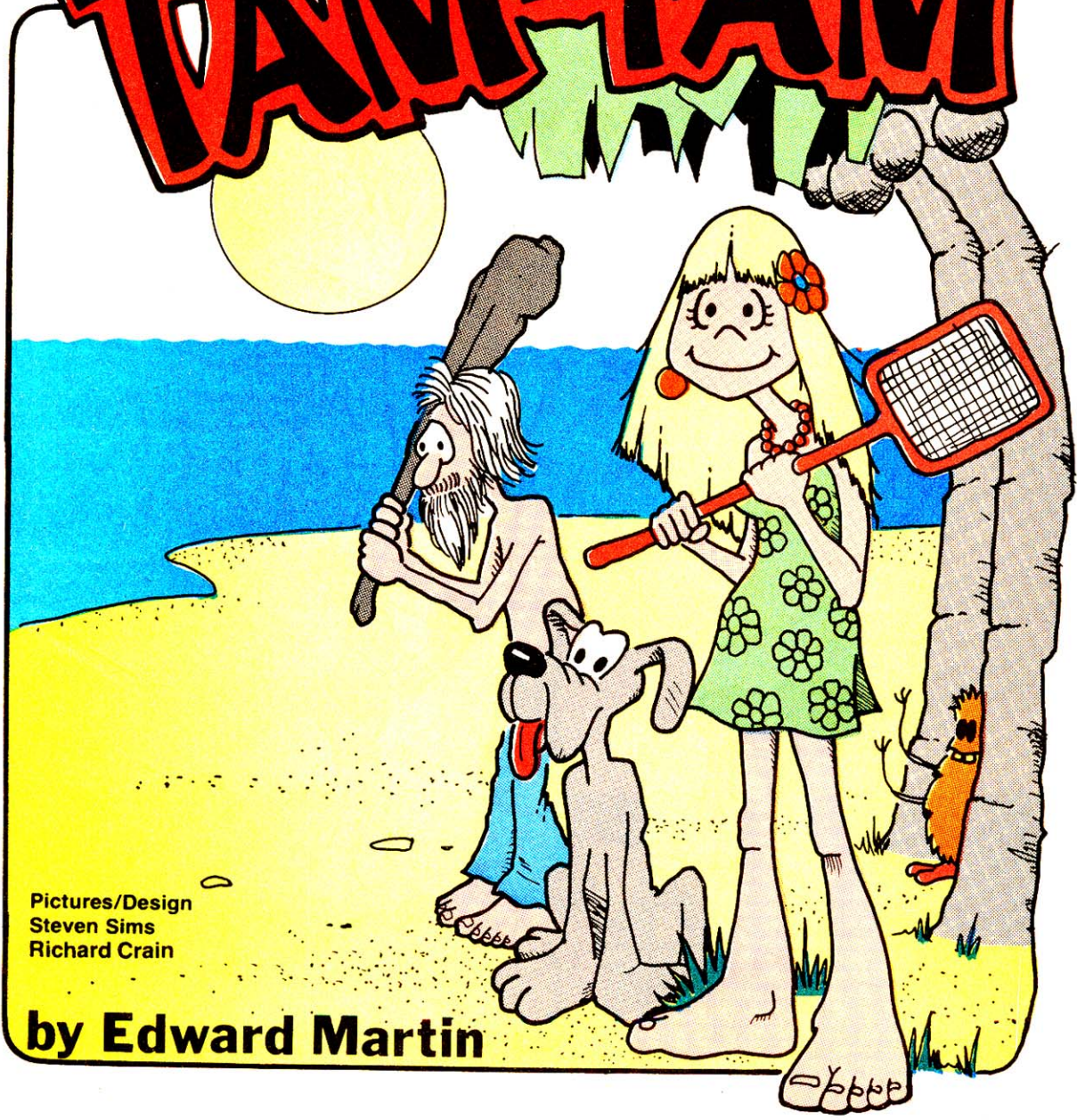


The Island Of

Copyright ©
The CSMP Library
Math Story-Workbooks

83-86633

TAM-TAM



Pictures/Design
Steven Sims
Richard Crain

by Edward Martin

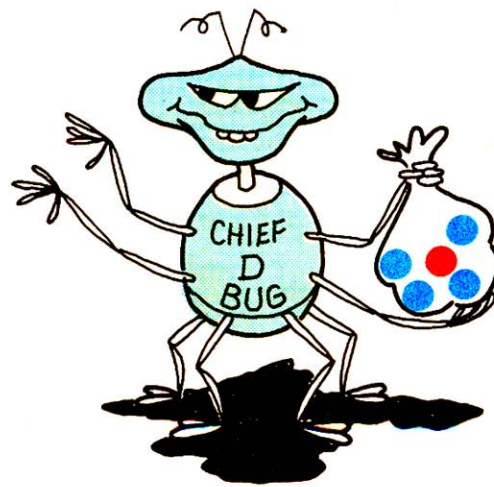
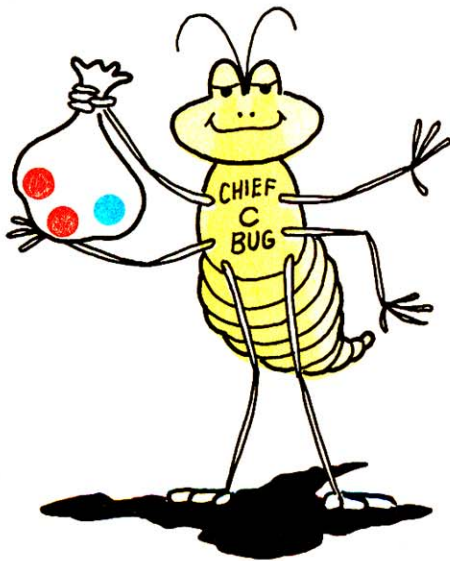
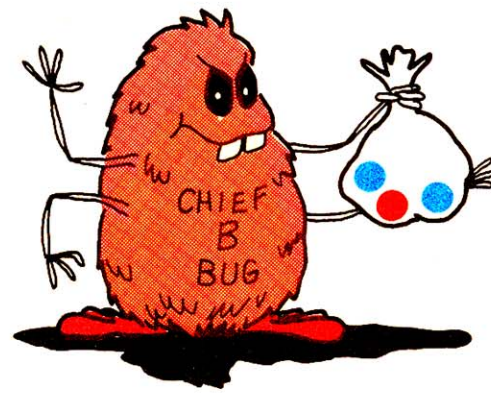
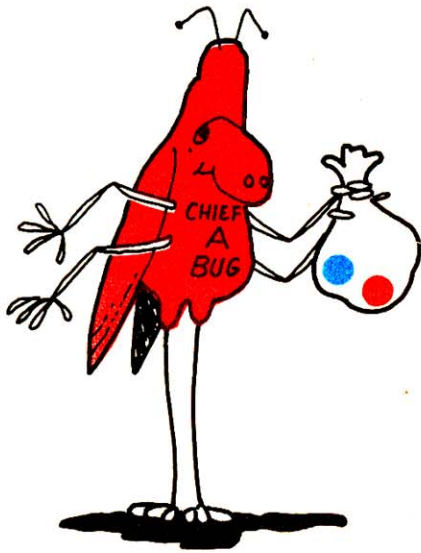
Tam-Tam is an island in the South Pacific Ocean. The sun shines all year round on Tam-Tam. The sea is warm and there are not many sharks.

Life is pleasant. The people spend part of their time growing coconuts and part of their time enjoying them.



However, Tam-Tam has a bug problem. There are A-bugs, B-bugs, C-bugs, and D-bugs. The bugs like to eat the leaves of young coconut trees and that destroys the trees.

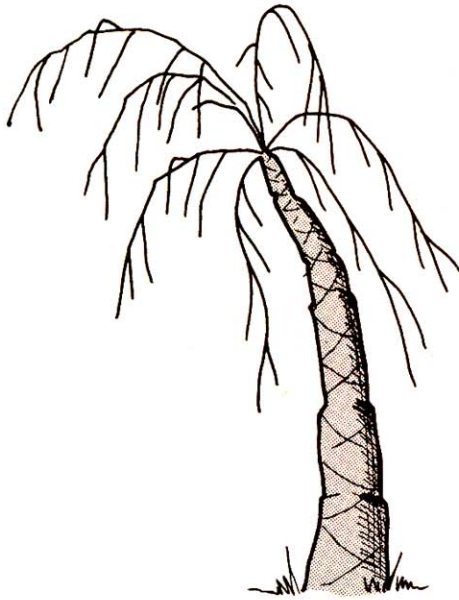
Each type of bug has a chief who carries a bag containing some red marbles and some blue marbles.



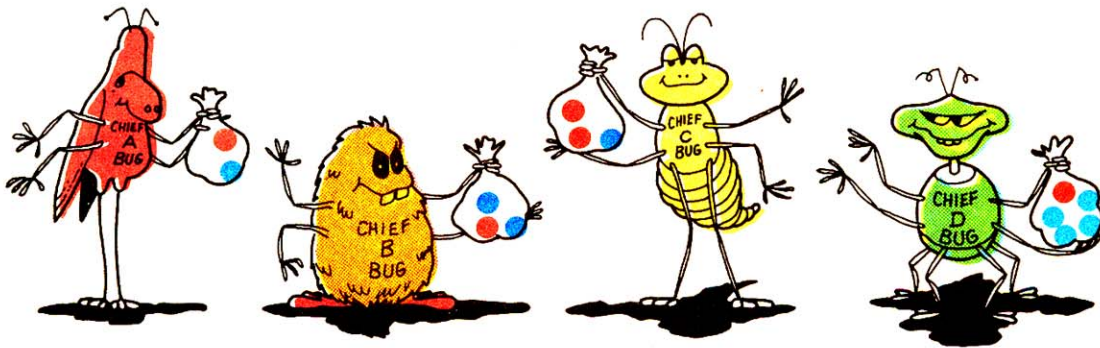
When bugs of any type arrive at a tree , their chief takes a marble from the bag.

If it is RED , the bugs eat all the leaves of the tree .

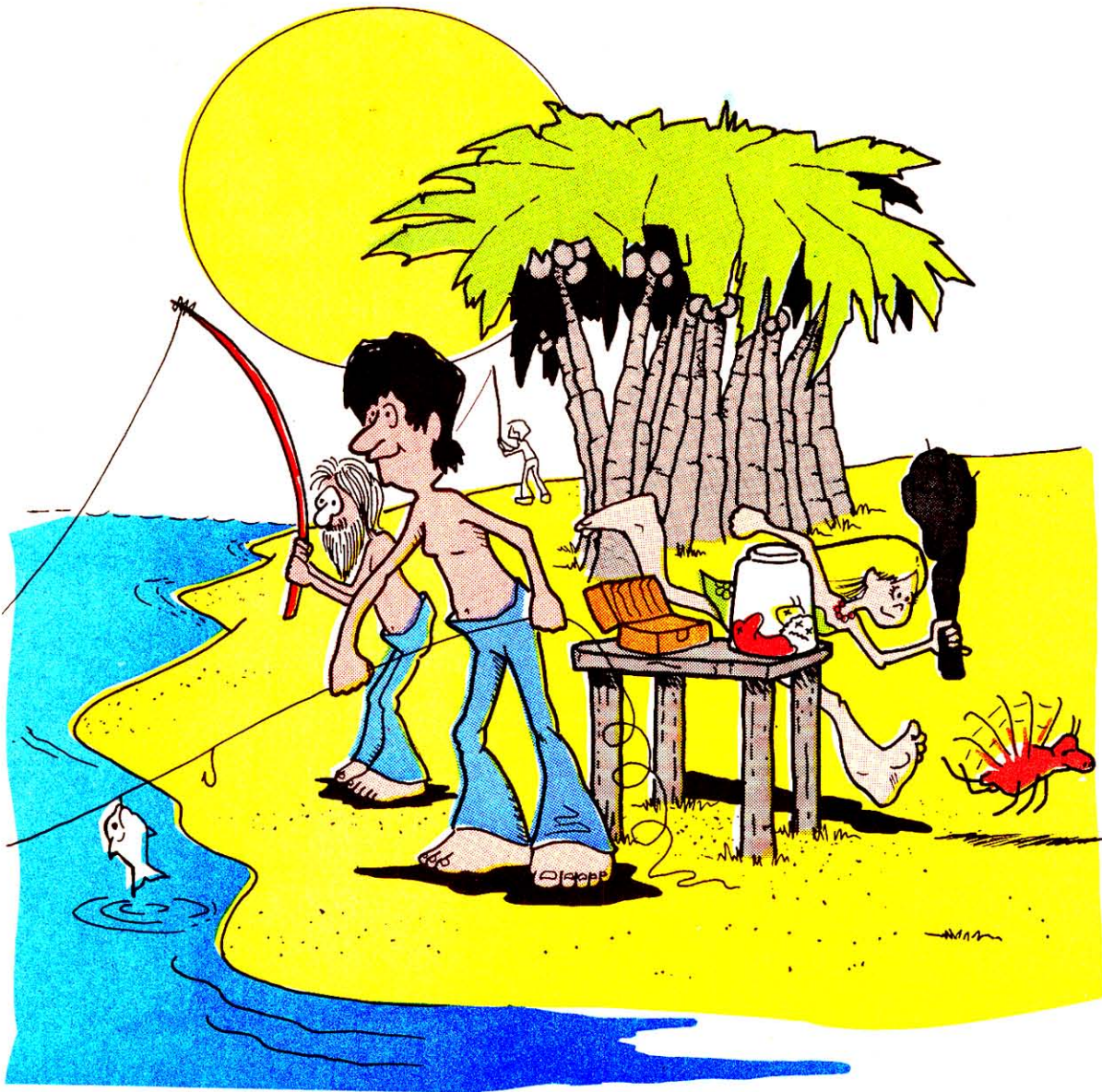
If it is BLUE , the bugs pass by the tree without eating any leaves .



WHICH TYPE OF BUG WOULD YOU EXPECT TO BE MOST HARMFUL TO A GROVE OF YOUNG COCONUT TREES ?



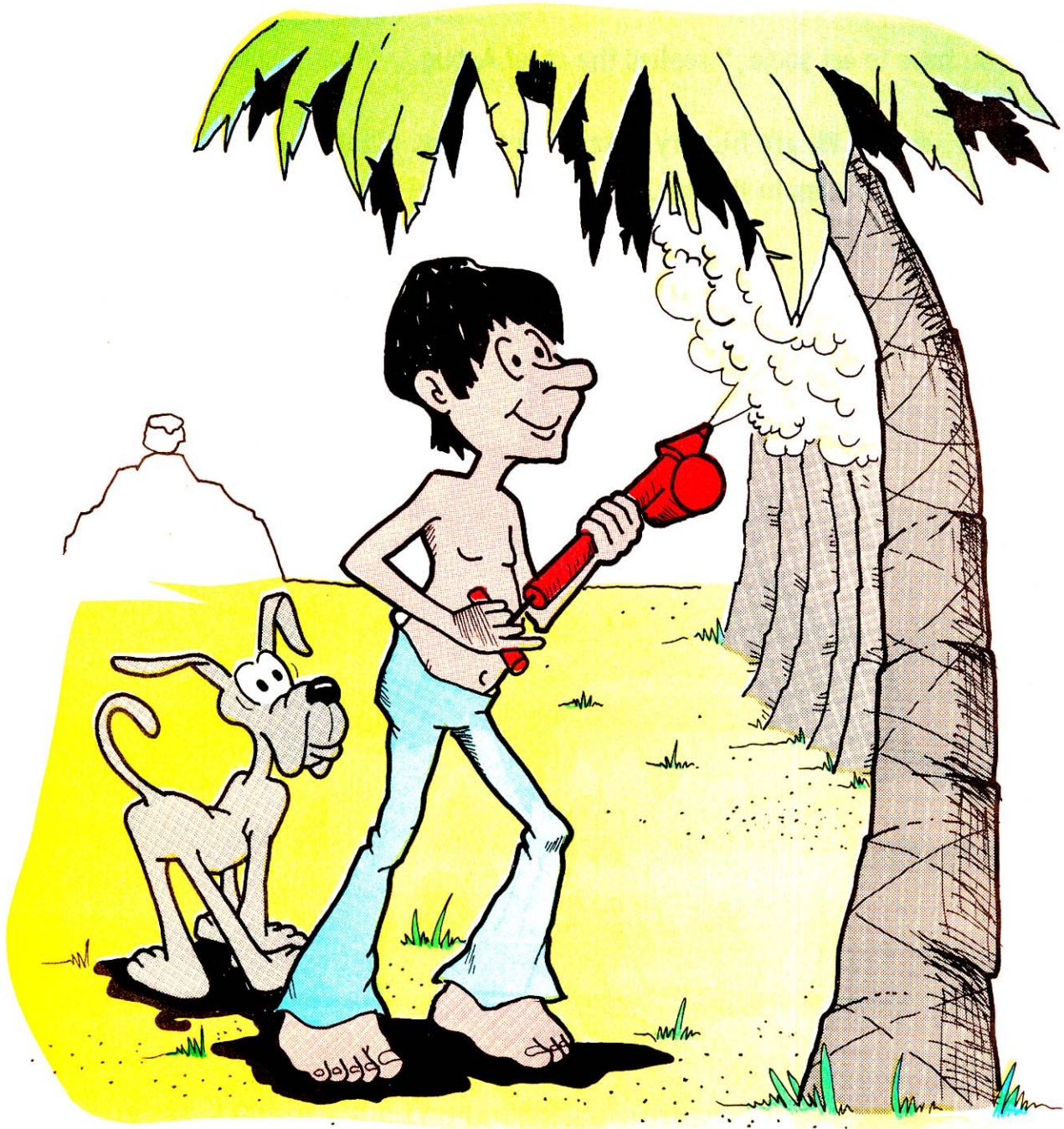
The Tam-Tam Islanders also like to fish. Some people spend most of their time on the beach fishing. They found that bugs make very good bait.



One day Mr. Tamba made a discovery!
He was cooking fish for dinner and the bugs stayed far away.
Perhaps they did not like the smell of fish.
To test his guess that bugs would stay away from fishy smells, Mr. Tamba
saved the broth from cooked fish.



Then he sprayed his young coconut trees with the broth. "We'll see what happens when the bugs get here," he thought.



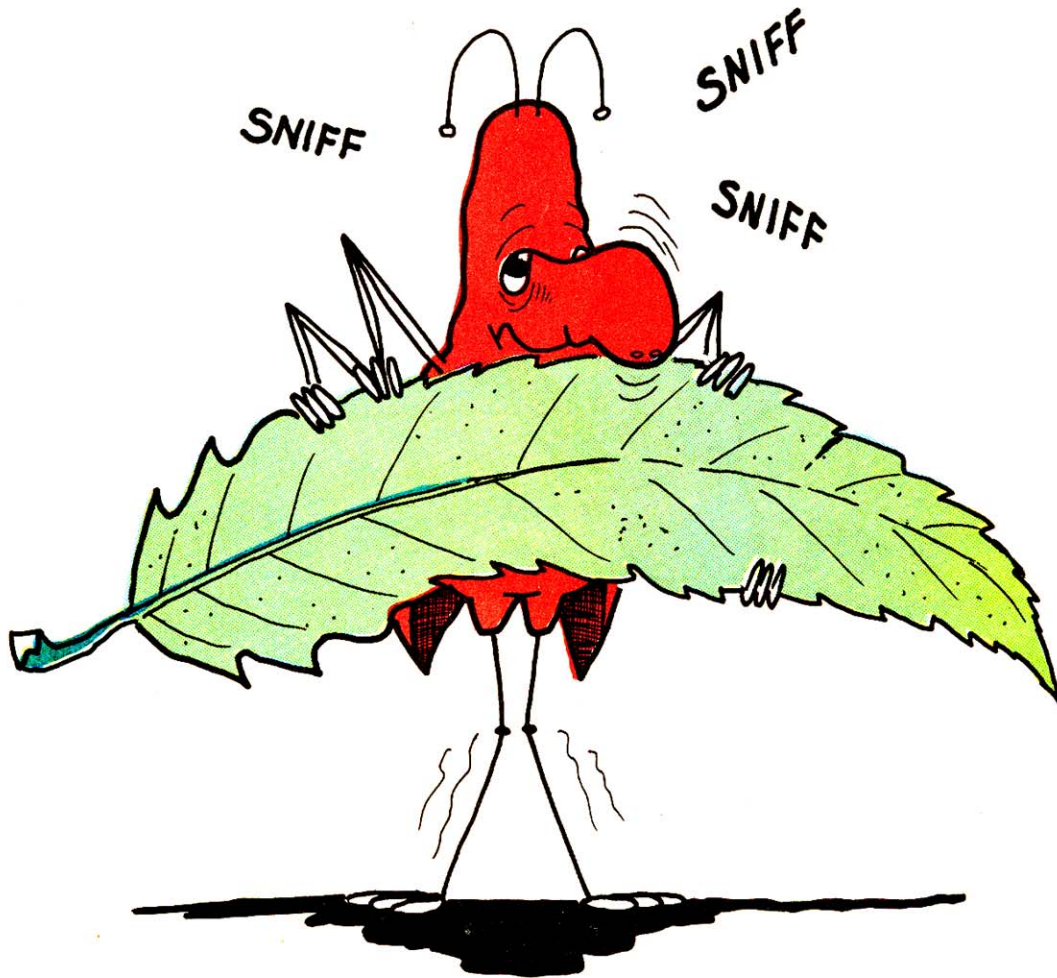
The next day the A-bugs arrived.

"Yuck!! These leaves smell of fish!" said the A-bugs in disgust.

"Do we have to eat them?"

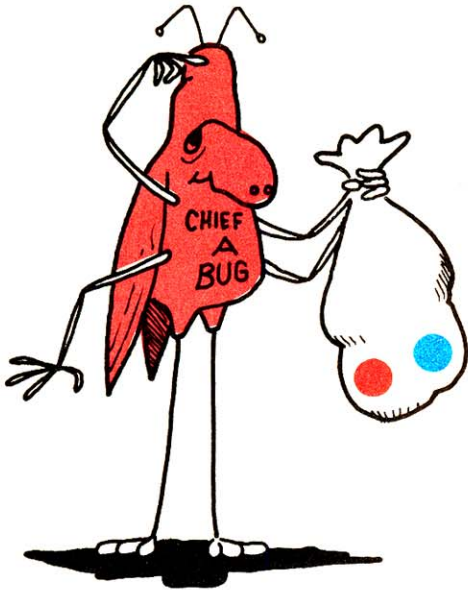
"You have to eat some," replied the chief A-bug. "People expect it of us."

"Well, okay. We are hungry." said the A-bugs. "But at least put some more blue marbles in the bag."

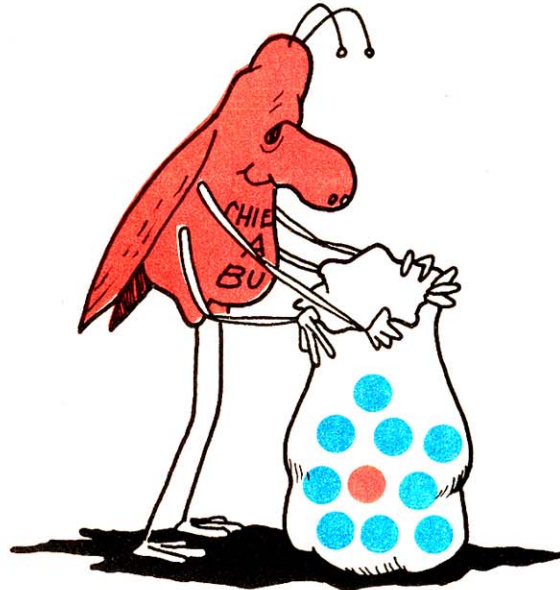


WHY DID THE A-BUGS WANT THE CHIEF TO PUT MORE BLUE MARBLES IN THE BAG?

NOT SPRAYED



SPRAYED



HOW MANY BLUE MARBLES DOES THE CHIEF A-BUG ADD TO THE BAG IF TREES HAVE BEEN SPRAYED? _____

Mr. Tamba has 20 trees. They have been sprayed.
ABOUT HOW MANY OF THEM WILL THE A-BUGS DESTROY? _____

Ms. Zamba also has 20 trees. They have not been sprayed.
ABOUT HOW MANY OF THEM WILL THE A-BUGS DESTROY? _____

Mr. and Ms. Samba have 100 coconut trees. They asked Mr. Tamba to spray their trees.

ABOUT HOW MANY TREES WILL THE A-BUGS DESTROY? _____

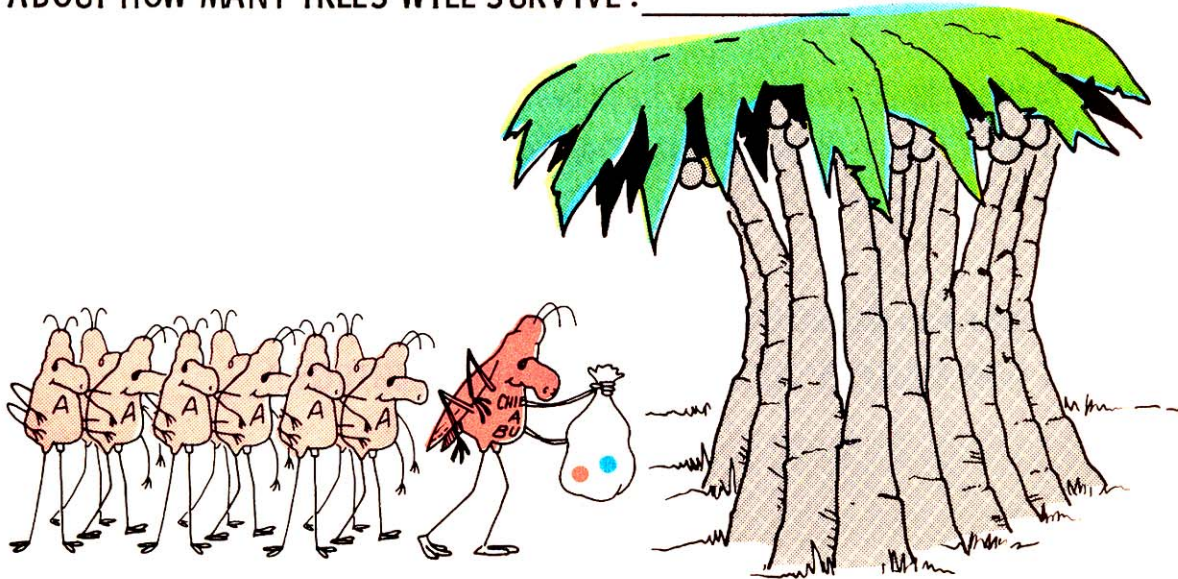
ABOUT HOW MANY TREES WILL SURVIVE? _____



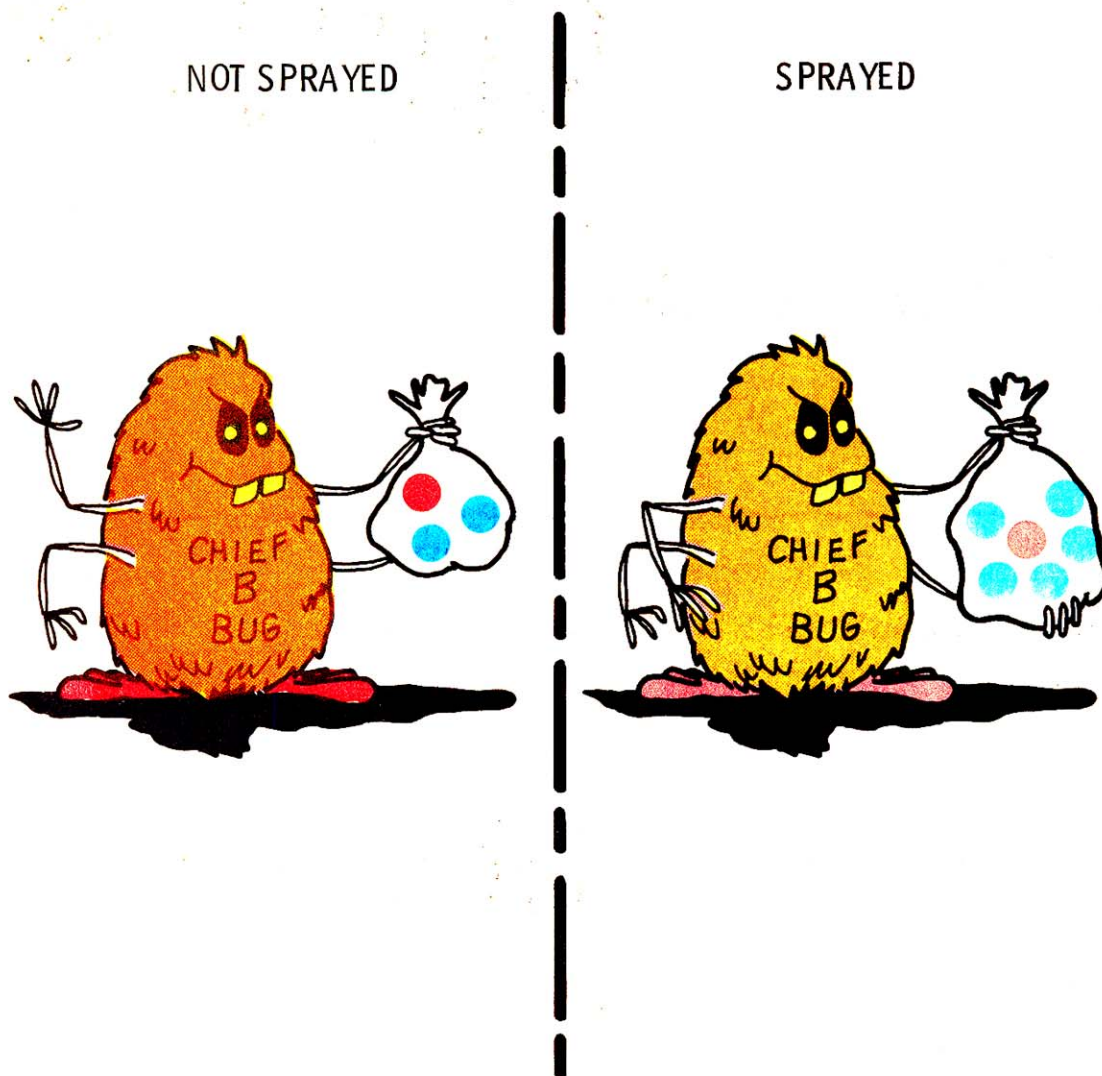
Dr. Vamba also has 100 coconut trees, but they have not been sprayed.

ABOUT HOW MANY TREES WILL THE A-BUGS DESTROY? _____

ABOUT HOW MANY TREES WILL SURVIVE? _____



The smell of the fish spray does not bother the B-bugs as much as it does the A-Bugs. But the chief B-Bug still adds some blue marbles to the bag if trees have been sprayed.

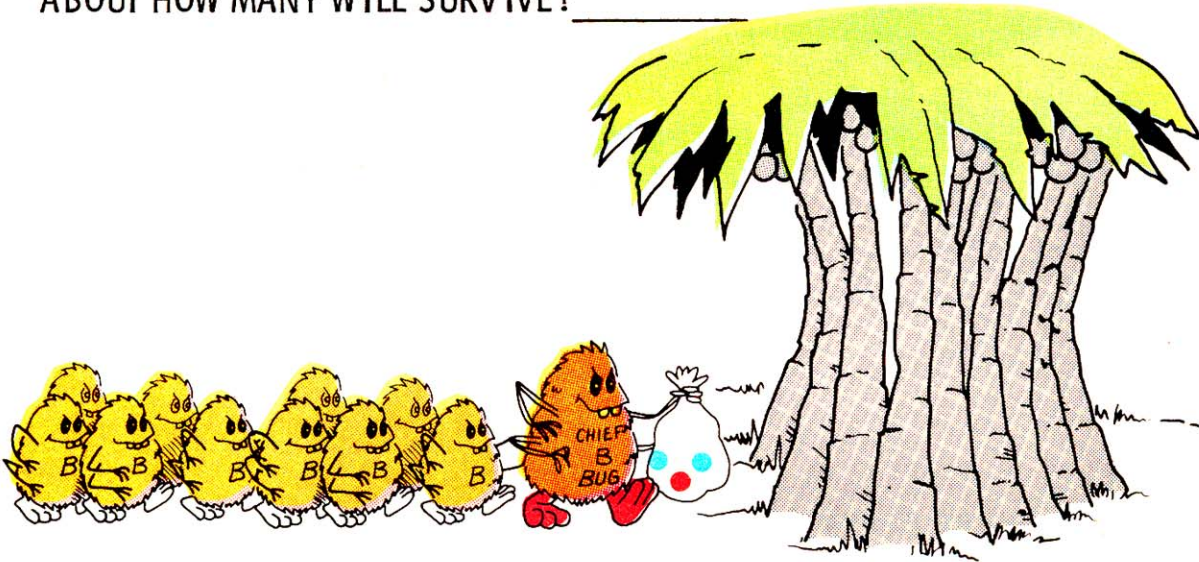


HOW MANY BLUE MARBLES DOES THE CHIEF B-BUG ADD TO THE BAG IF TREES HAVE BEEN SPRAYED? _____

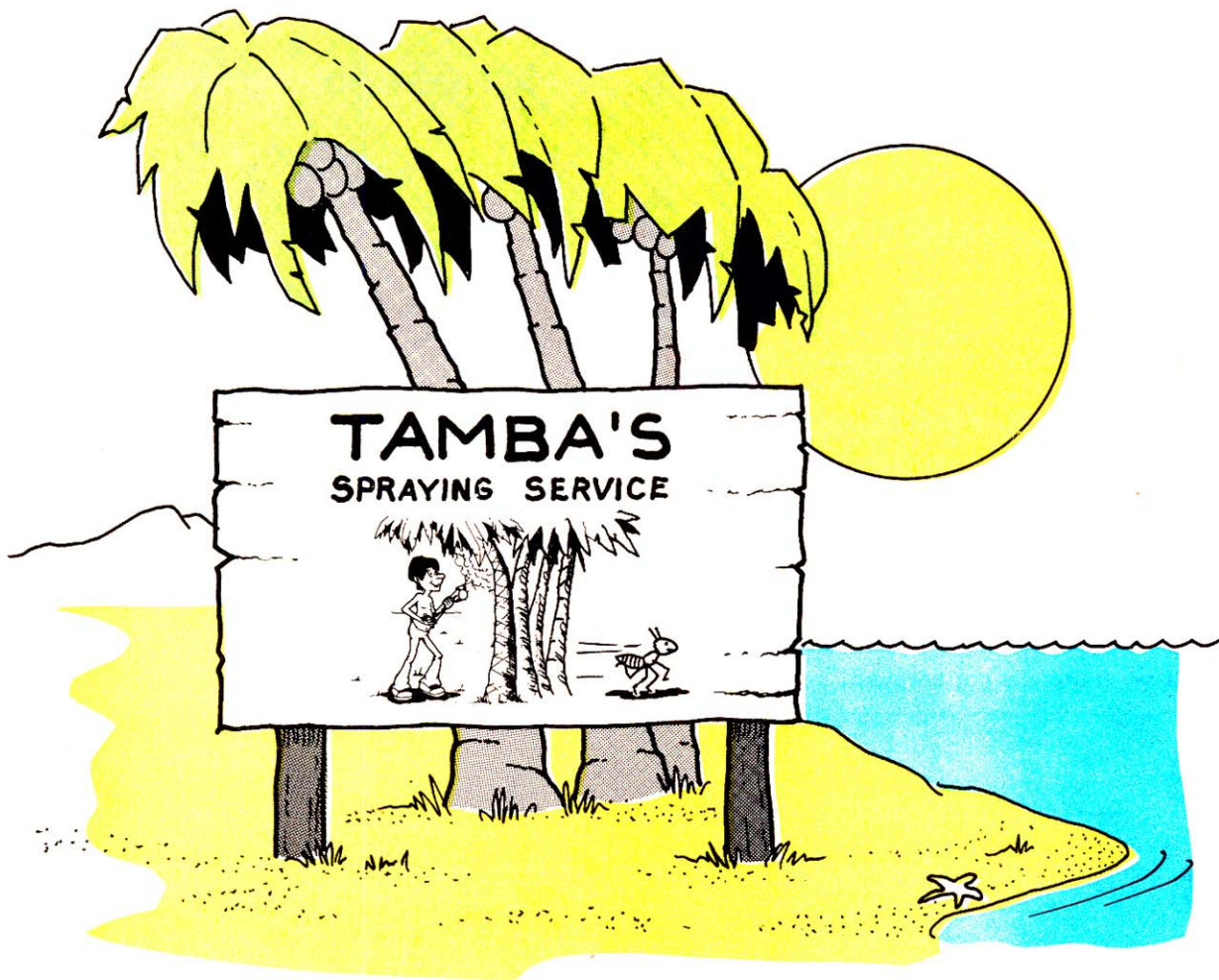
Ms. Pamba has 60 coconut trees. She asked Mr. Tamba to spray her trees.
ABOUT HOW MANY TREES WILL THE B-BUGS DESTROY? _____
ABOUT HOW MANY WILL SURVIVE? _____



Mr. Lamba also has 60 coconut trees. His trees have not been sprayed.
ABOUT HOW MANY TREES WILL THE B-BUGS DESTROY? _____
ABOUT HOW MANY WILL SURVIVE? _____



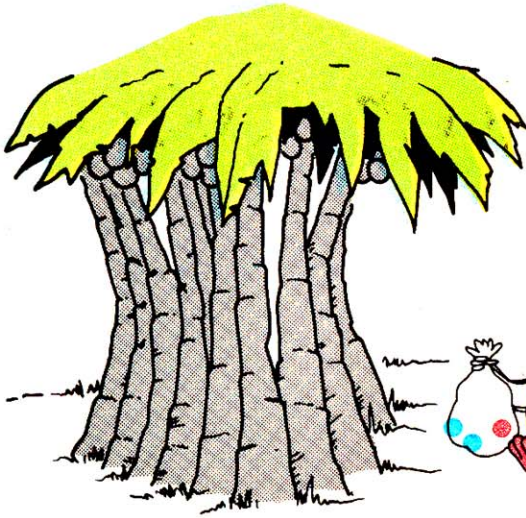
Mr. Tamba goes into business making fish spray and spraying the trees of growers who ask for his service.



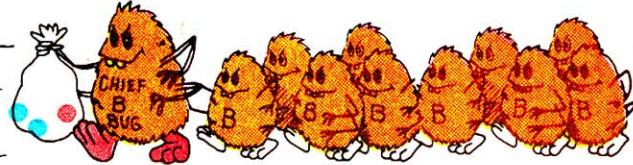
Before he will spray someone's trees , Mr. Tamba insists that they sign a contract in which they agree to pay him the coconuts from a certain number of trees . These coconuts are payment for his service.

Each coconut grower must decide whether or not spraying is worthwhile.

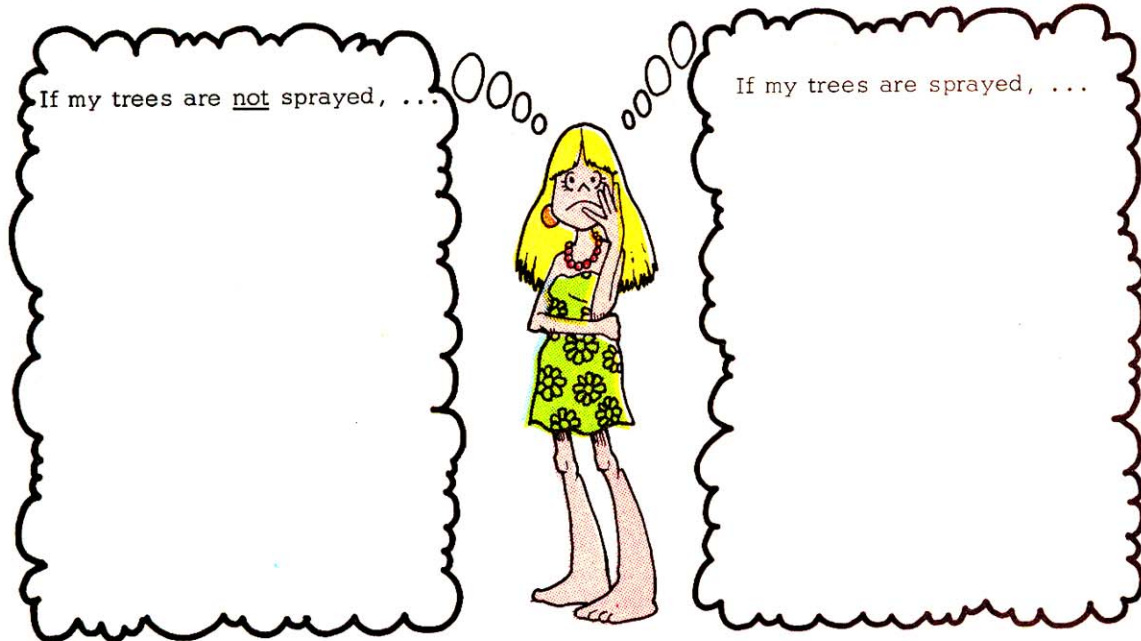
THE B-BUGS



NOT SPRAYED



Ms. Pajamba has 60 young coconut trees. She is trying to decide whether to hire Mr. Tamba to spray her trees. Mr. Tamba will charge the coconuts from 8 trees for this job.

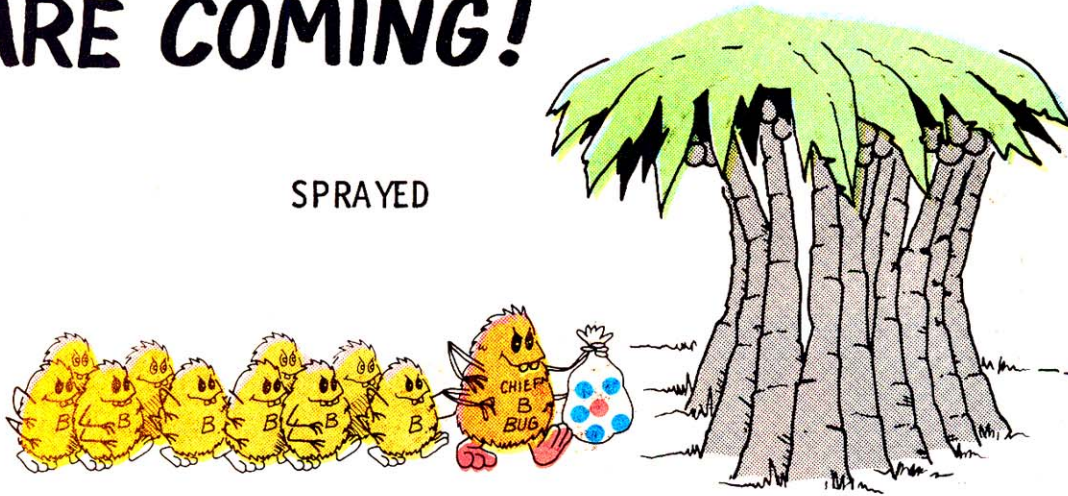


SHOULD MS. PAJAMBA HIRE MR. TAMBA TO SPRAY HER TREES? _____

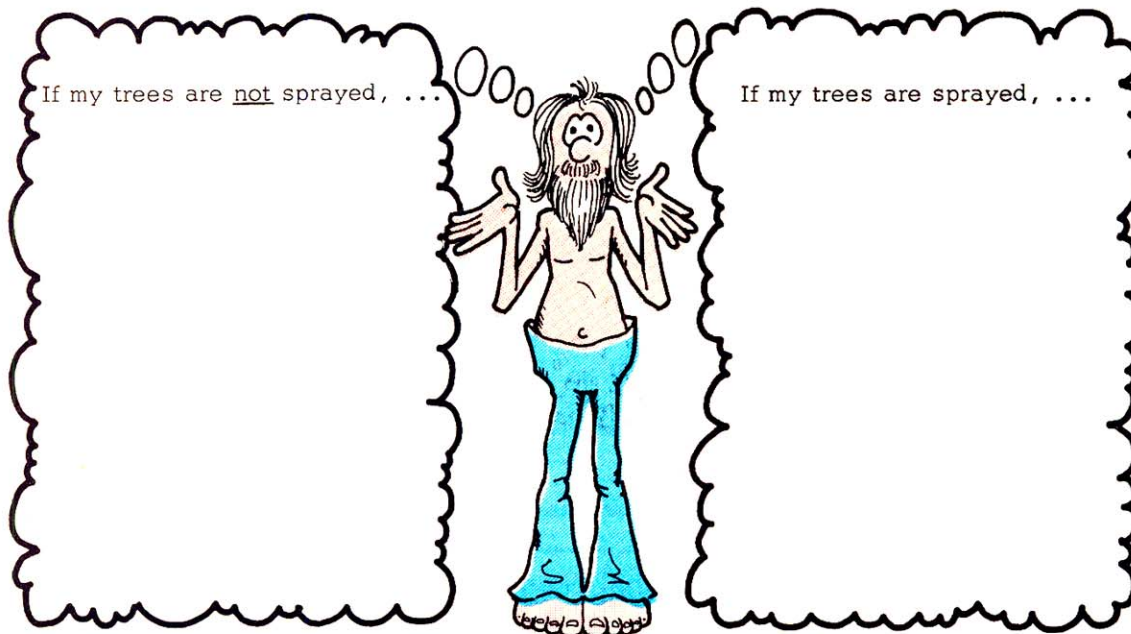
WHY OR WHY NOT? _____

ARE COMING!

SPRAYED



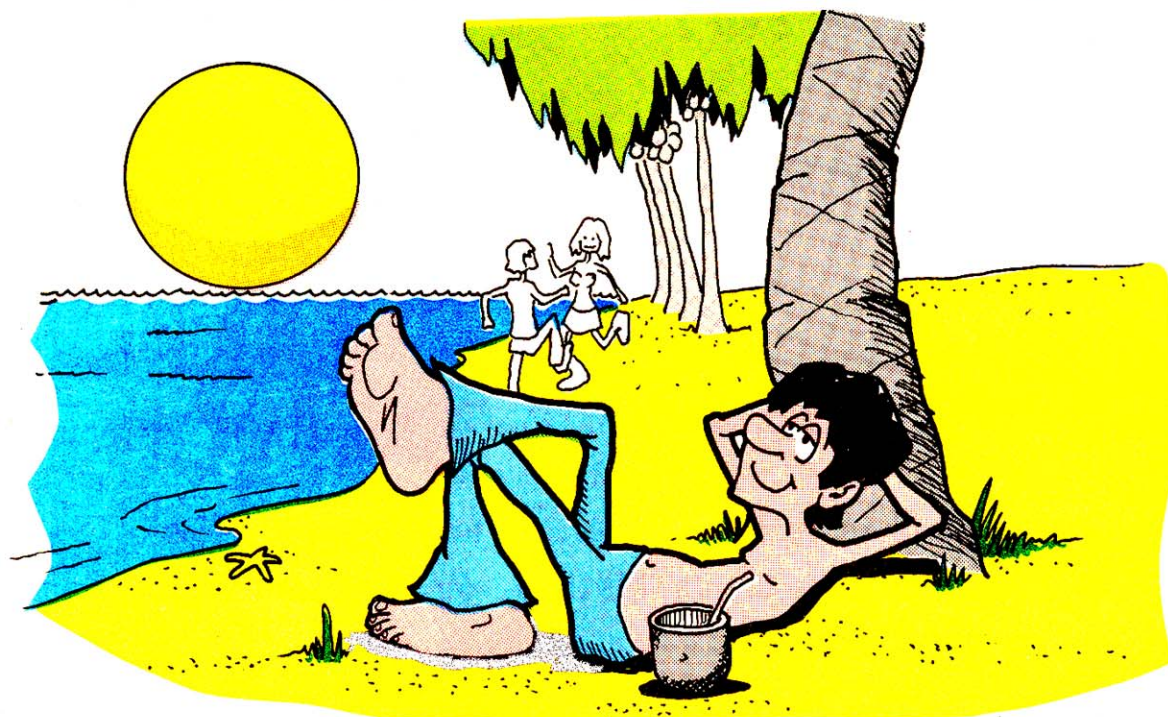
Mr. Caramba has 30 young coconut trees. He too is trying to decide whether to hire Mr. Tamba to spray his trees. Mr. Tamba will charge the coconuts from 6 trees for this job.



SHOULD MR. CARAMBA HIRE MR. TAMBA TO SPRAY HIS TREES? _____

WHY OR WHY NOT? _____

Because of Mr. Tamba's fish spray, the bugs were much less of a problem, and so life on Tam-Tam became even more pleasant than it had been.



The CSMP Library

Math Story-Workbooks

Current List

Ages 8-11

Summer School — 0's Discovery
Rollerskating 37
To Picture
The Island of Tam-Tam

Ages 9-14

Summer Camp
Halloween Puzzles
1,000's Dream
A Strange Country
Not Too Close
Clinton Street
Seven Secret Numbers
Shunda's Newsstand

A series of story-workbooks providing fanciful excursions in the colorful world of mathematics for all young people, their teachers and their parents, actively involving them in the acquisition of new mathematical insights.

Copyright © Comprehensive School Mathematics Program