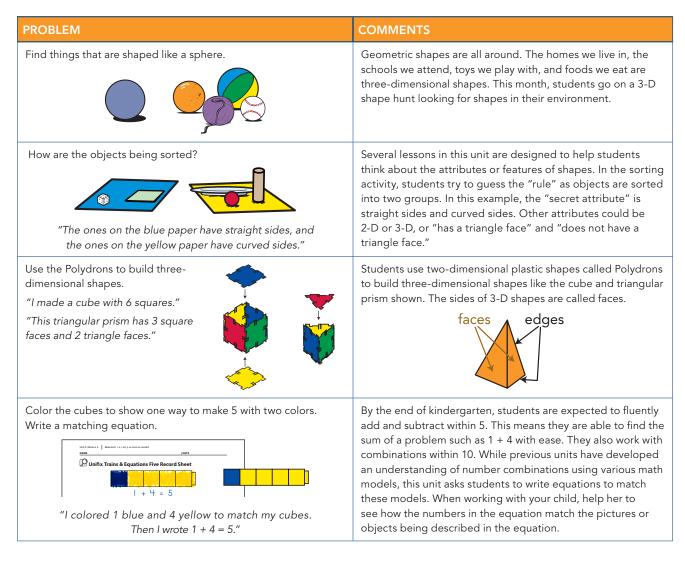
Bridges in Mathematics Kindergarten Unit 6

Three-Dimensional Shapes & Numbers Beyond Ten

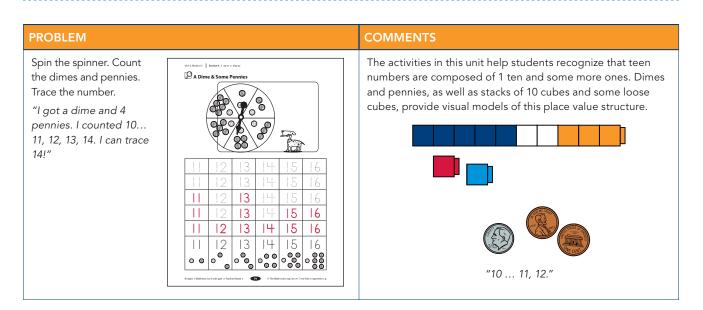
In this unit your child will:

- Identify, name, and describe objects in the environment using the names of shapes
- Explore the difference between two-dimensional (flat) and three-dimensional (solid) shapes
- Build three-dimensional shapes
- Understand the numbers from 11 to 20 as "10 and some more"
- Solve number combinations within 10





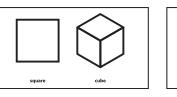
Kindergarten Unit 6: Three-Dimensional Shapes & Numbers Beyond Ten

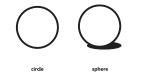


FREQUENTLY ASKED QUESTIONS ABOUT UNIT 6

Q: My child calls 3-D objects by 2-D names. Why is this, and how can I help?

A: Children are generally taught the names of twodimensional shapes in their preschool years. When looking at 3-D items, young children are likely to talk about the faces of the objects, and will most likely refer to the sphere and cylinder as circles, the cube as a square, and so on. Help your child recognize the





similarities and differences. For example, a square is a rectangle with equal side lengths, and it is flat. A cube is a rectangular prism with equal edge lengths, and it is solid. Learning the correct terms consistently both models the language of geometry accurately and avoids future misconceptions.

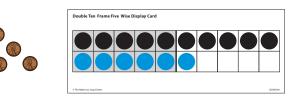
Q: I can't remember what so many of the geometry words mean. Where can I go for help?

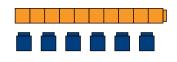
A: There are many words that we use specifically in geometry class. These words are important because they let us name shapes and talk about them in precise ways. See the list from Unit 5 for a refresher.

Q: My child has a hard time remembering the names of the teen numbers and writing them correctly. Why is this?

A: The teen numbers confuse many young children. The names do not follow the rules of other 2-digit numbers. Forty-six sounds and looks like 46, yet 16 is read as "sixteen" rather than "tenty-six." Likewise, thirteen sounds very similar to thirty, as does fourteen to forty, fifteen to fifty, and so forth. Adding to the confusion is the fact that the words for numbers 11 and 12 sound nothing like other teen number names.

Even when young students learn to name and recognize the teen numbers, they may confuse the quantity that the symbols represent. These lessons help students recognize that teen numbers are composed of 1 ten and some more ones. For example, 16 is made of 10 + 6, as shown in the models used in this unit.





Students will also learn that numbers in the twenties are composed of 2 tens and some more ones, and so on. Understanding this structure of numbers is the beginning of learning about place value (the value of each digit in a number depends on its place in the number).