

REPUBLIC OF SOUTH AFRICA

EDUCATION

GRADE 12

MATHEMATICAL LITERACY P1

PRE-TRIAL EXAMINATION

2024

MARKS: 150

TIME: 3 HOURS

This question paper consists of 18 pages, 3 answer sheets and an Addendum with 1 annexure

INSTRUCTIONS AND INFORMATION

- 1. This question paper consists of FIVE questions. Answer ALL the questions.
- 2. Use the ANNEXURES and the ADDENDUM to answer the following questions
 - ANSWERSHEET A for question 2.3.2

Memorandum For Maths Literacy Grade September 2014

Brian Barrett, Ursula Hoadley, John Morgan **Memorandum For Maths Literacy Grade September 2014:**

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• Interactive and Gamified eBooks

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may 1964 was an indian anti colonial nationalist secular humanist social democrat 2 and author who was a central figure in india during the middle of the 20th century

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mammals and came from land based ancestors by comparing whale genes with other sequences in the genbank sequence database

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web in this two part activity students explore the idea of common ancestry by making hypotheses about relatedness among whales deer tigers seals and sharks they use an evolutionary tree to keep track of their hypotheses and observations about these animals

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web 12 when two groups of organisms independently evolve similar adaptations it s called convergent evolution sharks and whales both have streamlined bodies and tail flukes how do we know that these similarities are because of convergent evolution hint whales are tetrapods are sharks

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web whale has a much shorter and thicker humerus radius and ulna much longer metacarpals whale fin needs to be longer to help in movement through water thumbs are not necessary as they don't need to pick up and grasp things cat curved humerus shorter thinner humerus and ulna and radius smaller metacarpals and phalanges $g4\ u4\ l1\ lesson\ l$ where did the whales come from - Nov 29 2022

web d have students discuss the answers for completeness and to hear about how others compare and contrast the fossil animals to today s animals iii whale evolution timeline a explain to students that a timeline is a way to show or map something that has happened whether in recent times or in the past b show powerpoint whale evolution

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web the evolution of whales has been a mystery how did a large big brained mammal air breathing warm blooded giving birth to live young come to live entirely in water when mammals evolved

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web the evolution lab answer key one small step 6 it helps them to see and catch prey above them in the water 7 d 8 this tree

or an equivalent 9 c origin of whales 10 a 11 b 12 sample answer because sharks and whales are not closely related and did not inherit these traits from a common ancestor whales evolved from tetrapods sharks

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web cetacea balaenopteridae humpback whale eschrichtiidae grey whale physeteridae sperm whale delphinidae dolphin monodontidae beluga whale phocoenidae porpoise sirenia dugongidae dugong trichechidae manatee proboscidea elephantidae elephant perissodactyla equidae horse tapiridae tapir rhinocerotidae rhinoceros artiodactyla <u>lab5activity 3 whale evolution</u> - Sep 08 2023

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web in this unit students will study the evolution of whales from four limbed land dwelling mammalian ancestors to modern two finned aquatic mammals through a virtual or in class simulation lab this activity will teach them more about how fossils homologous structures and dna analysis provide evidence for macroevolution evolutionary theory

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web the evolution of whales the first thing to notice on this evogram is that hippos are the closest living relatives of whales but they are not the ancestors of whales in fact none of the individual animals on the evogram is the direct ancestor of any other as far as we know that s why each of them gets its own branch on the family tree

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empty gap between land animals and whales that first discovery reported by whale specialist philip gingerich and others was pakicetus place the pakicetus strip 3 on the timeline

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