

Solution 1: We are told there are 36 total bears and 3 types of bears at the zoo.

If 5/6 of the bears are *not* **polar bears**, then $5/6 \times 36 = 30$ of the bears are *either* **black bears** or **grizzly bears**.

If 25% of the bears are grizzly bears, then $0.25 \times 36 = 9$ of the bears are grizzly bears.

That means there are 30 - 9 = 21 black bears at the zoo.

Solution 2: Alternatively, if 5/6 of the bears are *not* **polar bears**, then $1/6 \times 36 = 6$ of the bears *are* **polar bears**.

If 25% of the bears are grizzly bears, then $0.25 \times 36 = 9$ of the bears are grizzly bears.

Subtracting the number of **polar bears** and **grizzly bears** from the total number of bears, we get 36 - 6 - 9 = 21 black bears.