

# Push it!

It takes force to move things. Does it take more force to move heavy things? Try this to find out.

## You will need

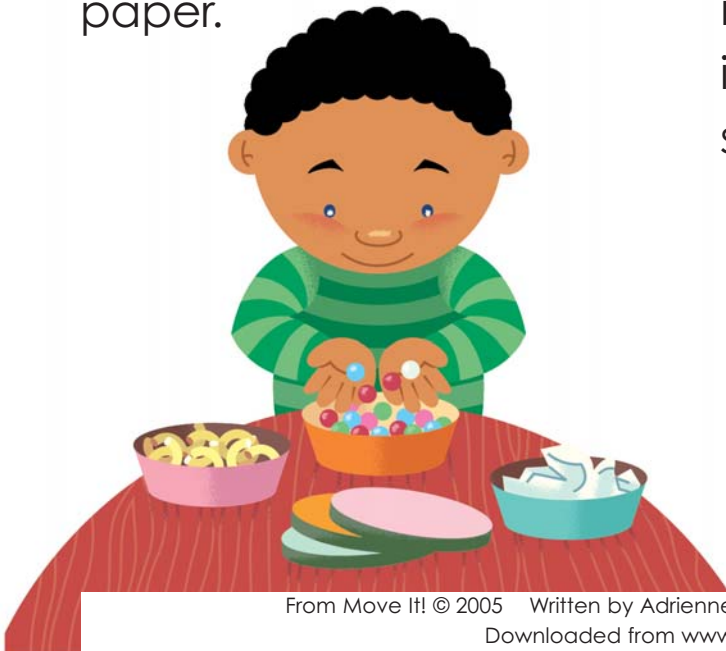
- 3 identical, opaque plastic tubs with lids
- small rocks or marbles
- uncooked macaroni or other small pasta
- crumpled paper

## What to do

**1** Fill one tub with rocks or marbles, one with pasta and one with crumpled paper.

**2** Put the lids on the tubs. Ask a helper to move the tubs around until you don't know which is which.

**3** Push each tub across the table. Which tub took the most force (the biggest push) to move? What do you think is in it? Which took the least force (the smallest push) to move? What do you think is in it? Remove the lids to see if you were right.





### **What's happening?**

It takes more force (a bigger push) to move heavy things, like the rocks. It takes less force (a smaller push) to move lighter things.

