



Breaking Down Numbers 6-10

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An essential skill for preschool children to learn is composing and decomposing numbers through 10. What that means is they are able to look at a series of objects arranged in different ways and determine the number of objects. Another part of this essential math skill is “building a number by showing 2 smaller digits that compose it.

One of the most engaging and fun ways to help your child gain understanding of this concept is by making it hands-on and concrete. When the abstract idea of numbers is first learned—and even later on—it is best to work out examples with real objects before practicing with paper. A fun way to explore composing and decomposing numbers is with Lego blocks or any other type of building toy. Kids love Lego, and building different structures of the number 7, for example, is easier when the blocks interlock. Basically, children need the understanding that they won’t always be counting things in a straight line or a perfect row. The idea that 7 means 7 no matter how it looks is greatly important for mathematical success as your child learns more.

Kids Academy provides a library of ready-made learning resources to help extend your child’s thinking to paper once a concept has been explored hands-on.

Make 6

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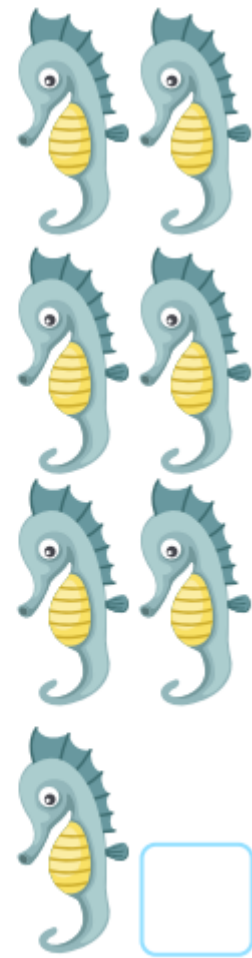
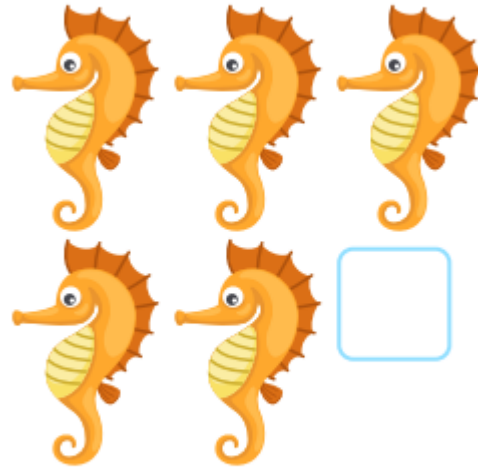
Circle the groups that make 6.

The worksheet contains six groups of snowballs for counting: a 2x3 grid (6), a 2x2 grid with one extra ball (5), a triangle of 6 balls (6), a 2x3 grid with one extra ball (7), a 2x2 grid (4), and a 2x2 grid (4).

The snowman [resource](#) above can be helpful all year when practicing composing numbers. Have your child count the different piles of snowballs to determine which ones contain 6. They should circle the piles of 6 they find. Then, you could ask them to build six with their Lego blocks.

FIND 7

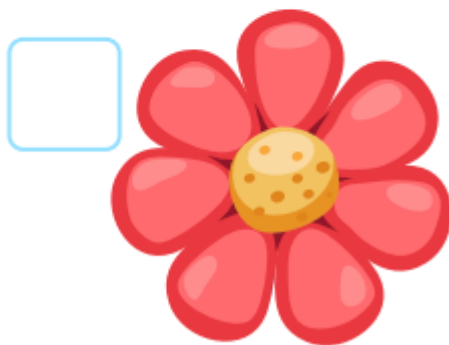
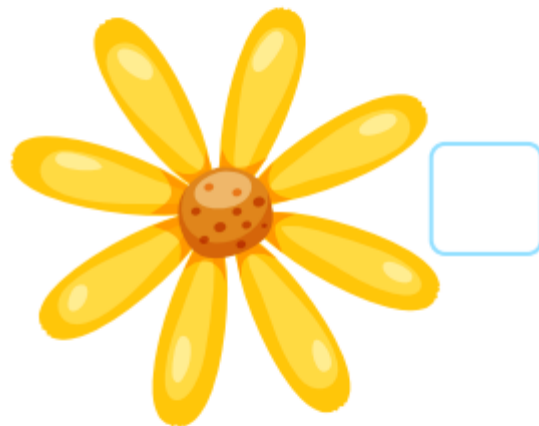
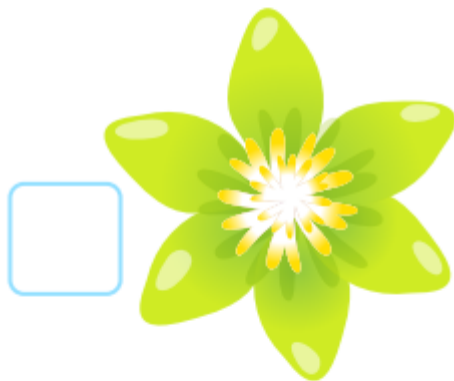
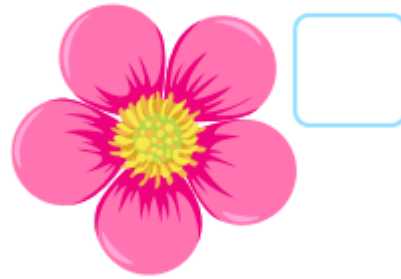
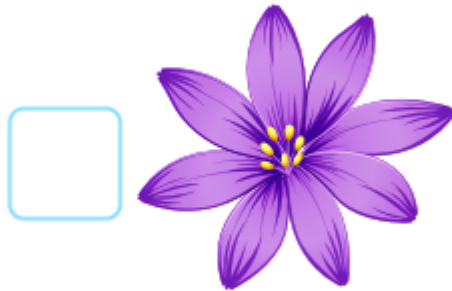
Check the box next to the groups that have 7 seahorses.



Another [resource](#) you can find when you search the Kids Academy library of activities for preschool is this sheet which arranges groups of fun seahorses rather than easier objects to count, like circles or blocks. Again, have your young child count the groups and circle the ones that show 7. Then, they can build the number in a concrete way for you with blocks.

8 Petals

Check the flowers that have 8 petals.



Colorful petals can be counted too! This [worksheet](#) exposes learners to all kinds of different ways to explore number concepts. Understanding that 8 can look different, but still represent the same value is something this worksheet presents really well. It also asks your preschooler to practice those fine motor writing skills by placing a checkmark next to the flowers that have 8 petals. Have them show you 8 tally marks next to the flowers for added number composition practice.

10 DIMES



Check the groups that have **10** dimes.



Find more guided lessons on early number sense and other topics in our interactive catalogue!

