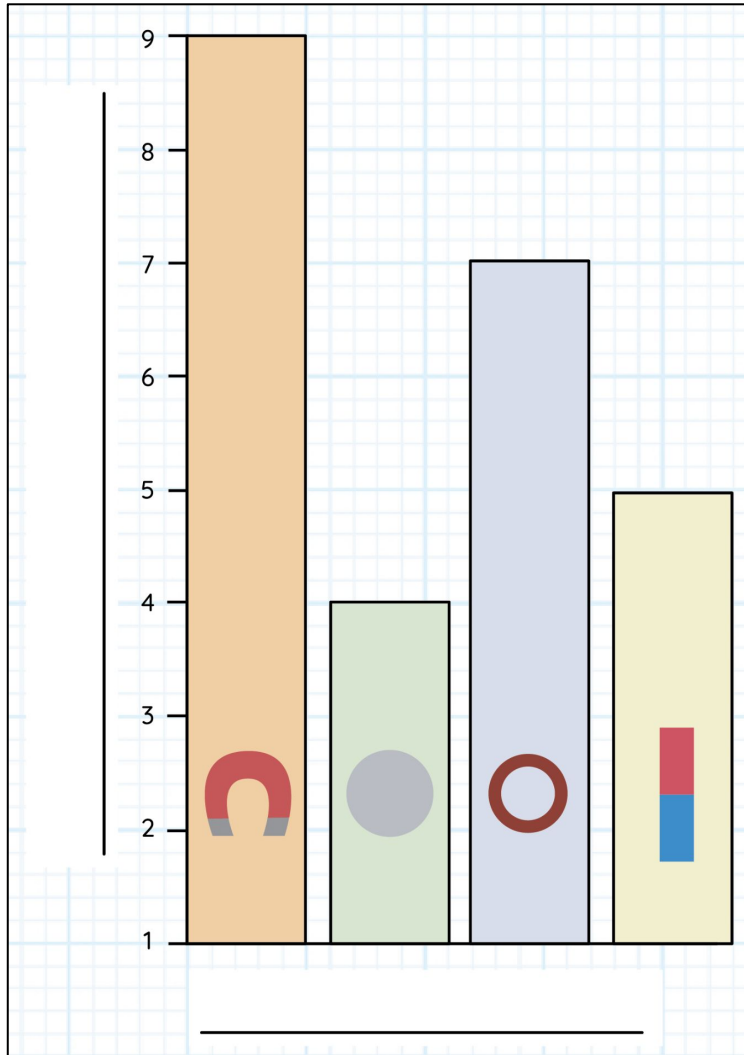






Forces and magnets

Four different magnets were tested to find out their strengths. Paper clips were added in a chain and counted.

A bar chart showing the number of paper clips attracted to different types of magnets.

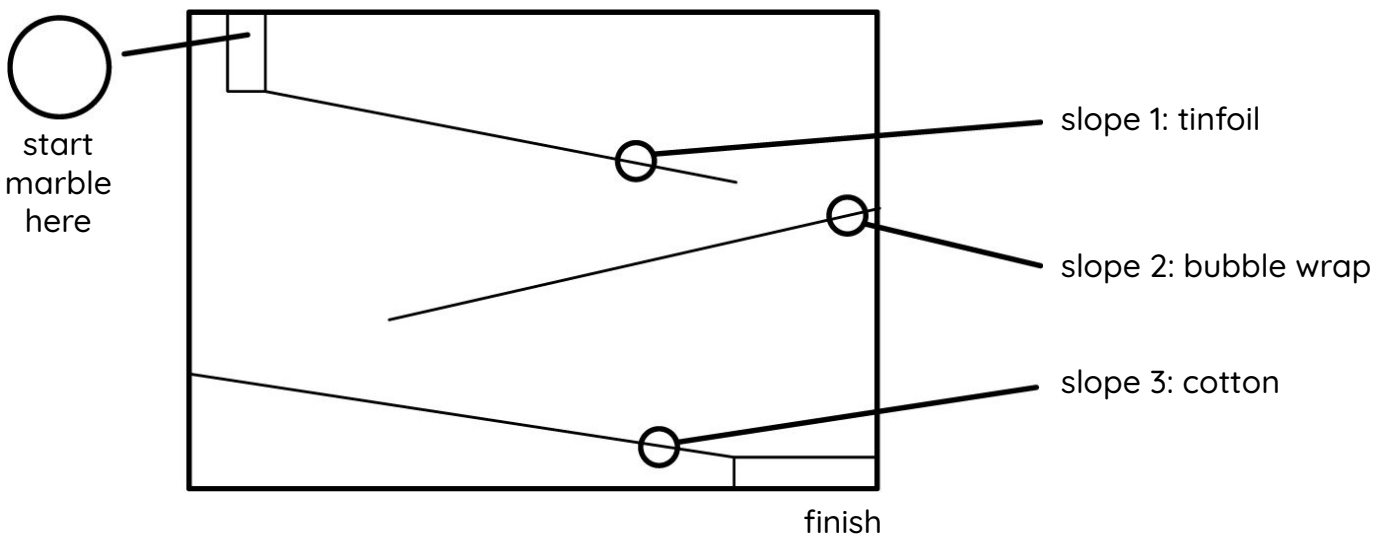


Magnet	Number of paper clips
	9
	4
	7
	5

1. Label the x-axis with the names of the magnets.
2. Add the missing labels to the axes.
3. List the magnets in order of strength from strongest to weakest.

1. _____
2. _____
3. _____
4. _____

A marble was run down a series of slopes with different surfaces and the time taken for it to go down each slope was measured.



Forces and magnets

1 Which variable is being changed?

2 Which variable is being measured?

3 Tick the variables that need to be kept the same. The:

- Time it takes the marble to go down each slope.
- Angle of the slope.
- Length of the slope.
- Material on the slope.
- Colour of the marble.
- Starting position of the marble.

4a Tick the slope that the marble will go down the quickest.

- Slope 1: tinfoil.
- Slope 2: bubble wrap.
- Slope 3: cotton.

4b Finish the sentence.

The marble will go down this slope quickest because...
