

KidEx Do-It-Yourself National Challenge 2020

Activity description and self-learning manual

Activity: Count backward from 15 to 1 | Cognitive Development | 4 years

Skill development milestone

The child can state first and last name, gender, siblings' names, and sometimes own telephone number. They can name some colors, numbers and understand idea of counting. They may rote count to 20 or more. He/she understand the concepts of "tallest," "biggest," "same," and "more"; they can identify the picture that has the "most houses" or the "biggest dogs."

The child knows some upper and lowercase letters and understands that letters stand for sounds ("B makes the buh sound"). They also start to copy capital letters. They can answer questions like "Whose?", "Who?", "Why?", and "How many?"

They start to understand time. The child understands the sequence of daily events: "When we get up in the morning, we get dressed, have breakfast, brush our teeth, and go to school." They can also listen to details and retell a story.

They can play board or card games now. They interact with and learn about the world through play activities.

Activity Description

The child is required to orally count backwards from 15 to 1.

You should yourself count in front of the child & encourage the child to repeat after you. Once the child starts memorizing and repeating after you, help them associate the said number to that number of fingers (or other objects). Once the child has become comfortable with guessing the number correctly by the number of objects, encourage the child to count various objects and say the correct numbers by self rather than counting yourself.

They can then begin counting backwards out loud. Numbers written on a paper can be read out loud from 15 to 1 for the child to learn and memorize the count backwards.

Do this exercise as playing session with the child for a few days. You can help the child by playing games like asking the child which number comes before and after a certain number. For example, when you say 14 the child needs to say 13 and 15. You can also draw a number line on the floor with chalk and the child can hop back from 15 to 1 while counting backwards. Whenever you think the child is ready, record a video of the child counting backwards from 15 to 1.

The video should be submitted as an entry as per submission guidelines. You may share the video with family, relatives & close friends as desired by you. Or post the videos on social media, if you wish, with the hash tag #KidExDIYChallenge or #KidExDIYNationalChallenge.

Submission guidelines

1. You have to send child's 1 video counting backwards from 1 to 15
2. Keep the total file size less than 20 MB
 - a. Higher resolution camera creates large size video files
 - b. Android users can install & use Camera MX player to record smaller size video files
 - i. Camera MX player can be downloaded from [here](#)
 - c. Iphone users should change resolution setting by going to Settings -> Camera & selecting lowest resolution from "Record Video" option
3. You can upload the files(s) at <https://www.kid-ex.com/diy-nc> (if total file size > 20 MB)
4. You can mail the file(s) to us at info@kid-ex.com (if total file size < 20 MB)
5. Please mention child's name, registered contact number & activity number in mail subject while submitting the file (Example: Veehan Saraf, 9654138862, Activity 1)

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6. Kindly ensure you have registered for the event for us to assess the submission. If not registered, please visit <https://www.kid-ex.com/diy-reg> to register. New registrations allowed till 15th May.

Self-learning manual

Common mistake and things to keep in mind in this activity are:

1. Counting out loud is important to learn the correct pronunciation and for better retention.
2. Establish that numbers are quantities so learning them has value.
3. For visual recall and recollection, incorporate small activities like asking your child to give you 2 *Chapaatis* in routine life so that the child doesn't consider counting and numbers as purely academic with no real-life application
4. Forward counting needs to be mastered to learn backward counting
5. The child should not be afraid to make mistakes. They should not feel discouraged.
6. Child may naturally pick a few numbers but miss one or two numbers e.g. 3 or 4, let the process not be compromised for those numbers and continue to be patient with the kid
7. Child is not in the right mindset while learning. They will learn and enjoy the process if they're in a happy mood.

Key coaching tip to excel in this exercise is that first introduce the child counting numbers. You can count the numbers out loud and count with your fingers as you do so. This will create an audio-visual memory for the child to remember. You can use markers to write the numbers down or show them in a chart for visual recall. You can help the child understand numbers by counting objects in your environment and daily lives. Encourage the child to practice counting many times. You can do that by simply asking the child to count orally and show fingers on own. You can quiz them by asking to guess the number of toys or fingers randomly and not just in the order that they have learned.

Once the child has mastered counting forward then they can count backwards. You can hold up fingers and put them down as they count backwards. Another way is to walk backwards as you count backwards. The child will say a number for every step they take back.

Key benefits of this exercise are:

1. It is the foundation of strengthening mathematical cognitive skills
2. Mathematics helps children makes sense of the world around them
3. Counting backwards can help children understand numbers in relation to other numbers
4. It develops decision making and problem-solving abilities
5. It will help the child in school because is a precursor to learning more mathematical concepts like measurement, sequencing, comparing quantities, tables and many more

Entry evaluation guidelines

The maximum point for this activity is 10. Every entry would be rated as either:

1. Master (M): 100% score
 - a. The child can count backward from 15 to 1 in correct sequence within 30 seconds.
2. Intermediate (I): 80% score
 - a. The child can count backward from 10 to 1 in correct sequence within 20 seconds.
3. Beginner (B): 50% score
 - a. The child can count backward from 5 to 1 in correct sequence within 15 seconds.
4. Not applicable (NA): 0% score
 - a. All other submission cases.
 - b. No submission.

For any queries, you may Whatsapp us at +91-7303755886 or email us at info@kid-ex.com.

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About KidEx

KidEx is a company founded by Kapish Saraf & Amritanshu Kumar (IIT Kharagpur & IIM Calcutta alumnus). KidEx aims to create a platform to enable holistic & comprehensive development of every child by partnering with their parents in a logistically convenient manner for the parents. KidEx offers multiple extra-curricular activity classes for kids in physical & digital form (basis screen time guidelines) to enable child's holistic development. Live classes include: Chess, Arts, Mandarin, Spanish, French, German, Guitar, Movie-Making. Upcoming classes include: Academics, Robotics, Coding, Dramatics, multiple Dance & Music, Social Etiquette etc. KidEx will offer all learning solutions to parents under one umbrella. KidEx would soon launch a suite of digital products aimed at making child-raising easier & more fun for parents.

About KidEx Do-It-Yourself National Challenge

The event is an effort to spread awareness regarding need for all rounded development of the child. This is also, designed keeping in mind the current external scenarios where lockdown/no lockdown, social distancing practices would continue & schools/colleges might be shut for a few months which would require parents to find non-screen time learning opportunities for the child while demanding lesser time for parents allowing them some breathing space for themselves.

The event is open to all Indian citizens in India or abroad across age groups of 3 to 17 years. Basis the submitted entries, for every age, a leader board would be created & declared.

Prizes & certificates

We will conduct two versions of the event for all interested parents. Parents can decide whether they want their child to participate in the paid version or the free version of the event. Entry charge for paid version of the event is INR 500 for every child.

Paid version participants would be eligible for:

1. Prizes for winners across all age category
 - a. Number of winners linked to number of paid version participants
 - b. 50% of registration fees to be distributed as prize to winners
2. Winner & participation certificates
3. Assessment score for every submitted entry & leader board position summary

Free version participants would be eligible for:

1. Assessment score for every submitted entry

Even participants interested in paid version would be required to pay the amount after 7th May allowing them opportunity to participate first & then, decide.