



## Key Stage 4 Answer Sheet

1

1462 m<sup>2</sup>

{Mathematics}

2

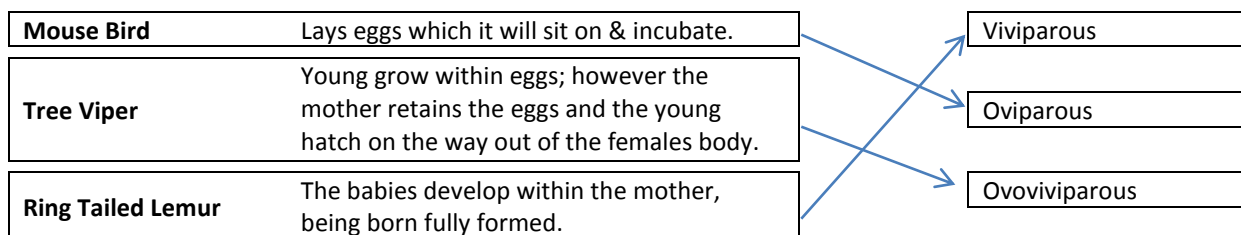
**A** – As populations of Tiger prey items such as deer are hunted for food by humans there is more competition between Tigers for food. This has 2 effects on Tiger populations which are firstly that pockets of Tiger populations are driven apart even further, and secondly if new territories cannot be found and animals are forced in to areas with insufficient food Tigers may die of starvation. Finally as Tigers are driven in to areas of human habitation in the search of food, and when they both compete for the same prey Tigers may be indirectly hunted out of human protection & survival.

**B** – Any given area can only support a given number of Tigers with males not willingly sharing territories with other males (while they may allow several females to live there). As a result in small areas where males are often driven out and will not travel far to come back, there may be little genetic diversity leading to animals with poor health and low breeding potential. Also as above small viable pockets of land push Tigers in to areas of human habitation where they may be hunted if seen as a threat to human health.

**C** – As humans expand their settlements they have a variety of effects on Tiger populations including, decreasing the amount of food available for Tigers, removing habitat, segregating existing habitat in to small islands of viable land and the killing of “problem Tigers” which live in areas near human expansion.

{Science} {Citizenship}

3



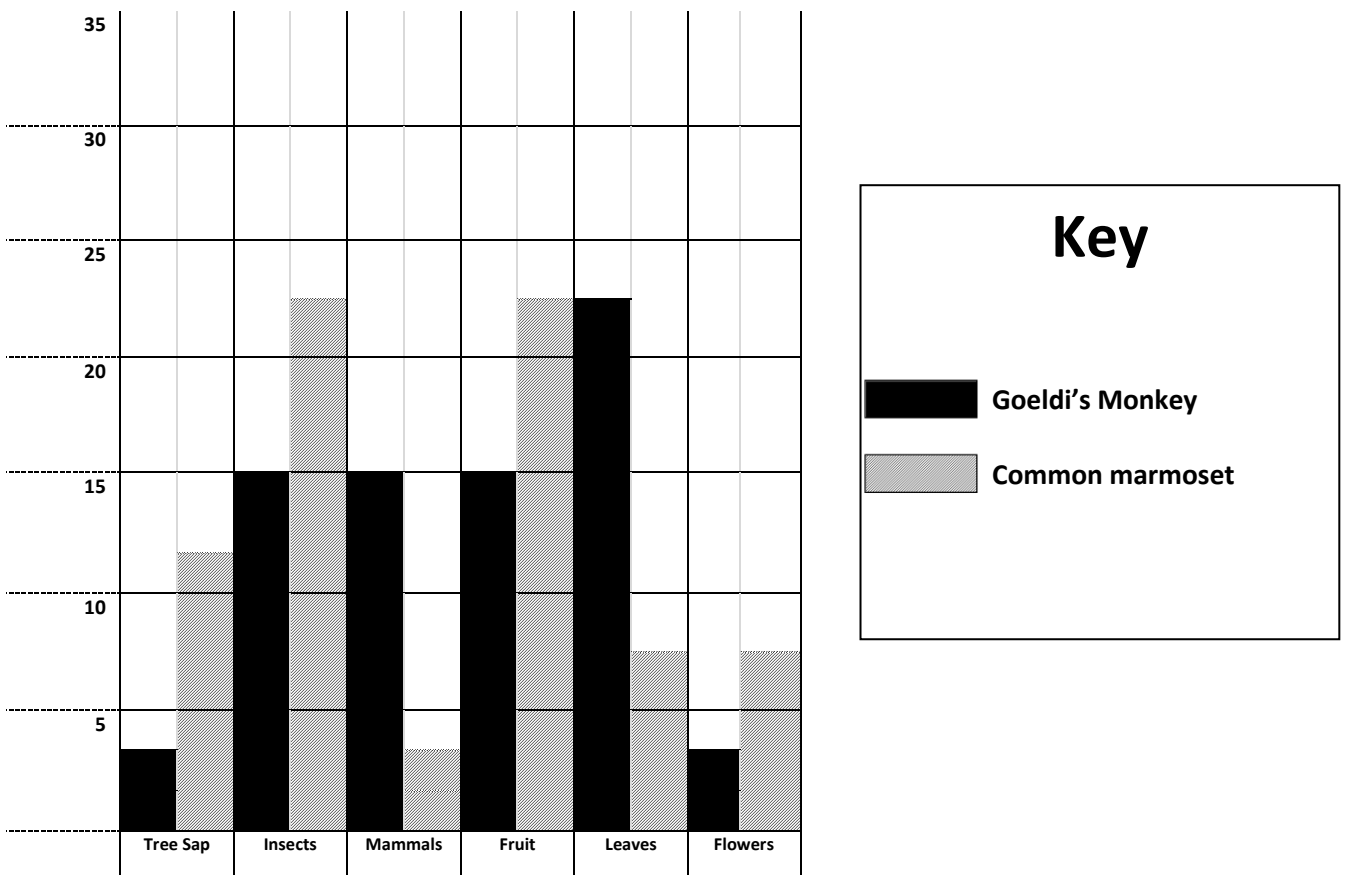
{Science}

4

A

Food Item	Goeldi's Monkey	Common Marmoset
Tree Sap	3.75g	11.25g
Insects	15g	22.5g
Mammals	15g	3.75g
Fruit	15g	22.5g
Leaves	22.5g	7.5g
Flowers	3.75g	7.5g

B



{Mathematics}

Final Page –

There are no right or wrong answers to the topics on the final page, instead these activities are designed to engage your pupils in open debate about issues which are faced by both the zoo world and animals in the wild.

{Citizenship} {PSHE} {English Language}