Province of the
EASTERN CAPE
EDUCATION

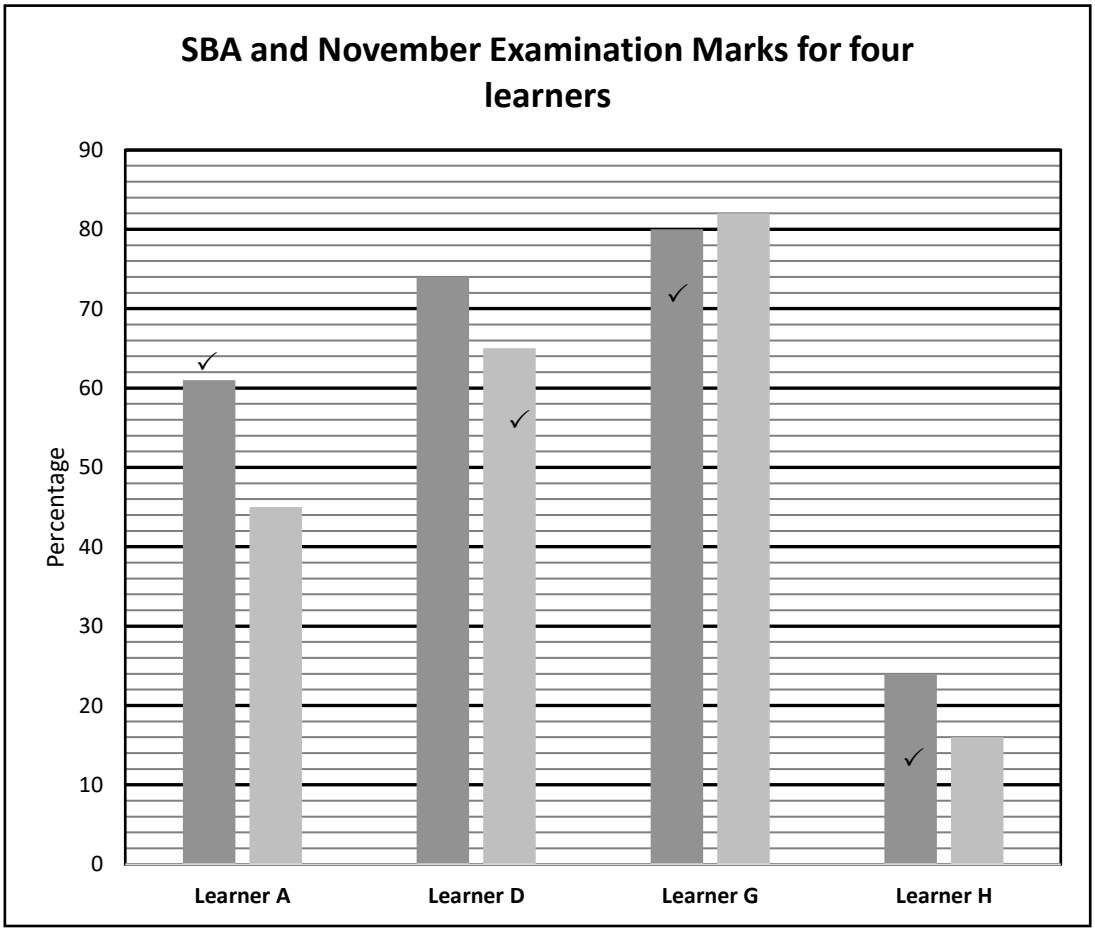
Iphondo leMpuma Kapa: Isebe leMfundo
Provinsie van Oos Kaap: Department van Onderwys
Provense ya Kapa Botjhabela: Letapha la Thuto

Grade 12 Mathematical Literacy Paper One

Marking Notes

Question	Solution
2.1.2	C.A from 2.1.1 There are several options that learners may use, please follow the learners and award marks if the procedure is Mathematically sound.
2.2.2	Accept after year one. If learners write 3rd of 4th year give 1 mark out of 2
2.2.3	Balance after 1st year: $R120\,000 \times \frac{15}{100}$ ✓M $= R18\,000$ ✓CA $R120\,000 + R18\,000 = R138\,000$ Balance after 2nd year: $R138\,000 \times \frac{15}{100} = R20\,700$ ✓CA $R138\,000 + R20\,700 = R158\,700$ ✓CA Balance after 3rd year: $R158\,700 \times \frac{15}{100} = R23\,805$ ✓CA $R18\,000 + R20\,700 + R23\,805 = R62\,505$ ✓CA **OR** $R120\,000 \times 1{,}15$ ✓M $\times\ 1{,}15$ ✓M $\times\ 1{,}15$ ✓M =R182 505 – R120 000✓ = R62 505✓CA

2.2.3	If learners used the compound interest formula correctly, award full marks. However, emphasise to the learners that using a formula is not allowed in Mathematical Literacy. Also, it must not be all learners using a formula, only a few who may have changed from Mathematics.
2.3.4	CA from 2.3.1 and 2.3.2
3.2	Answer Only – Full Marks
3.7	Mean SBA $= \frac{45+52+46+65+63+71+81+24+82+83}{10}$ ✓M $= \frac{612}{10}$ ✓M $= 61{,}2\%$ ✓CA Mean Nov Mark $= \frac{61+41+46+74+81+65+80+16+74+86}{10}$ ✓M $= \frac{624}{10}$ $= 62{,}4\%$ ✓CA Difference $= 62{,}4\% - 61{,}2\%$ ✓M $= 1{,}2\%$ ✓CA ∴ SBA marks will be used ✓O

3.8	
4.2	$\text{Cost} = (\text{P}3927{,}51 \times 4)\checkmark\text{M} + \text{P}13\,086 + \text{P}262\checkmark\text{RT}$ $\text{Cost} = \text{P}15\,710{,}04 + \text{P}13\,086 + \text{P}262$ $\text{Cost} = \text{P}29\,058{,}04\checkmark\text{CA}$ $\text{Cost in Rand} = \frac{\text{P}29\,058{,}04}{\text{P}0{,}7662} \times \text{R}1\checkmark\text{C}$ OR P29 058,04 x R1,3052 $\text{Cost in Rands} = \text{R}37\,924{,}88\checkmark\text{CA}$ R37 926,55
4.3	$\text{Range} = \text{Max} - \text{Min}$ $\text{Range} = \text{P}16\,780 - (\text{P}7\,832 + \text{P}393)\checkmark\text{RT}\checkmark\text{M}$ $\text{Range} = 8\,555\checkmark\text{CA}$