

GRADE FOUR – CONTENT STANDARD #1, 10

ACTIVITY D

Permission Granted

MAKING CHANGE

Kia and her brother, Max, wanted to buy gumballs from the machine in the grocery store, but all they had was a quarter, which the machine would not take.

“Could we please have change for this quarter?” they asked the clerk. The clerk, tired of making change for the kids, made them an offer instead.

“If you can tell me in how many ways change can be made for a quarter,” he chuckled, “I’ll give you each a *free* gumball!”

Help Kia and Max get a free gumball. What should they tell the clerk?

Show your work here.

What if you were challenged to find all the ways to make change for one dollar? What are all the ways to do that?

[Adapted from: Historical Connections in Mathematics, Vol. II, ©1993 AIMS Education Foundation, pg. 30, <http://www.AIMSedu.org>]

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