

# The Math Development Growth Chart: Ages 4-8



Do you know what your child should be learning in math? When parents know what to expect at each developmental stage, they can provide activities to further their child's learning!

## Math learning at each age

## Things to do at home

# 8

- At eight, children can think more logically to solve problems.
- Children understand subtraction as the inverse of addition.



- Eight year olds like strategy games like checkers, chess, Monopoly, and Clue.
- Help her develop confidence. Instead of just correcting a wrong answer, focus on the process to help her become an autonomous learner.

# 7

- As seven-year-olds better understand space and quantity, a broader range of mathematical ideas become more accessible.
- They have a repertoire of basic addition and subtraction combinations.



- Help him develop his reasoning ability. If he knows that 4 quarters is 1 dollar, can he figure out what 6 quarters is?
- Prepare for multiplication by thinking in groups. Ask "how many fingers do five people have?"

# 6

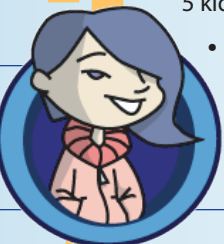
- A six year old knows that 6 can be 5 and 1, or 3 and 3. And he knows that all sets of 6, no matter what objects, are equivalent.
- He understands that "nothing" is represented by 0, and that any number can be written with the digits 0-9.



- Dice, cards, and board games can help your child learn addition combinations.
- Count 8 pennies, then hide 4. Ask "How many are hidden?"

# 5

- Five year olds can determine 1-to-1 correspondence — 5 kids need 5 pencils.
- Once she can count on, she may know which set is more and may sequence sets from smallest to largest.



- To think about the permanence of a set, put 6 pennies in a row, then change the arrangement. Ask "did the quantity change?"
- Five year olds love repetition. Clapping patterns help him discover sequences and predict what comes next.

# 4

- A four year old may easily compare sets and know which has more, but may not know how many he has.
- He may struggle to count each object only once, and to name the number for each object.



- Watch your child play to understand her mathematical knowledge. When she counts, does she touch each object once? Is her voice in sync with her tag?
- When walking, collect objects she likes. At home count and sort this collection in different ways.

Want to learn more? Get more information and tips at [www.dreambox.com/growth\\_chart](http://www.dreambox.com/growth_chart)

DreamBox Learning Math is an online math game for elementary students that teaches an in-depth curriculum in a fun and completely individualized experience!



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