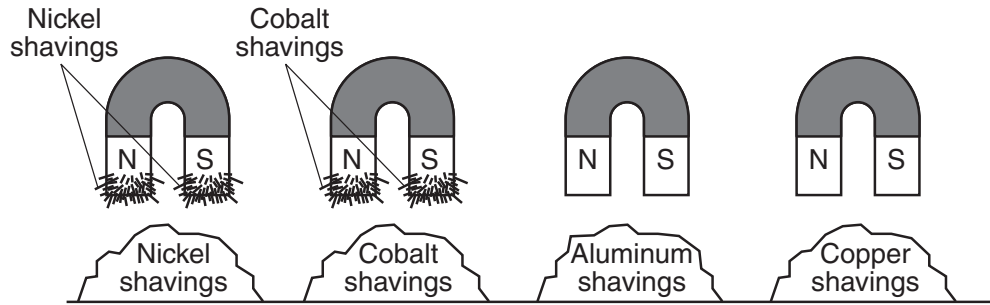


48 The diagram below shows four identical magnets that have been dipped into piles of shavings of four different metals.



Write a conclusion about a magnet's ability to attract metals based on what is shown in this diagram. [1]

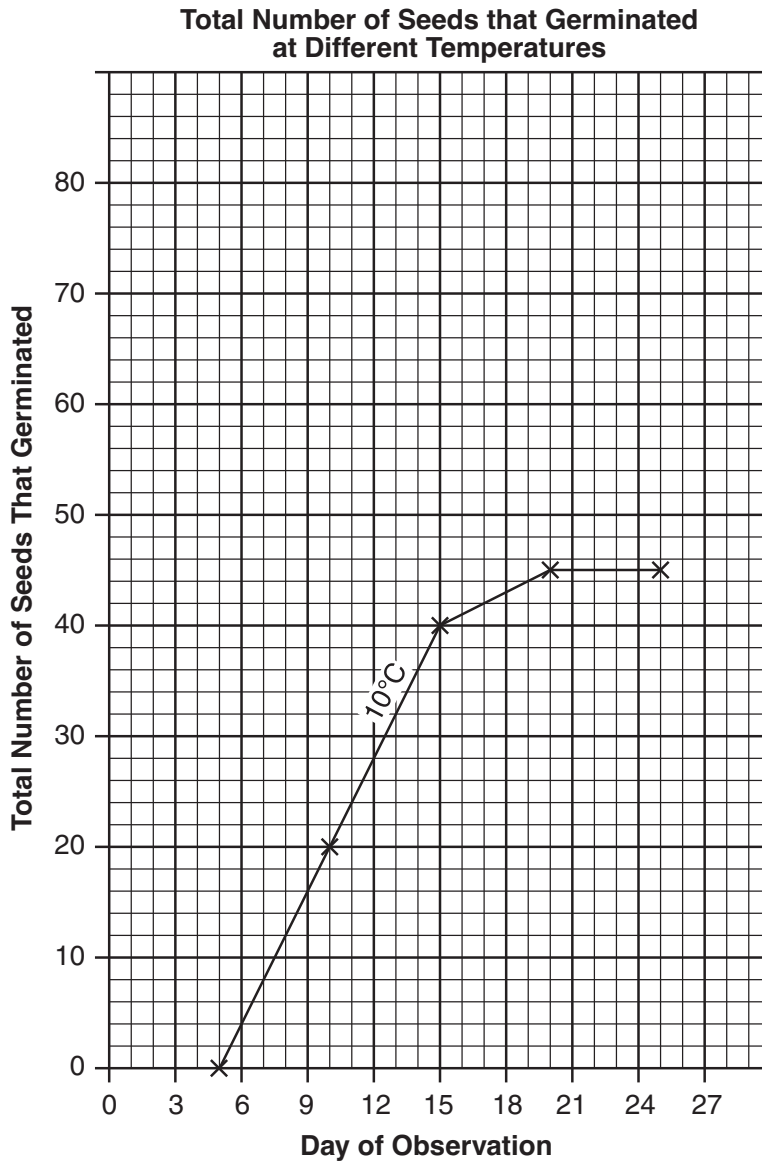
Base your answers to questions 49 and 50 on the information below and on your knowledge of science.

A student conducted an experiment to find out if air temperature affected the total number of seeds that germinate. Two groups of 100 identical seeds were used. One group was kept at an air temperature of 10°C and the other at an air temperature of 20°C. All other conditions were held constant. Observations made during the experiment are shown in the data table below.

Data Table

Day of Observation	Total Number of Seeds that Germinated at 10°C	Total Number of Seeds that Germinated at 20°C
5	0	5
10	20	35
15	40	70
20	45	80
25	45	80

- 49 On the graph below, plot with an **X** the total number of seeds that germinated at 20°C for each day of observation. Connect the **Xs** with a line. [2]
- Note:** The graph shows the total number of seeds that germinated at 10°C.



- 50 Using the graph that shows the total number of seeds that germinated at 10°C, determine how many seeds would have germinated at 10°C by day 12. [1]

Total number of seeds: _____
