

Mighty Magnets

Approach: Station

Level: Year 8 & year 4

Resources: 2 magnets the same size but different strengths, labelled A & B;
15 paper clips; 15 steel washers; 6 plastic counters; 3 nails; ruler.

Questions/instructions

| | | % responses | |
|--|---------------------|-------------|--------|
| | | year 8 | year 4 |
| <p>In this activity you will be finding out about the strength of two magnets. You are to do a test to find out which magnet is stronger. You can use any of the things on the desk.</p> | | | |
| <p>1. Write down what you did for your test.</p> | | | |
| Evidence of: | | | |
| | careful measurement | 46 | 22 |
| | replication | 32 | 17 |
| | multiple methods | 14 | 7 |
| <p>2. Write down what happened when you tested the magnets. You can draw a picture with labels to help you explain what you have written.</p> | | | |
| Described: | | | |
| | very fully | 15 | 3 |
| | well | 48 | 26 |
| | poorly | 37 | 71 |
| <p>3. Which magnet was stronger?</p> | | | |
| | Magnet B | 84 | 70 |
| <p>4. What are magnets used for in everyday life? Write down as many uses as you can think of.</p> | | | |
| 3 or more uses | | 30 | 7 |
| 2 uses | | 33 | 20 |
| 1 use | | 27 | 46 |
| Included fridge magnet | | 46 | 38 |
| Included other use | | 76 | 47 |