

READING A BAR GRAPH

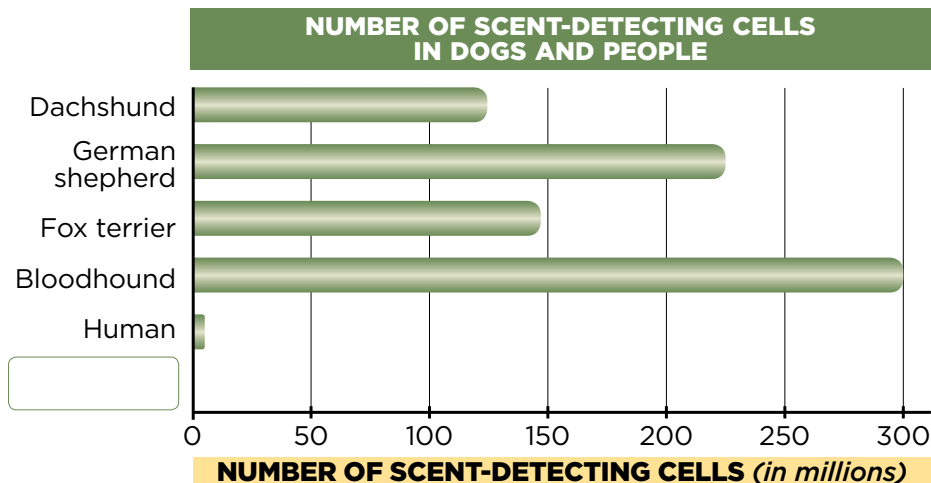
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For use with pages 4–5 in the September 3, 2012, issue of Scholastic *MATH* Magazine.

SOLDIER DOGS

WHAT TO DO

This bar graph shows the approximate number of scent-detecting cells in various dog breeds and in people. Use the information in the article to answer the questions and complete the graph.



SOURCE: STANLEY COREN, UNIVERSITY OF BRITISH COLUMBIA, VANCOUVER

1 About how many scent-detecting cells does a German shepherd have?

2a Which dog breed on the graph has the best sense of smell?

b How many times more smell receptors does this dog have than a person?

3 Which two dog breeds combined have about 30 million fewer scent-detecting cells than bloodhounds?

4 A person has approximately what fraction of the number of scent-detecting cells of a German shepherd?

5 A beagle has about 80 million more scent-detecting cells than a fox terrier

a Add beagle data to the graph in the space below "Human."

b What breed on the graph has about the same number of scent-detecting cells as a beagle?

c What fraction of a bloodhound's scent-detecting cells does a beagle have?

