

Creative Problem Solving Activity

JAKE'S BEST FRIEND, MARIE, LIVES ON THE OTHER SIDE OF THE VALLEY.

JAKE DOESN'T GO TO HER HOUSE VERY OFTEN, BECAUSE OF SEVEN GREEDY CHOCOLATE-EATING TROLLS. EACH TROLL GUARDS ONE OF THE SEVEN BRIDGES THAT JAKE NEEDS TO CROSS TO REACH MARIE'S HOUSE.

THE TROLLS WON'T LET HIM CROSS UNLESS HE PAYS A FEE, OR TOLL – IN CHOCOLATE. JAKE HAS TO GIVE EACH TROLL HALF OF THE NUMBER OF CHOCOLATE BARS HE IS CARRYING.

HOWEVER, EVEN THOUGH THE TROLLS ARE GREEDY CHOCOLATE-EATERS, THEY AREN'T MEAN, SO EACH TROLL ALWAYS GIVES BACK ONE BAR. JAKE HAS FIGURED OUT EXACTLY HOW MANY BARS HE NEEDS TO TAKE WITH HIM TO BE ABLE TO PAY THE SEVEN TROLL TOLLS, AND HAVE TWO BARS LEFT OVER – ONE FOR HIMSELF AND ONE FOR MARIE.

HOW MANY BARS MUST JAKE TAKE WITH HIM?

Homemade ice cream, anyone?

A TASTY SCIENCE EXPERIMENT THAT ENDS WITH HOMEMADE ICE CREAM!



TRY IT OUT HERE:

**[HTTPS://WWW.STEVESPANGLERS
SCIENCE.COM/LAB/EXPERI
MENTS/BROWN-SUGAR-
HOMEMADE-ICE-CREAM/](https://www.stevespanglerscience.com/lab/experiments/brown-sugar-homemade-ice-cream/)**

**DO YOU KNOW WHAT A
POLYGLOT IS?
CAN YOU BECOME A POLYGLOT
IN A MATTER OF DAYS?**



**LEARN TO COUNT TO 10 IN 10
DIFFERENT LANGUAGES OF
YOUR CHOICE. SHARE WHAT
YOU LEARNED WITH THREE
PEOPLE YOU KNOW.**

**Bilingual,
trilingual,
multilingual?**