

Unit 4 Summary



Time Frame: 15 days

The children will explore shapes in their environment and learn that large shapes can be created from smaller shapes. They will learn graphing as a way to organize and interpret information, and use positional words to express the location of objects. The children will be introduced to greater than, less than, and equal through coin recognition (penny, nickel, and dime) and by creating and comparing sets. Unit 4 also focuses on the use of ten-frames as a strategy for solving story problems and equations, and for practicing one-to-one correspondence.

Essential Questions

(K.CC.C.6) How can we tell that one group has more than, less than, or the same amount as another group?

(K.CC.C.6) How can we use a ten-frame to compare numbers?

(K.OA.A.1) What happens when we combine groups and what happens when we take groups apart?

(K.G.A.1) How are shapes important, how are they used in our environment, and how can we tell where they are?

(K.G.B.6) How can building shapes help us better to understand the characteristics of a shape?

(Starfall.M.1) How can knowing the name and value of coins help us in the real world?

(Starfall.MD.2) How can we use graphs to understand information and answer questions?

Enduring Understandings

Shapes help us make sense of our environment.

We collect and use data to help us answer questions and make decisions.

Sets of objects can be grouped and counted so that we can compare them in terms of greater than, less than, and equal to.

The quantity of things can be represented in a variety of ways (e.g. Money).

Adding is putting groups together and making more; subtracting is taking groups apart and making less.

Vocabulary

The children will be introduced to these vocabulary words. Mastery is not expected at this time.

Above	Five-frame	Most	Tails
Bank	Graph	Next to	Toss
Beside	Greater than	Nickel	Venn diagram
Between	Heads	Penny	
Cent	In front of	Positional	
Coins	Least	President	
Dime	Less than	Probability	

Recommended Literature

Museum Shapes by The (NY) Metropolitan Museum of Art

Shape by David Goodman

The Greedy Triangle by Marilyn Burns and Gordon Silveria

Round Is a Tortilla: A Book of Shapes by Roseanne Greenfield Thong and John Parra

Pennies (Welcome Books: Money Matters) by Mary Hill

Nickels (Welcome Books: Money Matters) by Mary Hill

Dimes (Welcome Books: Money Matters) by Mary Hill

A Chair for My Mother by Vera B. Williams