

Home Math Learning

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Math is all around us, especially at home. This calendar provides different home-based activities to help your child develop and maintain math skills during the summer. Each week focuses on a new concept. Feel free to change activities to suit your family's needs and do them as many times as you like. There is a link to detailed instructions for each activity. Happy math exploring!

JULY 2020

Early Years (K-1)

WEEK 1 NUMBERS

EXTRA PRACTICE

Counting:

Create a counting kit for your child. Include small objects such as buttons, coins, dried macaroni, and any other small objects you have around the house.

29 MONDAY

Hide and Seek Numbers

Hide the numbers 1 to 10 around the home. Have your child find the numbers and place them in order.

[Read detailed instructions here.](#)

1 2 3 4
5 6 7 8
9 10

30 TUESDAY

Search and Find

Go outside. Find and draw the following: 3 items that are brown, 2 items that are rough, 3 items that are smooth, and 1 item that is hard. How many do you have altogether?

[Read detailed instructions here.](#)



01 WEDNESDAY

Egg Me On!

Have your child count the spaces in an egg carton. Cut it down to 10 spaces and fill the empty spots with objects. Have your child tell you how many objects there are each time the number of objects is changed. [Read detailed instructions here.](#)



02 THURSDAY

Cereal Estimation

Have your child estimate how many spoonfuls it will take to finish a bowl of cereal. Count each spoonful as it's eaten.

[Read detailed instructions here.](#)



03 FRIDAY

Neighbourhood Numbers

Go for a walk outside. Have your child point out numbers and number words that they recognize: numbers on houses, signs, or license plates. [Read detailed instructions here.](#)



JULY 2020

Early Years (K-1)

WEEK 2

SHAPES

EXTRA PRACTICE

Shapes:

Recognizing shapes is a math skill related to geometry. Point out rectangles, squares, circles, stars, and other shapes in books, street signs, or when cooking.

06 MONDAY

Shape Pictures

Make a picture using 3 circles, 4 triangles, and a shape with 4 sides. Try the [online picture-maker](#) if you can.

[Read detailed instructions here.](#)



07 TUESDAY

Triangle Time

See how many places you can find triangles today. Do all your triangles look the same? [Read detailed instructions here.](#)



08 WEDNESDAY

Circle Sizes

Find objects with a circle base that can be traced. Trace different sized circle bases and order them from biggest to smallest.

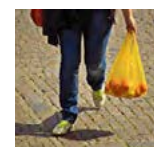
[Read detailed instructions here.](#)



09 THURSDAY

Shapes Bag

Trace shapes onto a cereal box and cut them out. Put the shapes in a bag. Without looking, name and describe the shape by how they feel. [Read detailed instructions here.](#)



10 FRIDAY

Shape Hunt

Look for different shaped objects around your home. Collect the objects and sort them according to their shape.

[Read detailed instructions here.](#)



JULY 2020

Early Years (K-1)

WEEK 3

SORT & CLASSIFY

EXTRA PRACTICE

Sorting:

Ask children to sort objects by how they are alike and different. Look for ways to sort by color, shape, size, and other features when playing with blocks, doing laundry, or setting the table.

13 MONDAY

Coin Sort

Grab a handful of coins. Sort, name & find the value of each coin. *Wash your hands with soapy water afterwards.*

[Read detailed instructions here.](#)



14 TUESDAY

Toy Sort

Gather a collection of toys. Group them so that "like toys" are together. Tell a family member why the toys in each category belong together. [Read detailed instructions here](#)



15 WEDNESDAY

Let's Get Sorting

Have your child gather things (from inside or outside) that they would like to sort into a new collection. Prompt them to think of the best ways to sort and if there are other ways they could sort the collection. [Read detailed instructions here.](#)



16 THURSDAY

Sorting Laundry

Have your child sort the laundry with you. What are some ways you could sort your clothes? What way makes the most sense? [Read detailed instructions here.](#)



17 FRIDAY

Which One Doesn't Belong?

Decide which one doesn't belong with the other three in the picture. Describe your thinking using math words.

[Read detailed instructions here.](#)



JULY 2020

Early Years (K-1)

WEEK 4 PATTERNING

EXTRA PRACTICE

Patterns:

Patterns are things that repeat. Pattern recognition is a foundation for higher math. Singing songs, repeating nursery rhymes, and stringing beads or blocks in simple patterns, such as blue- red, blue- red, build pattern recognition.

20 MONDAY



Pattern Core

Make AB patterns with found objects and “frame the core” by using string. Ask a family member to “frame the core” of your patterns.

[Read detailed instructions here.](#)

21 TUESDAY

Extending Patterns

Draw some simple patterns and have your child extend them. Then let your child draw some patterns for you to extend.

[Read detailed instructions here.](#)



22 WEDNESDAY

Different Patterns

Give your child 6 small objects of one kind and 6 small objects of another kind (i.e., 6 buttons and 6 pennies). Ask your child to see how many different patterns they can make with the two sets of objects. [Read detailed instructions here.](#)



23 THURSDAY

7, 4, 7, 4, 7, 4

Number Pattern

Show your child how to make a simple AB pattern using two different numbers (i.e., 1, 2, 1, 2 or 3, 7, 3, 7). Ask your child to make their own simple pattern using numbers. [Read detailed instructions here.](#)

24 FRIDAY

Make Your Own Exercise Circuit Pattern!

Use three movements (such as Jumping Jacks, Touch your Toes, Hop) to make your pattern. Decide how many times you will do each movement. Repeat your pattern to create your exercise circuit. E.g., 2 Jumping Jacks, 2 Toe Touches, 4 Hops. Repeat! [Read detailed instructions here.](#)



JULY 2020

Early Years (K-1)

WEEK 5 GRAPHING

EXTRA PRACTICE

Graphing:

Talk about the different ways that you can represent objects using graphs- bar graphs, pictographs, line graphs, and circle graphs. Look for opportunities to show your child different types of graphs as represented in social media, newspapers, etc.

27 MONDAY

Survey Says!

Take a walk outside. Do a survey on paper of how many insects, birds, and mammals you see. Find a way to represent your findings visually. [Read detailed instructions here.](#)



28 TUESDAY

Toy Graph

Gather your toys and sort them by colours. Show the number of toys in each colour group by using blocks or drawing a coloured block to represent each toy. What colour of toys do you have the most of? Least of? [Read detailed instructions here.](#)



29 WEDNESDAY

Graphs Are Great!

Brainstorm a survey topic with your child and develop survey choices together. You can use this [survey sheet](#). Give the survey to family or friends (this can be done over the phone or via social media) and represent the findings using a bar graph. [Read detailed instructions here.](#)



30 THURSDAY

Fruit Graph!

Give your child a fruit cup and have them graph the different types of fruit they have in it. What type of fruit was there the most of? The least of? [Read detailed instructions here.](#)



31 FRIDAY

Pets Pictograph!

Make a list of all of the pets that you, your family, and your friends have. Represent each pet with a picture of the type of pet it is. What type of pets are there the most of in your circle of family and friends? The least of? [Read detailed instructions here.](#)

