



Name: ..... Form: .....

Based on pages 22 and 23 of *Life cycles*

# Saving the pando


Try this...

1. Read the following sentences about an imaginary animal, then calculate how its population will change.

**The pando is an imaginary species of mammal. There are only 100 pando left in the world. In one year 20 pandos die and ten are born.**

(i) What is the size of the population at the end of the year?  .....

**In the following year twenty pandos die but only five are born.**

(ii) What is the size of the population at the end of the year?  .....

**It is expected that the pandos will lose 25 animals every year, and not breed from now on because they are too spread out in their habitat.**

(iii) How long will it take for the pando to become extinct?  .....


2. Read the following sentences and answer the questions.

**Twenty pandos are taken from the wild and bred in zoos. In the next five years the twenty pandos produce 5 offspring a year and none of the pandos in the zoos die.**

(iv) How many pandos will be in zoos at the end of five years?  .....

**The eighty pandos left in the wild are placed in a national park. In the next five years only five pandos die each year and twenty pandos are born each year.**

(v) How many pandos are present in the national park after five years.  .....

(vi) What is the total world population of pandos after five years of breeding them in zoos and protecting them in a national park?  .....