

# COLUMN GRAPHS

## INVESTIGATION

### BOUNCING BALLS



#### REQUIREMENTS

Different balls, ruler, video-camera (optional)

#### INSTRUCTIONS

- Different sports balls have different bounce heights. Follow these instructions.
- Make height marks (in removable pencil) on a nearby background wall.
- Use a video-camera to keep a record of the bounce.
- Drop a tennis ball from a height of one metre and watch it bounce less each time it bounces.
- Do this several times and calculate the average of each bounce.
- Draw a column graph of the results.
- Is there a pattern?

ATTEMPT	HEIGHT OF FIRST BOUNCE (CM)	HEIGHT OF SECOND BOUNCE (CM)	HEIGHT OF THIRD BOUNCE (CM)
1 <sup>ST</sup>			
2 <sup>ND</sup>			
3 <sup>RD</sup>			
AVERAGE			