

# Challenging Times

## Problem One

Stanley set his watch to the correct time at 12.30 p.m. When his watch showed 3.27 p.m., it was 3 minutes behind the correct time. It continued to lose time at the same rate. How many minutes would Stanley's watch lose in 24 hours?



## Problem Two

The Toru triplets, Trois, Tres, and Tertia, cut their birthday cake into thirds like this:



Whā came along and wanted an equal share of the cake.

“Only if you can make quarters with just one more cut,” said the triplets.

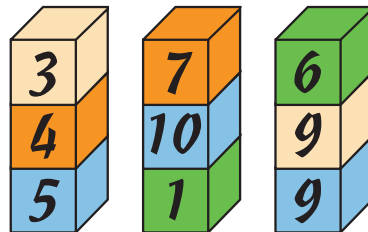
So Whā cut the cake like this:



- Was Whā able to make quarters? Explain your answer.
- Is there another way Whā could have tried to make quarters with one cut?

## Problem Three

Which block does Penny need to move so that the stack totals are equal?



## Problem Four

Copy this nine-dot grid into your book. Without taking your pencil off the paper, draw four straight lines so that a line goes through each dot.

