



ASSESSMENT & EXAMINATIONS

Bundy Park Building, Schornville, King Williams Town, Private Bag 4571 King Williams Town 5600
REPUBLIC OF SOUTH AFRICA, Website: www.ecdoe.gov.za

Ref. No 13/P

Tel: (043) 604 7708

Enquiries: Ms N Mbeleki

Fax: 043 604 7789

ERRATA

**TO: DCES: EXAMINATIONS (ALL DISTRICTS)
PRINCIPALS: SCHOOLS OFFERING MATHEMATICAL LITERACY**

**FROM: CES: ASSESSMENT AND EXAMINATIONS
MS N. MBELEKI**

**SUBJECT: ERRATA: MARKING MEMORANDUM FOR
MATHEMATICAL LITERACY P2**

DATE: 20 SEPTEMBER 2016

1. This is to inform all institutions offering **Mathematical Literacy P2** in **Grade 12** for the **2016 Trial Examination** that an error in the reproduction of the paper occurred in **QUESTION 3.1**.
2. Due to this omission, learners were unable to calculate the answer in **QUESTION 3.1.2**.
3. The mark allocation for this question (3.1.2) totals **3 marks**.



4. Please **amend** the marking memorandum and total mark allocation as follows:

a. QUESTION 3.1.1

3.1	3.1.1	<p>Annual income = 368 450 Tax bracket from table = 284 101 – 393 200 ✓RT</p> <p>Tax = 59 314 + 31% of the amount above = 284 100 = 59 314 + 0,31(368 450^{✓SF} – 284 100) = 59 314 + 0,31 x 84 350 ✓S = 59 314 + 26 148,50 – [(270 x 2) + 181 x 12]^{✓M ✓M} = 85 462,50 – 8652 R 76 810,50 $= \frac{\quad}{12} \quad \checkmark M$ = R6 400,88 Monthly = 368 450 ÷ 12 = R30 704,17 ✓M $\% = \frac{6\ 400,28}{30\ 704,17} \times 100$ = 20,85% ✓CA</p>	<p>1RT Correct tax bracket</p> <p>1SF</p> <p>1S 1M Multiplying by 12 1M Subtracting medical aid credits 1M dividing by 12 1M Monthly Income</p> <p>1CA % (8)</p>	L4
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b. QUESTION 3.1.2:

- All learners could not answer this question.
- Recommendation:
- Deduct the **3 marks** from the total (**150**) and calculate the final mark out of **147**. Convert the **147** back to **150** and proceed as normal.
- If a candidate scored 75 out of 150, the final mark will be calculated as follows:
 - $\frac{75}{147} \times \frac{150}{1} = 77,5$ (rounded off to **78**)



c. QUESTION 5.1.2

5.1	5.1.2	<p>Front doors = $2\ 700 \div 397$ $= 6$ doors ✓M $= 1\ 830 \div 716$ $= 2$ doors ✓CA No. of doors = 6×2 $= 12$ doors in 1 board ✓CA Doors needed = 20 2 boards needed ✓A</p> <p>Sides = $2700 \div 540$ $= 5$ ✓M $1\ 830 \div 720 = 2$ No. of sides = $5 \times 2 = 10$ Boards needed = 2 ✓CA</p> <p>Back = $2\ 200 \div 720 = 3$ $1\ 200 \div 800 = 1$</p> <p>3 in 1 board ✓M \therefore For 10 backs = 4 boards ✓CA</p> <p>Bottom = $2\ 700 \div 540$ $= 5$ $1830 \div 716 = 2$ $5 \times 2 = 10$ No. of boards = 2 ✓CA</p> <p>Top = $3\ 400 \div 780 = 4$ For ten cupboards = 3 tops ✓M</p>	<p>1M Number of doors - length 1M Number of doors - width 1CA Total doors</p> <p>1A Number of boards</p> <p>1M Number of sides</p> <p>1CA Boards needed for sides</p> <p>1M Calculating the backs 1CA Number of boards</p> <p>1CA Number of boards</p> <p>1M Number of tops (10)</p>	L3
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We apologise for any inconvenience caused.

Yours in Quality Education



CES: ASSESSMENT AND EXAMINATIONS
N. MBELEKI

20/9/2016
DATE

