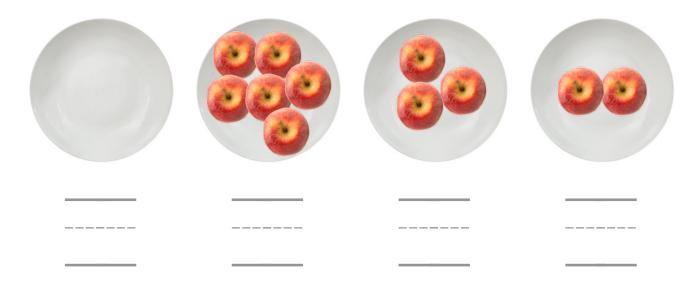
Practice with God's Numbers from 0 to 7!



Lord, You provide us with food to make us grow. Help us to be thankful for food and math!

Memory Work — Practice counting from 1 to 7, forward and backward.

How many apples are in the bowls?

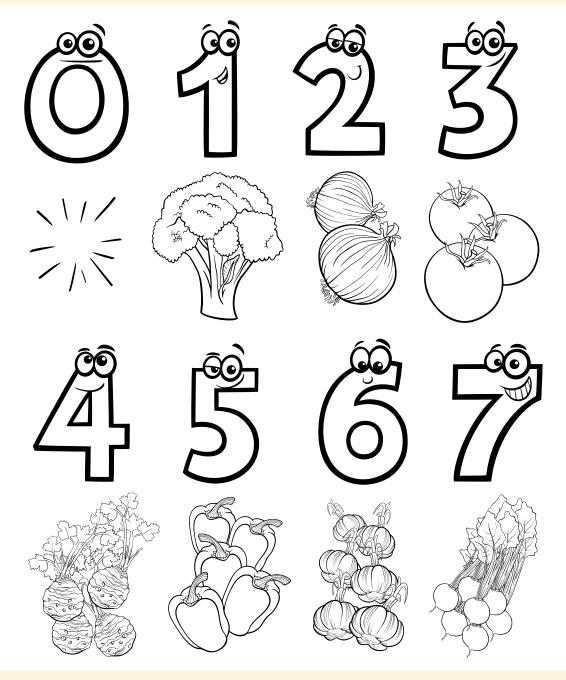


How many cats are there?

230	

S S S

Color the vegetables from 0 to 7. Which ones are your favorite?



Let's Watch!

You haven't learned to write your numbers all the way up to 10 yet. But you can practice saying these numbers with your parent/teacher as you watch video #2 here: **Generations.org/kmath**.

Let's Learn about God's Numbers from 0 to 8!



God, thank You for numbers. Help us to use them for Your glory. Amen.

Memory Work — Practice counting from 1 to 8, forward and backward.

Let's read this Bible verse first, before we count to 8!

... In the days of Noah ... 8 persons were brought safely through water. (1 Peter 3:20 ESV)

God saved 8 people from the flood waters a long time ago. He saved Noah. He saved Noah's wife, and the rest of Noah's family. There were 8 people on the ark. Can you say, "8"? "8 people!"

Can you draw 8 people on the ark?

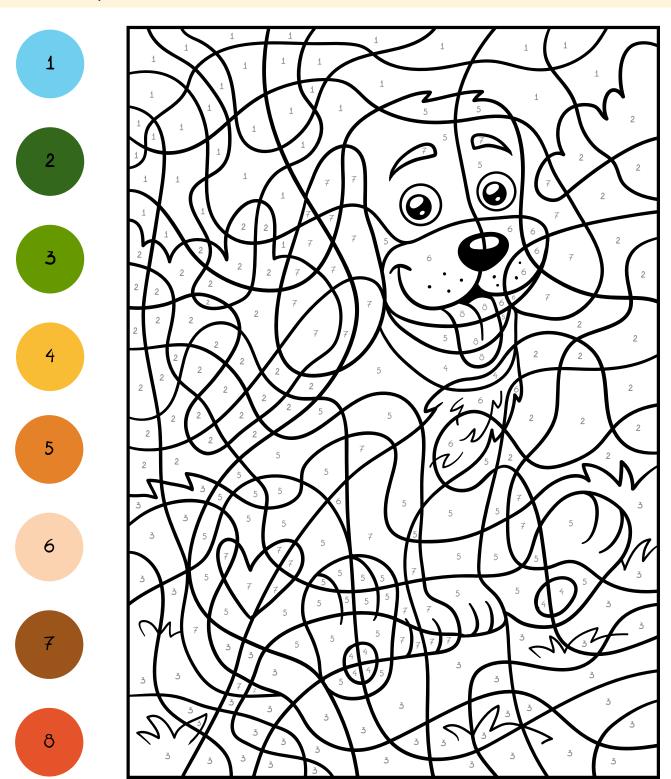


Practice writing these numbers: 5, 6, 7, and 8.

Draw lines to match the number with the picture that shows that many flowers.

5 6

Let's color by number!



Let's Learn about God's Numbers from 8 to 10!



Creator God, You made everything with a purpose. Help us to put our 10 fingers together in prayer to praise You. Amen.

Memory Work — Practice counting from 1 to 10.

Today we are going to learn all ten numbers. But let's read this Bible story first.

Now it happened as [Jesus] went to Jerusalem that He passed through the midst of Samaria and Galilee. Then as He entered a certain village, there met Him ten men who were lepers, who stood afar off. And they lifted up their voices and said, "Jesus, Master, have mercy on us!"

So when He saw them, He said to them, "Go, show yourselves to the priests." And so it was that as they went, they were cleansed.

And one of them, when he saw that he was healed, returned, and with a loud voice glorified God, and fell down on his face at His feet, giving Him thanks. And he was a Samaritan.

So Jesus answered and said, "Were there not ten cleansed? But where are the nine? Were there not any found who returned to give glory to God except this foreigner?" And He said to him, "Arise, go your way. Your faith has made you well." (Luke 17:11-19)

Now that we have read the Bible, let's talk about what happened in this story. Jesus healed ten men who had a terrible sickness. How many is ten? Hold up your ten fingers. That's right! Jesus healed ten lepers. Later, only one came back to say, "Thank You" to Jesus. Hold up one finger. Now, where were the other 9? They never came back to say, "Thank You" to Jesus.

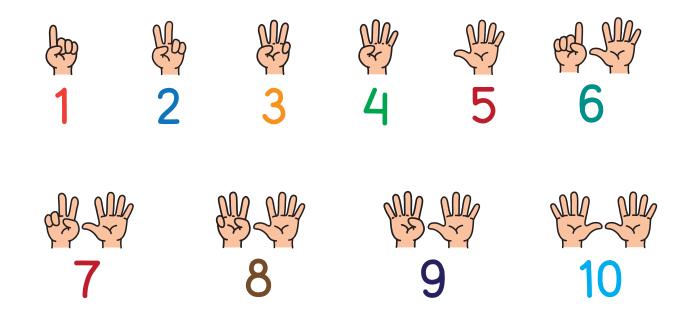
Let's review our numbers once more, but this time we will add two more numbers.

1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Ten is a complete number. We each have 10 fingers and 10 toes! Every finger and toe was made by God! Let's practice counting to 10 one more time using our fingers. Look at this number carefully:

10

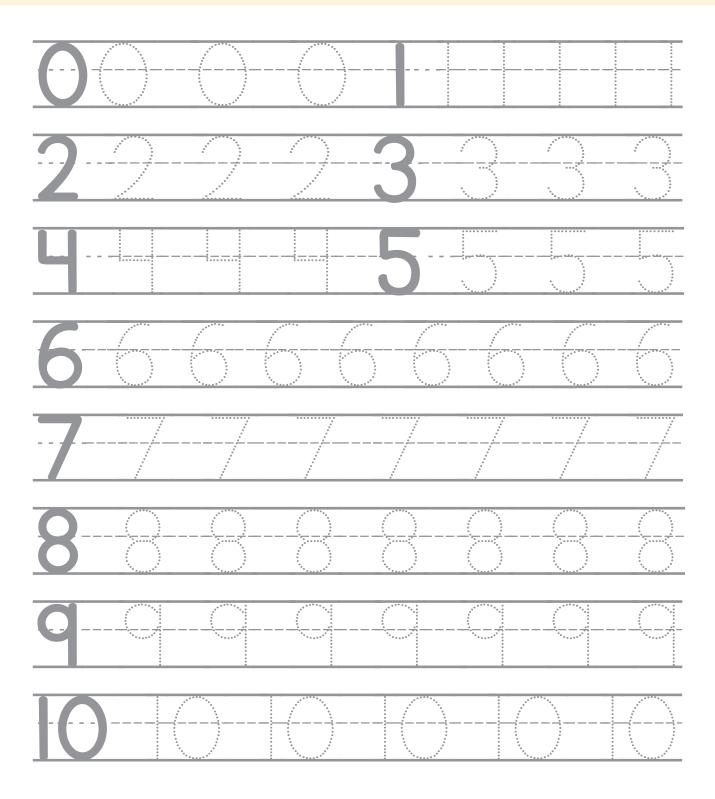
You can see there are two numbers side by side. Ten is written with a 1 and a 0. We call this ten.



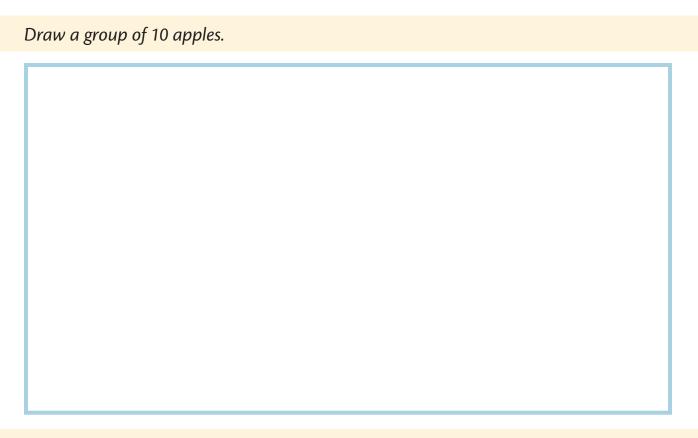
Time to Create and Sing!

Let's sing the song "Five Little Monkeys Jumping on the Bed." But first, make some monkeys by coloring pictures or by making them out of craft dough. Remember, the monkeys in the song got hurt. This is why we don't jump on our beds! If you don't know the song, you can watch video #3 at **Generations.org/kmath**.

Practice writing these numbers too.

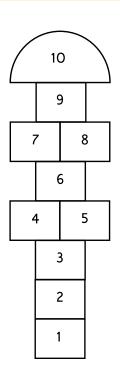


	up of 8 fish.			
raw a gro	up of 9 pieces of c	andy.		



Game Time! Let's play hopscotch!

A parent or teacher can help you draw out a hopscotch course with chalk on your driveway. If you don't have chalk, you can use numbered sheets of paper or cardboard, one laid down for each square. Practice counting as you hop. Try to hop different ways—on one foot, on the other foot, even backward!



10

Practice with God's Numbers From 1 to 10!

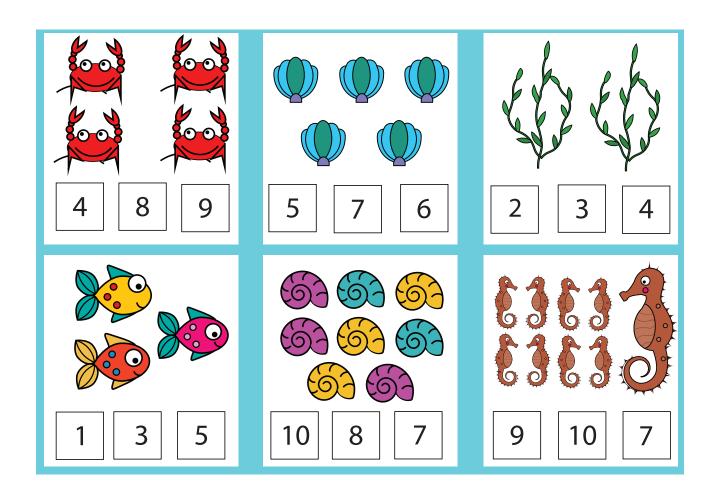


God, help us have fun with math! Help us use math to learn more about what You've created.

Memory Work — Practice counting from 1 to 10, backward and forward.

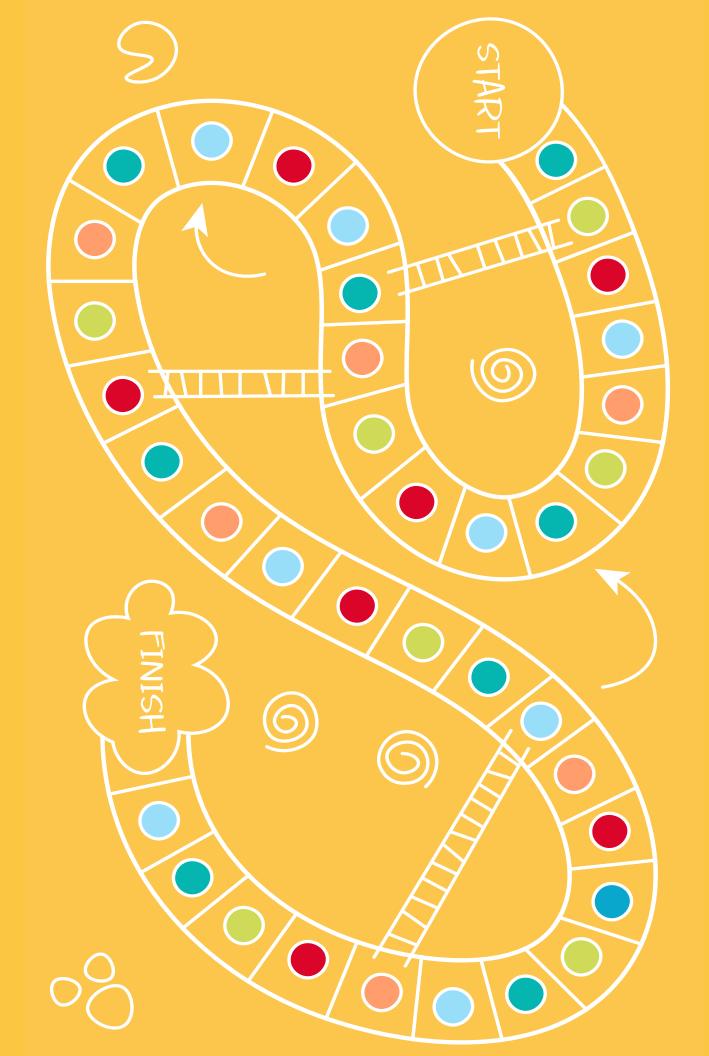
Let's practice our numbers 1 to 10 today!

Circle the right number for each of the following exercises.



Count the objects, and match with the correct number by drawing lines.





Activity

Parent/Teacher: Make a spinner and play a game using it. You may want to use the game board to the left. You can cut out this wheel and glue it to cardboard, then use a brass fastener or pencil point for a pivot and a paperclip for a spinner. Refer to game #2 for a creative way to employ spinners in teaching: **Generations.org/kmath**.





CHAPTER 2

God's Colorful Creation



Primary Colors



Our loving Father, thank You for the beauty around us. You made a colorful world for us to see. Help us to remember that You are the One who painted the sky. Amen.

Memory Work — Practice recognizing primary colors in the home.

He answered and said to them, "When it is evening you say, 'It will be fair weather, for the sky is red.'" (Matthew 16:2)

Isn't God amazing? He created so many beautiful things for us to look at. We see colors all around us.

Primary colors are the only colors that can't be made by mixing other colors. Instead, all other colors are



made by mixing certain primary colors! The primary colors are red, blue, and yellow.

God made many of the beautiful foods we eat primary colors.

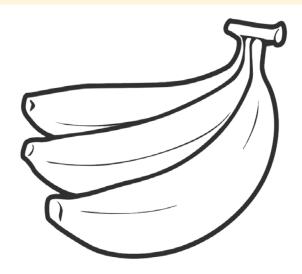






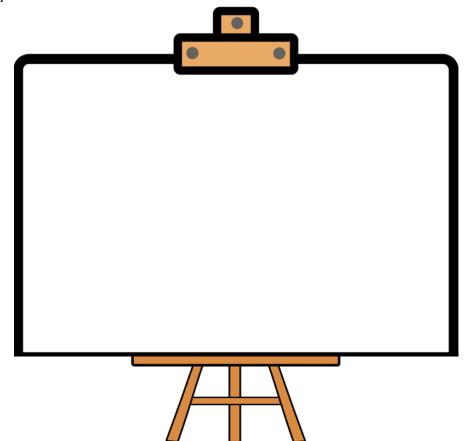


Color the bananas yellow!

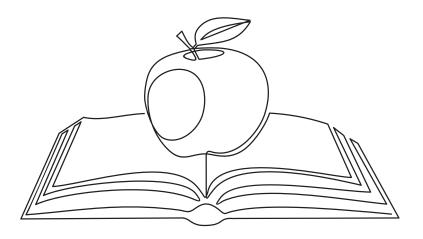


Draw It!

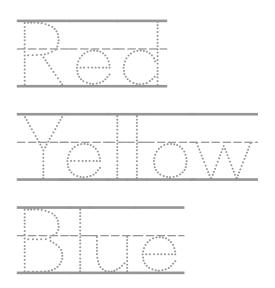
Go outside and draw a picture of something beautiful that God created. Do you see any primary colors?



Color the apple red and the book blue!



Trace the words using the right color.





Count how many!

How many red balls	How many yellow balls	How many blue balls	
do you see?	do you see?	do you see?	



God, thank You for green pastures that feed the animals and give us room to run and play. Amen.

Memory Work — Practice recognizing secondary colors in the home.

God made **secondary colors**. Secondary colors can be made by mixing specific primary colors. See if you can use primary colors of paint or playdough to make these secondary colors:

Mix blue and red to make **purple**. Mix red and yellow to make **orange**. Mix yellow and blue to make **green**.

How many oranges do you see?



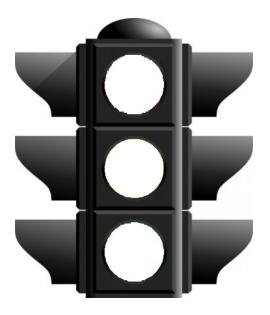




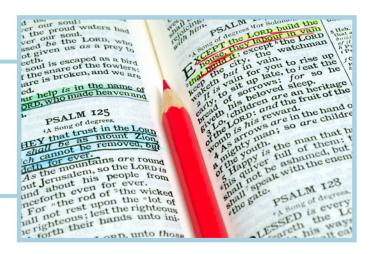
Count the round, green bushes. Do you think they grew this way, or do you think someone is taking care of them?

Color the traffic light.

Color the top circle red. Color the middle circle yellow. Color the bottom circle green. Which colors are primary and which color is secondary?



People often mark their Bibles with colors to bring them back to the verses that they love.

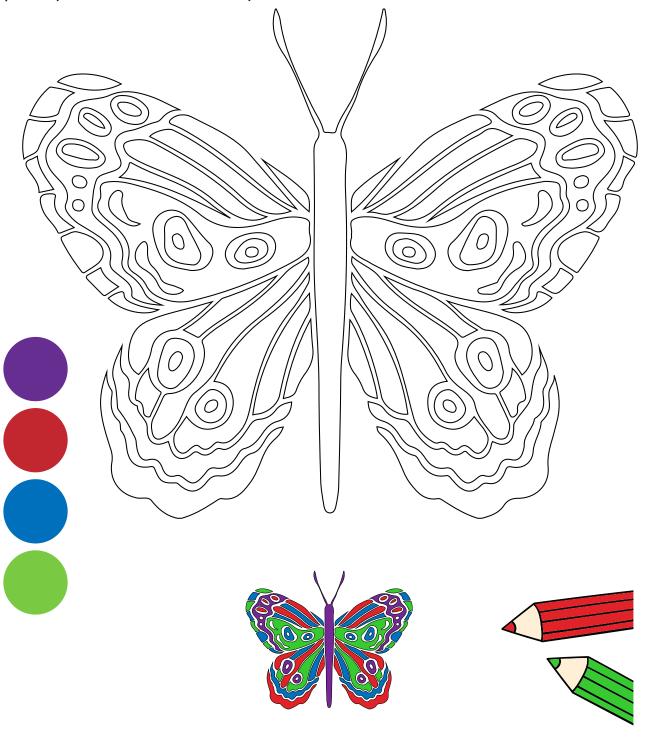


Let's Watch!

Watch video #4 to help you remember what makes primary and secondary colors: **Generations.org/kmath**.

Color the butterfly.

See if you can match the one on the bottom of the page. Can you tell which colors are primary and which are secondary?



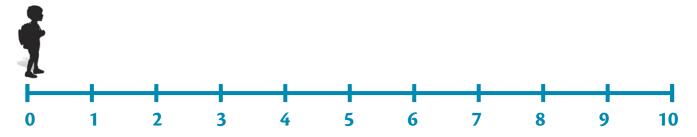
Fun with Number Lines



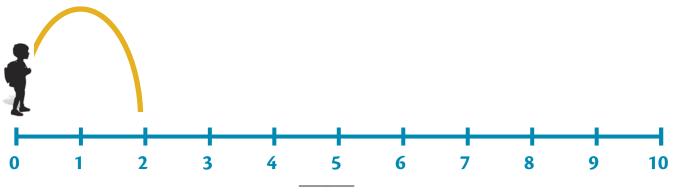
Father God in heaven, it is so good to know more about You every day. Thank You for the gifts You give, including these numbers! Amen.

Memory Work — Practice counting from 1 to 10, forward and backward.

Now that you have learned to count to 10, let's put the numbers on a line! We call this a *number line*. Can you say "number line"?

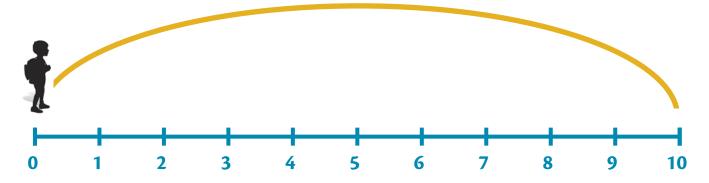


You can see that the numbers are connected. First comes 0. Then comes 1. What comes next? Let's pretend that you are starting at 0 and walking with this little boy along the line!



How many spaces did the boy walk? -----

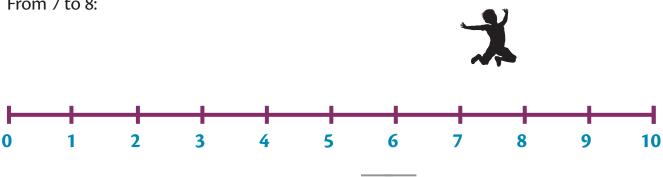
How many spaces do you walk to get to 10? That's right! 10 spaces!



Now, instead of walking along the number line, let's pretend to jump!

Draw a jump of the right length on each number line below. In each box, write the number of number-line spaces the child jumped over.

From 7 to 8:



How long was this jump? How many spaces?

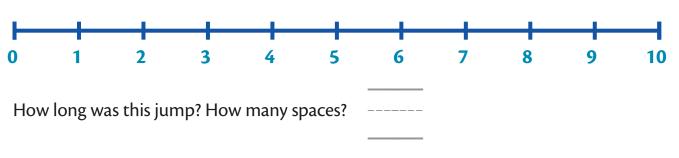
From 0 to 2:



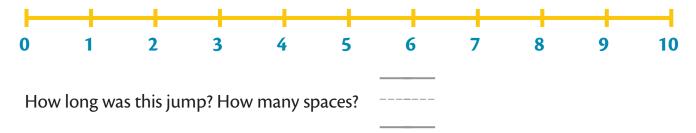
How long was this jump? How many spaces?

CHAPTER 2 | GOD'S COLORFUL CREATION

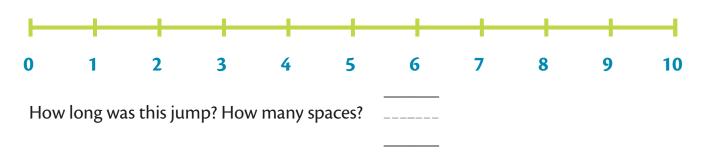
From 2 to 3:



From 1 to 4:



From 3 to 10:



Let's Jump!

Gather some sidewalk chalk and find a sidewalk or driveway. Draw a number line with marks from 0 to 10. Space the marks 1 foot (30 cm) apart.

Try jumping from 0 to 2. Was that easy or hard? Can you jump from 5 to 8? How many spaces would you jump over if you jumped from 5 to 8? Take your biggest jump. How far (how many spaces) did you jump?





God, help me to write numbers so that one day I can copy Scripture.

Memory Work — Practice counting from 1 to 10, forward and backward.

Trace these numbers. Count each of the things next to the chart and draw a line to match the things with their number.

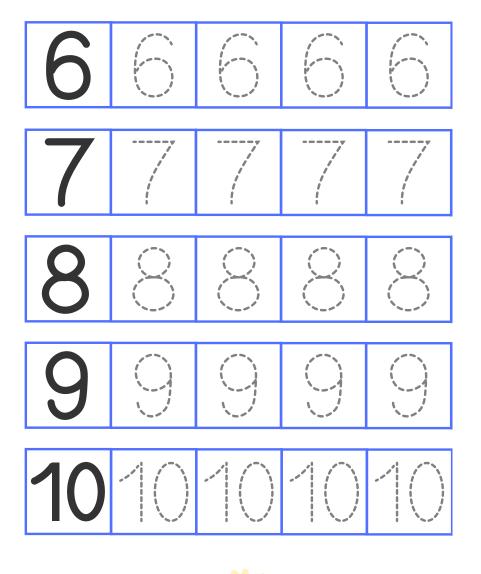
1	, e	, e	,,,,	
2				
3	3	3	3	3
4				
5				







CHAPTER 2 | GOD'S COLORFUL CREATION

















Adding Numbers 0, 1, and 2



Father God in heaven, thank You for adding blessings to me every day. Help me to understand math today! Amen.

Memory Work — Practice counting from 1 to 10 forward and backward.

First, we will read these verses from the Bible. Listen carefully.

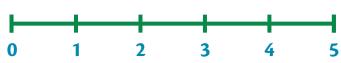
Now Adam knew Eve his wife, and she conceived and bore Cain, saying, "I have gotten a man with the help of the Lord." And again, she bore his brother Abel. Now Abel was a keeper of sheep, and Cain a worker of the ground. (Genesis 4:1-2)

At first there were two people—a man and his wife. Who were they? That's right! Adam and Eve. They were the first daddy and mommy. Then God gave this mommy and daddy two boys. He added the boys. Now how many people were in the family? Can you count the people in this picture? How many boys do you see? How many people are there altogether?



Now, pretend that the numbers on this number line are people. Let's start with 2 people. Put your finger on the 0 and move it to the number 2. Now we'll add 2 little boys. Move your finger 2 more spaces. What number is your finger on? That's how many people there are altogether.

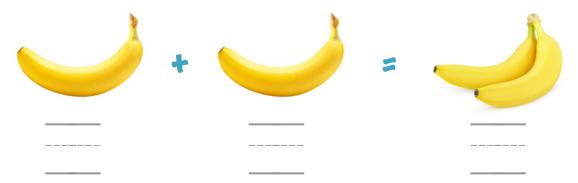
We have moved from 2 to 4 on the number line. There were some people. Then, more people came.



When we put numbers of things together, it's called adding. Can you say "adding"?

CHAPTER 2 | GOD'S COLORFUL CREATION

Adding brings things together to make bigger numbers. Let's add bananas. We will start with 1 banana. You can write the number 1 under one banana. Write another number 1 under the other banana. Now we will bring the bananas together. How many bananas are there together? That's right! You can see that there are now 2!



Do you see the picture between the and the ? When we see , we say the word plus. This means we are adding the two things together. We say it this way: 1 banana plus 1 banana.

Let's say it all together! 1 banana plus 1 banana equals 2 bananas.

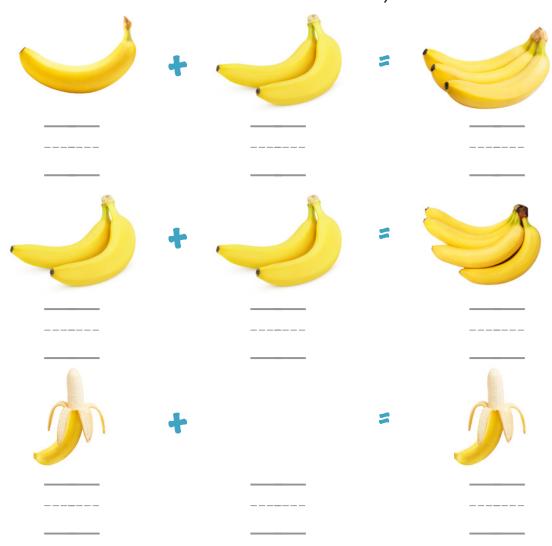
Let's try adding people in a family. We'll start with a daddy and mommy. Then we'll add 2 children. Write the number of people you see under each picture.



We say it this way: 2 people plus 2 people equals 4 people. Now you say it!

Now, try these adding exercises yourself.

Write the number of bananas on the line underneath. Can you write the + and the too?



Let's add some cherries too!

