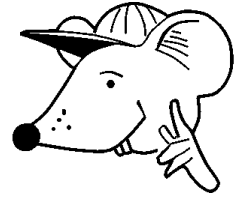




MATHEMATICS



N.S. Yr. 1 P.16

Estimation and approximation

Equipment

Paper, pencil, ruler

MathSphere

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Concepts

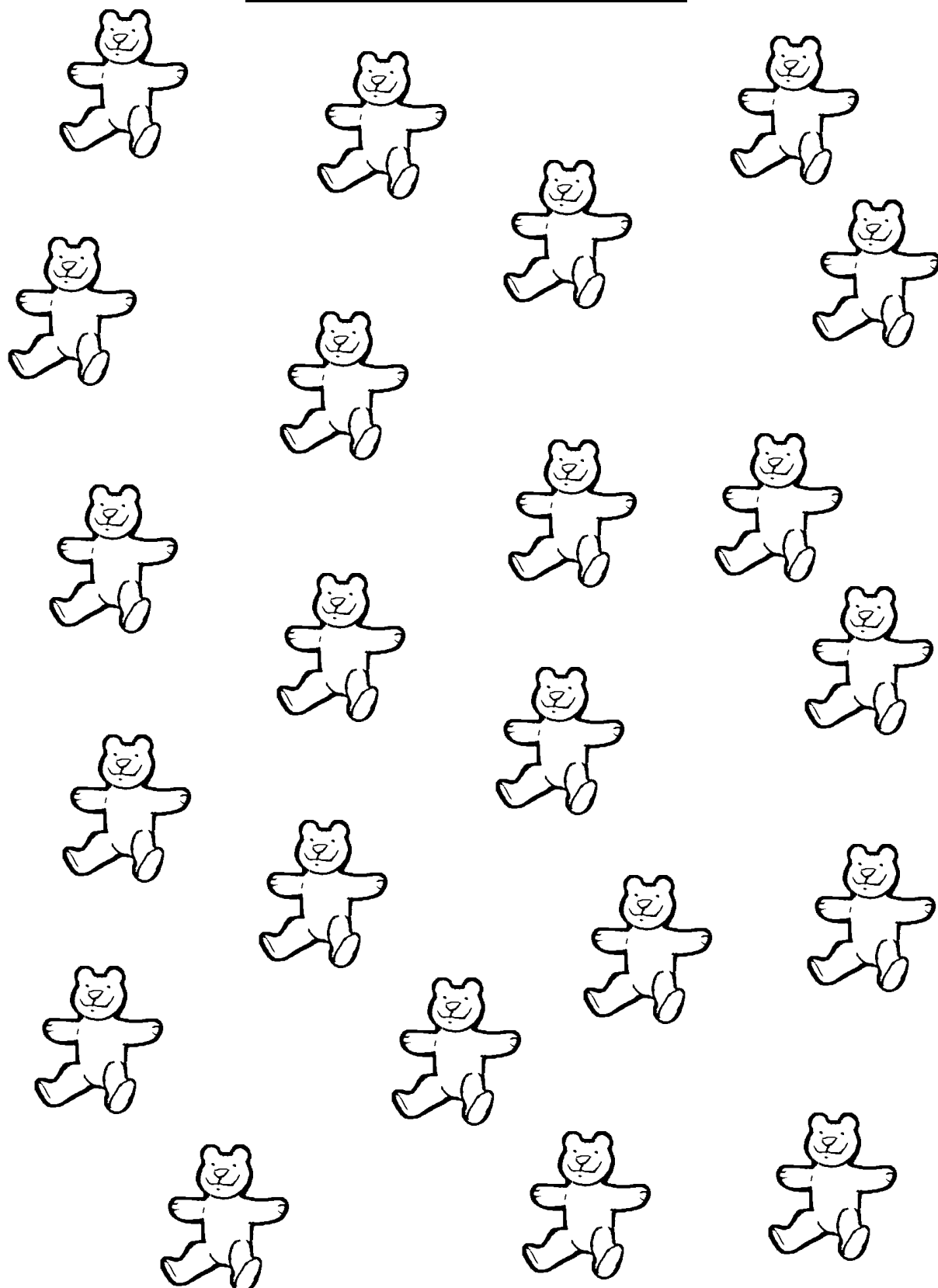
This module is concerned with simple estimation and approximation. Most of the work should be within the context of other subjects, guessing the number of marbles in a jar, birds in a picture, toffees in a bag etc, using numbers up to about 30.

Words such as

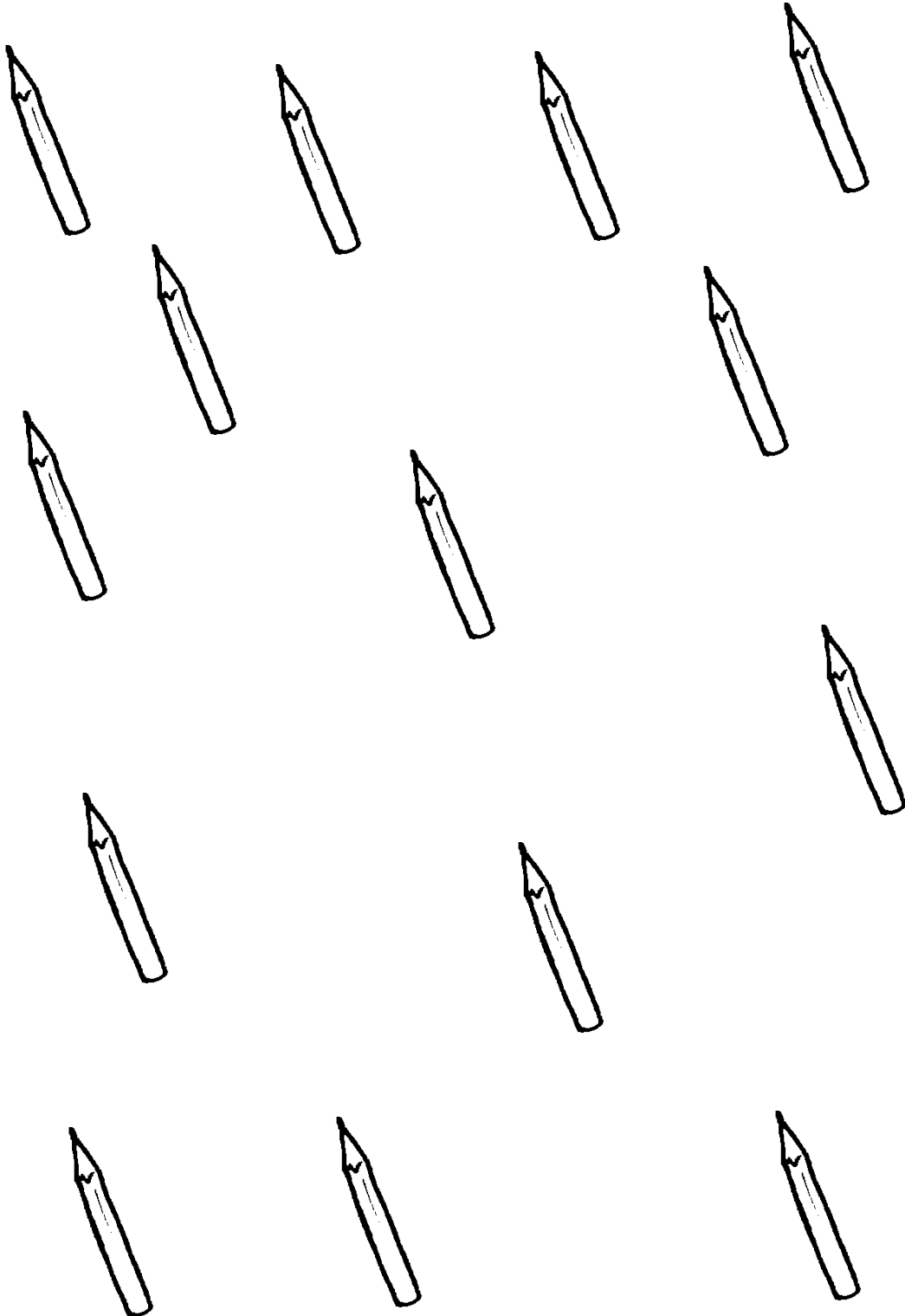
'not enough', 'too many', 'too few', 'about the same as', and 'close to'

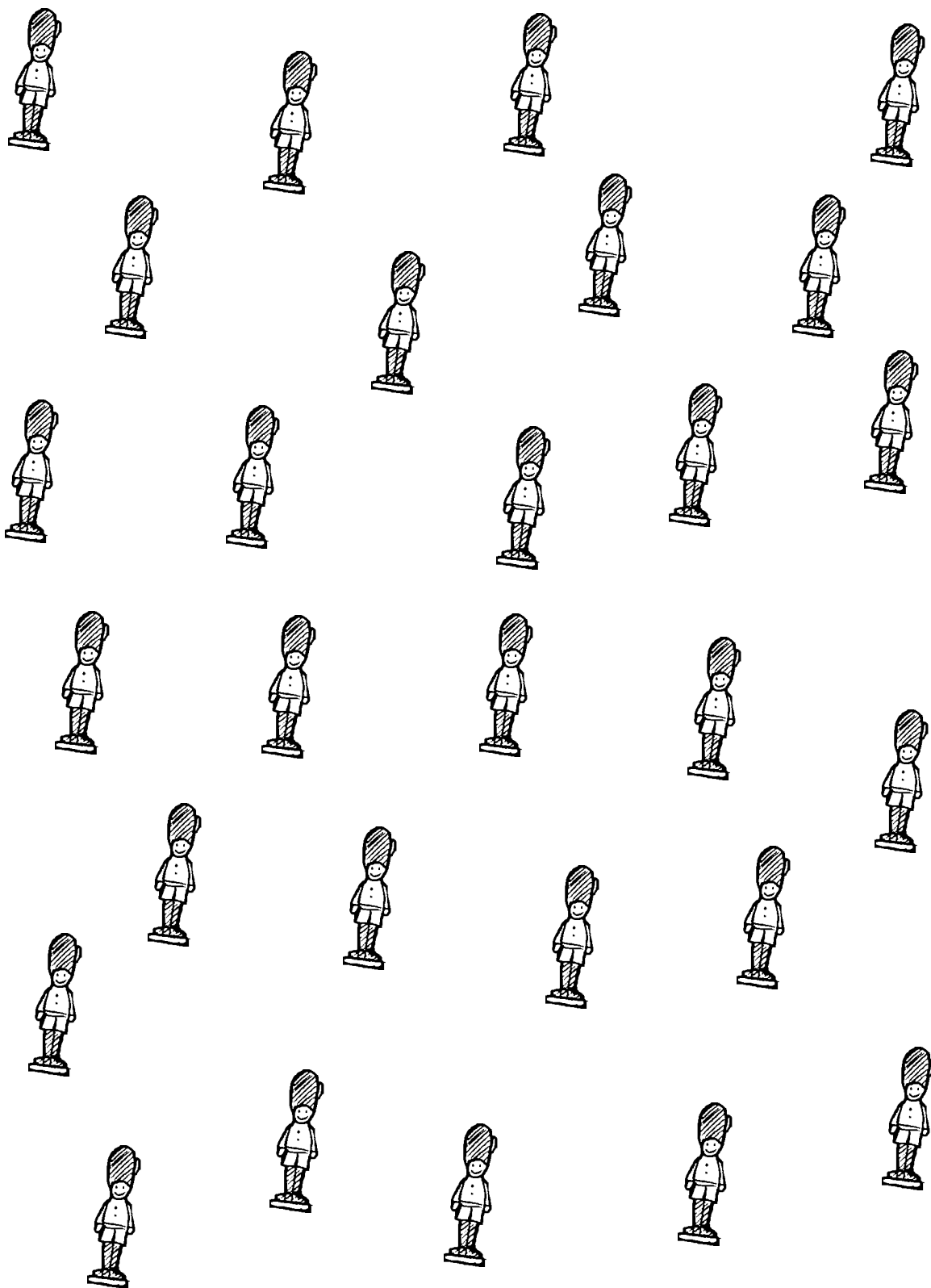
should be used to begin with, and later the term 'estimate' can be introduced to replace 'guess how many'.

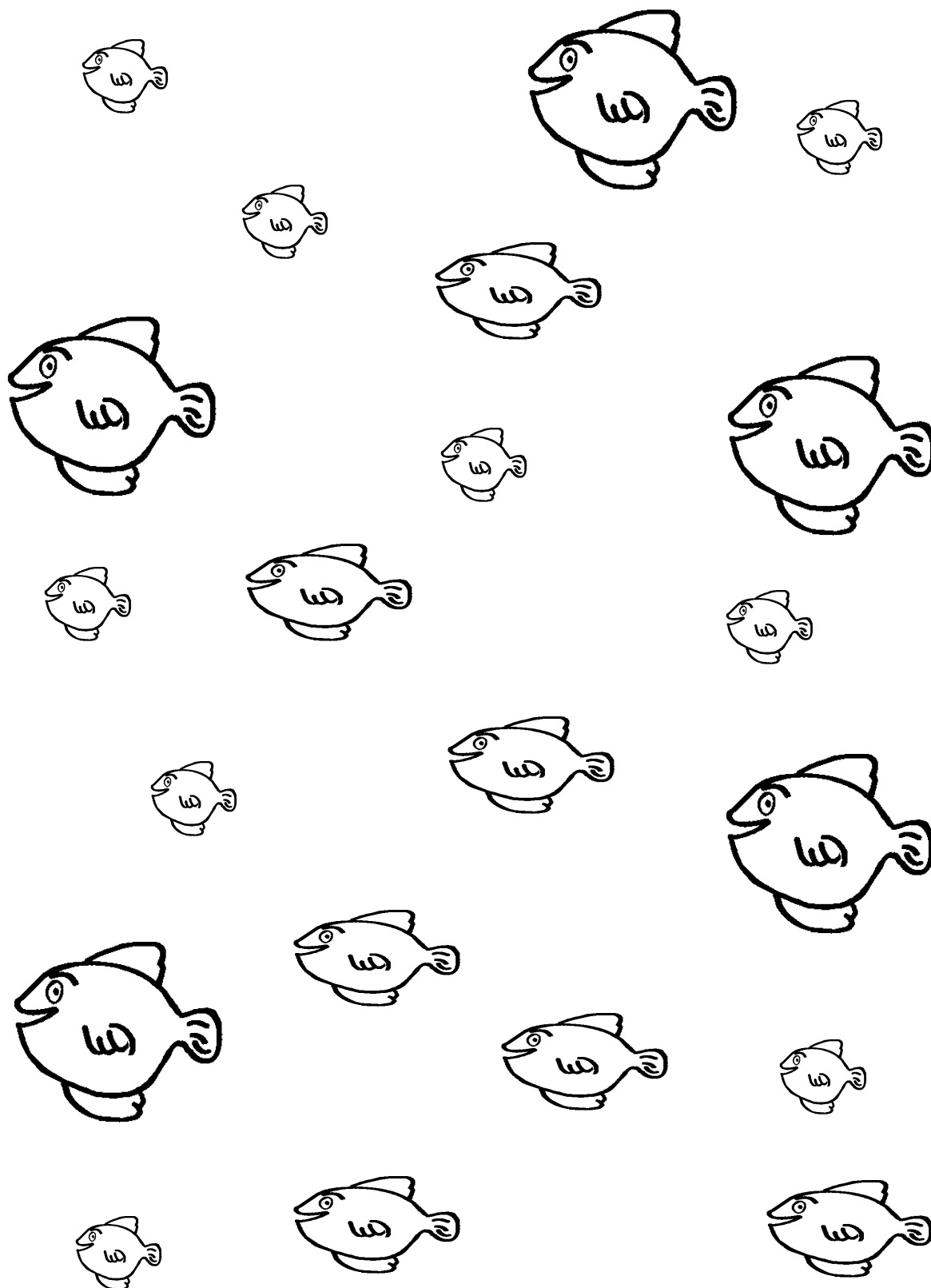
A second strand to estimating is to see whether there is enough of one thing to match another. At first this can be done by matching, one to one: later a quicker glance should be sufficient. Again this is much better done on a practical basis; are there enough pieces of paper for the children, chairs for the team? etc.

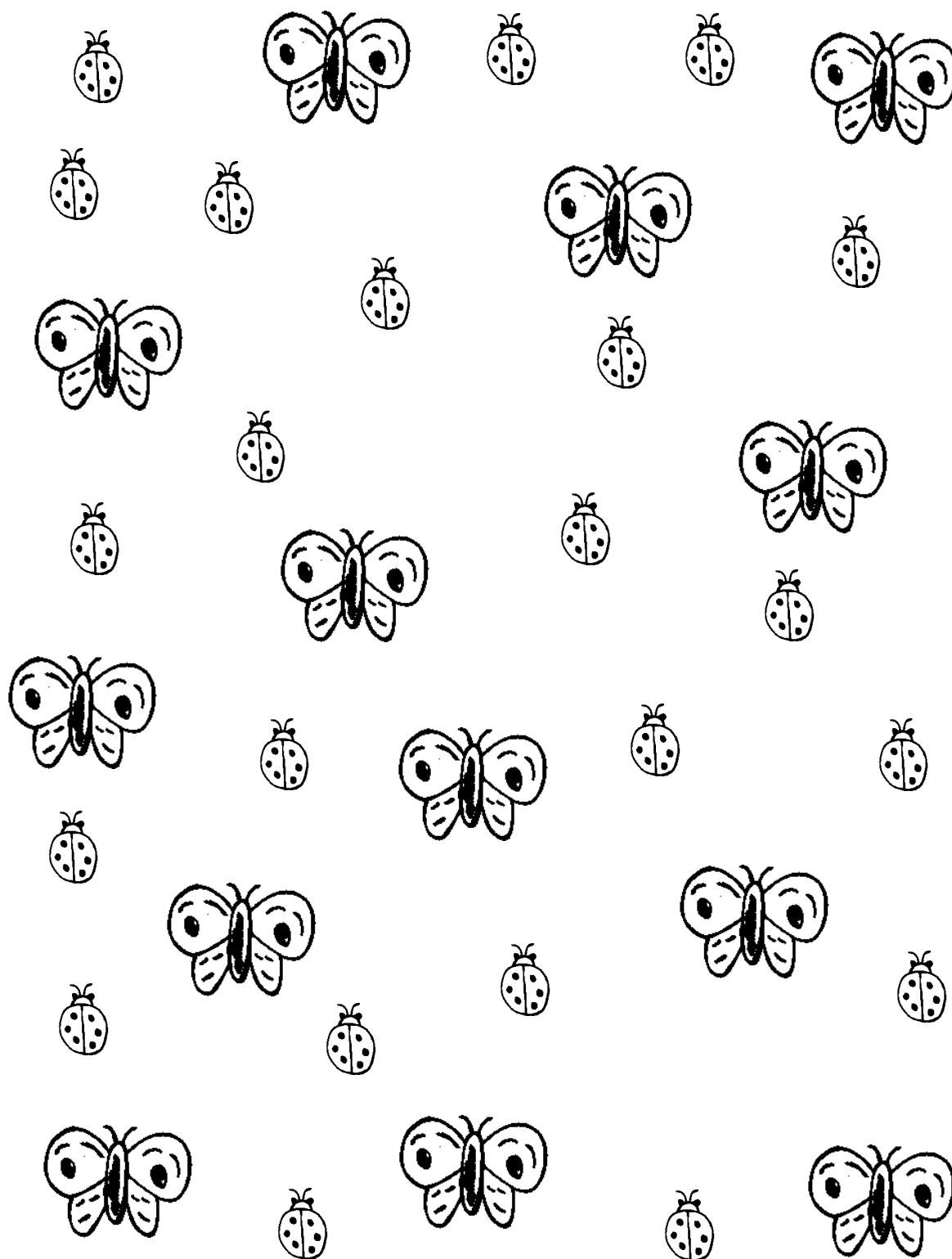
Estimate the number of teddies

Estimate the number of pencils

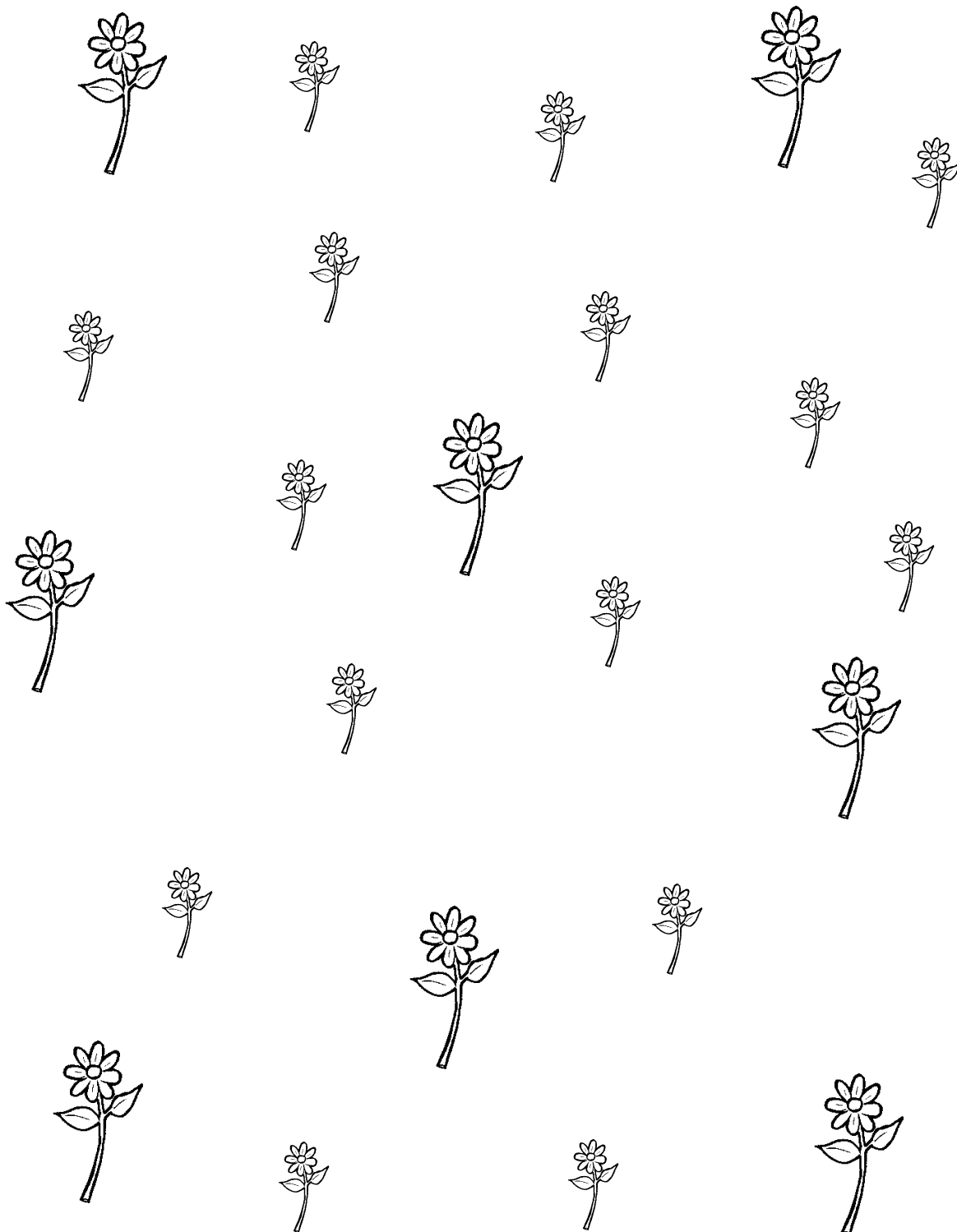


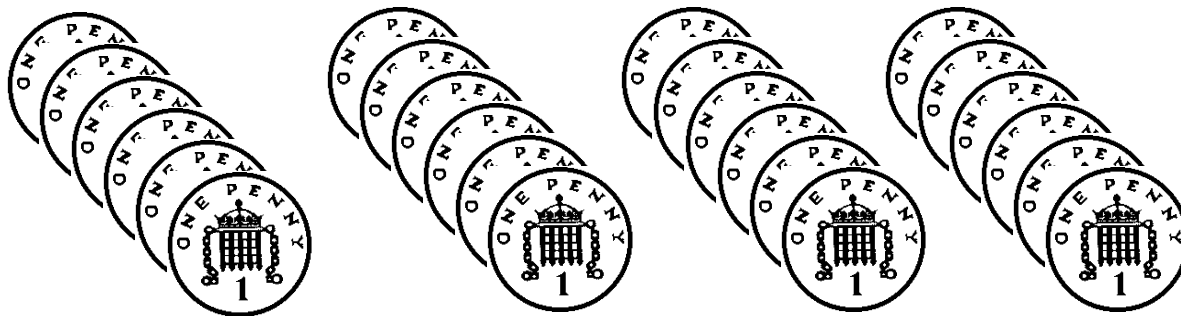
Estimate the number of toy soldiers

Estimate the number of fish

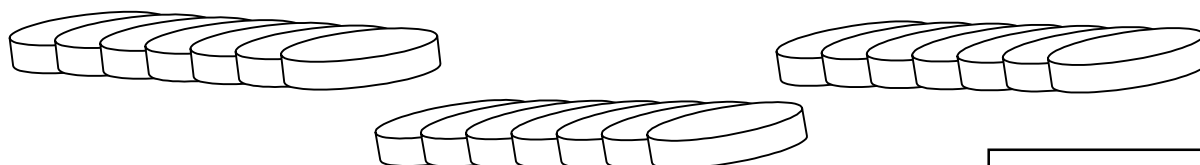
Estimate the number of ladybirds and butterflies

Estimate the number of flowers

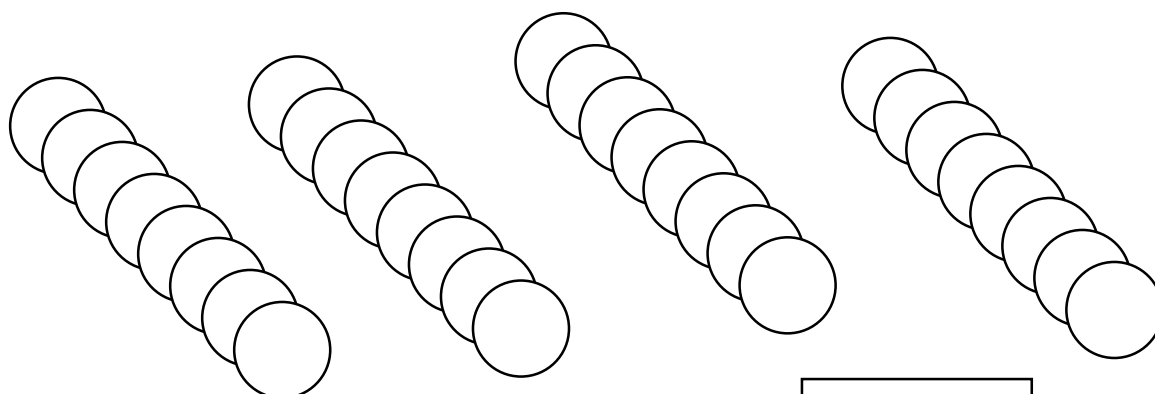


Estimate

About how many coins?



About how many mints?

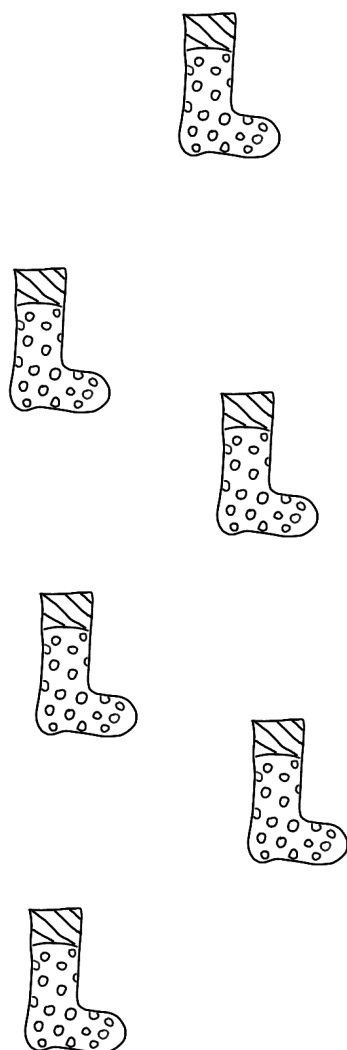


About how many counters?

Socks for shoes?

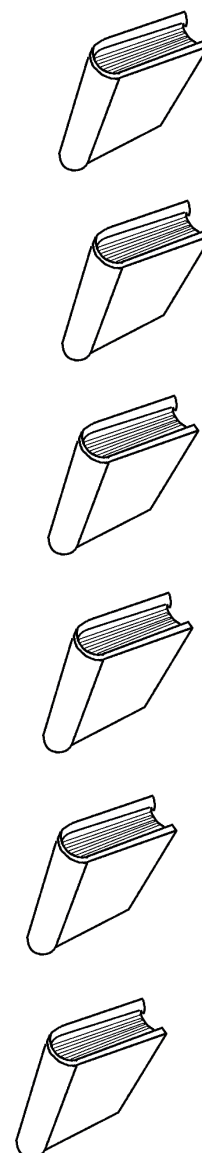
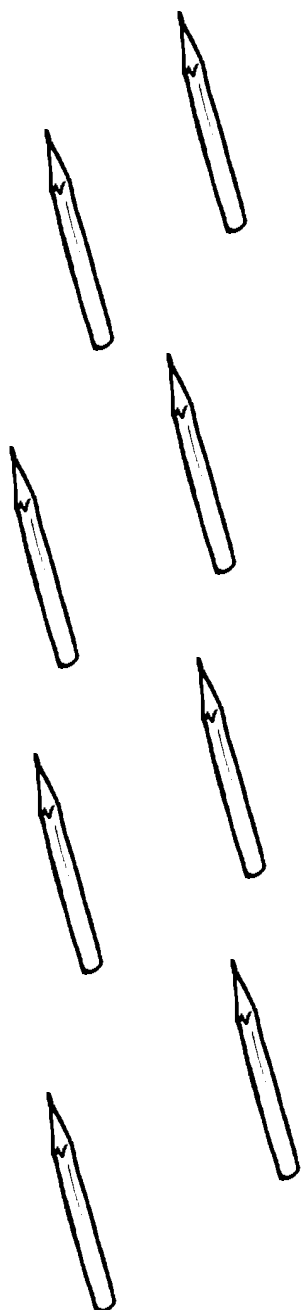
Are there enough socks for the shoes?

Join a line from one sock to one shoe.



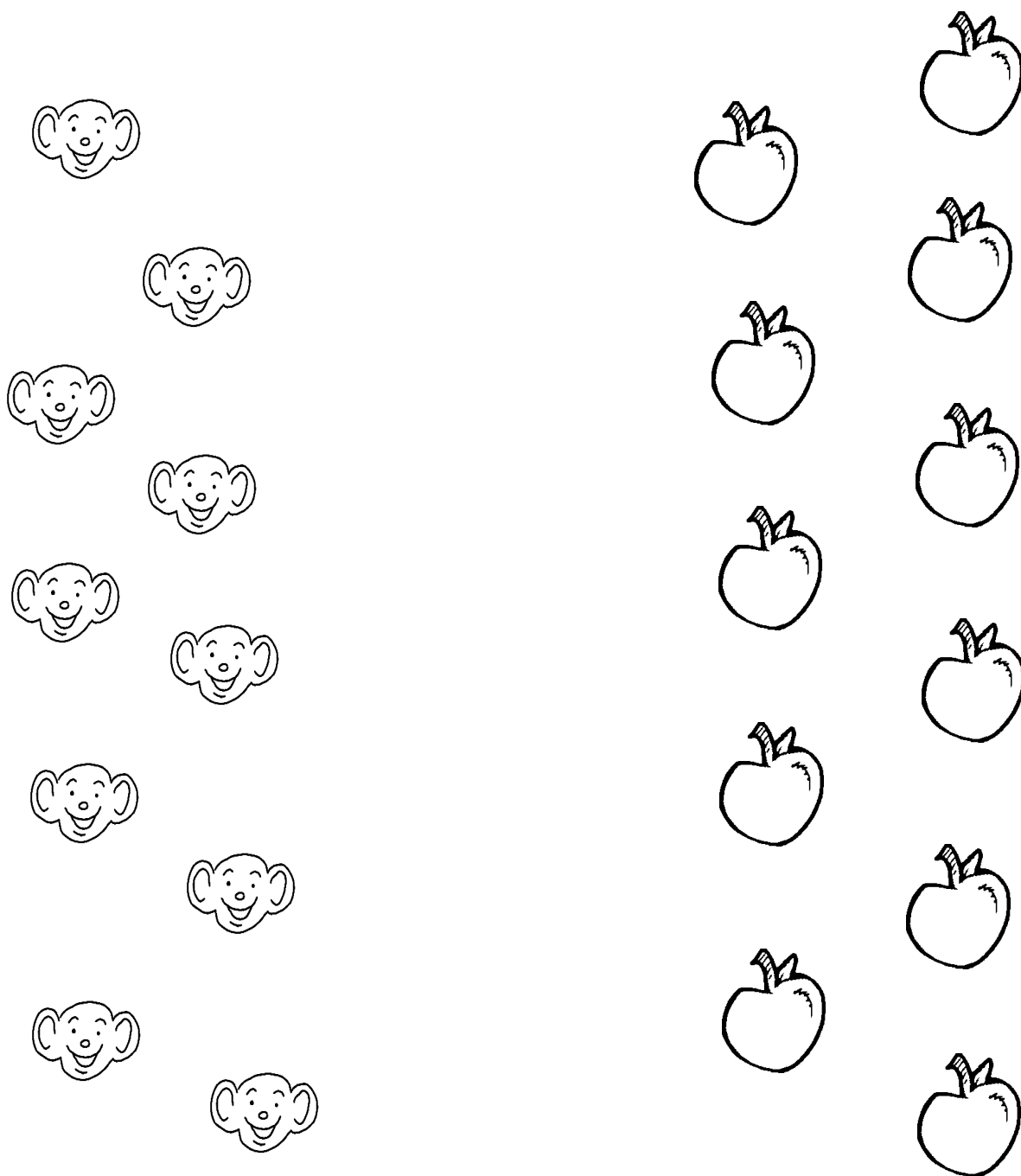
Which is there more of?

Are there enough pencils for books?



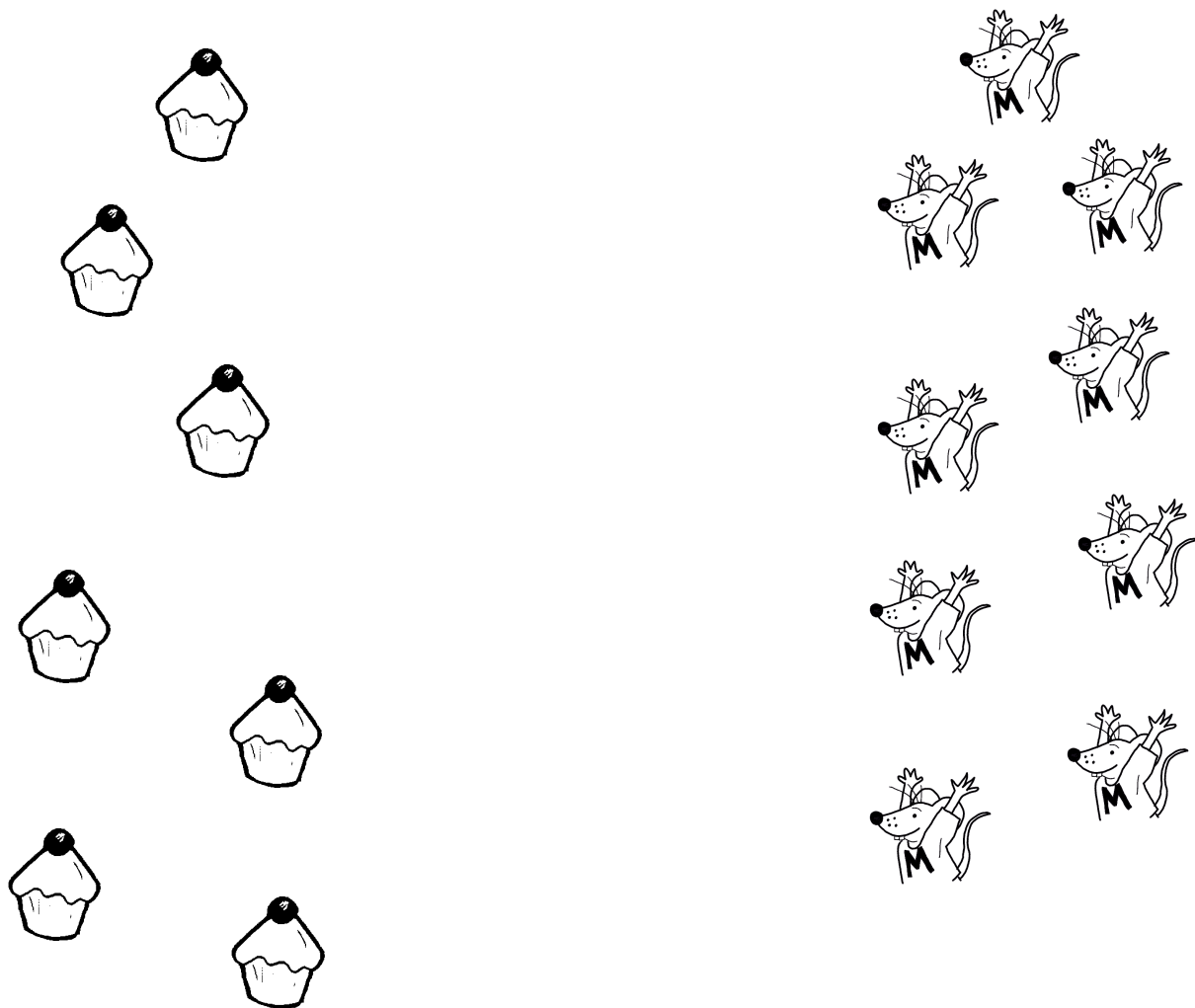
Are there enough pencils for these books?

Are there too many or too few pencils?

Are there enough apples for the monkeys?

Are there enough apples for these monkeys?

Are there too many or too few apples?

Are there enough cakes for hungry rodents?

Are there enough cakes for these hungry rodents?

Are there too many or too few cakes?