



NATIONAL SENIOR CERTIFICATE EXAMINATION
SUPPLEMENTARY 2014

MATHEMATICAL LITERACY: PAPER II
ANSWER BOOKLET MARKING GUIDELINES

Time: 3 hours

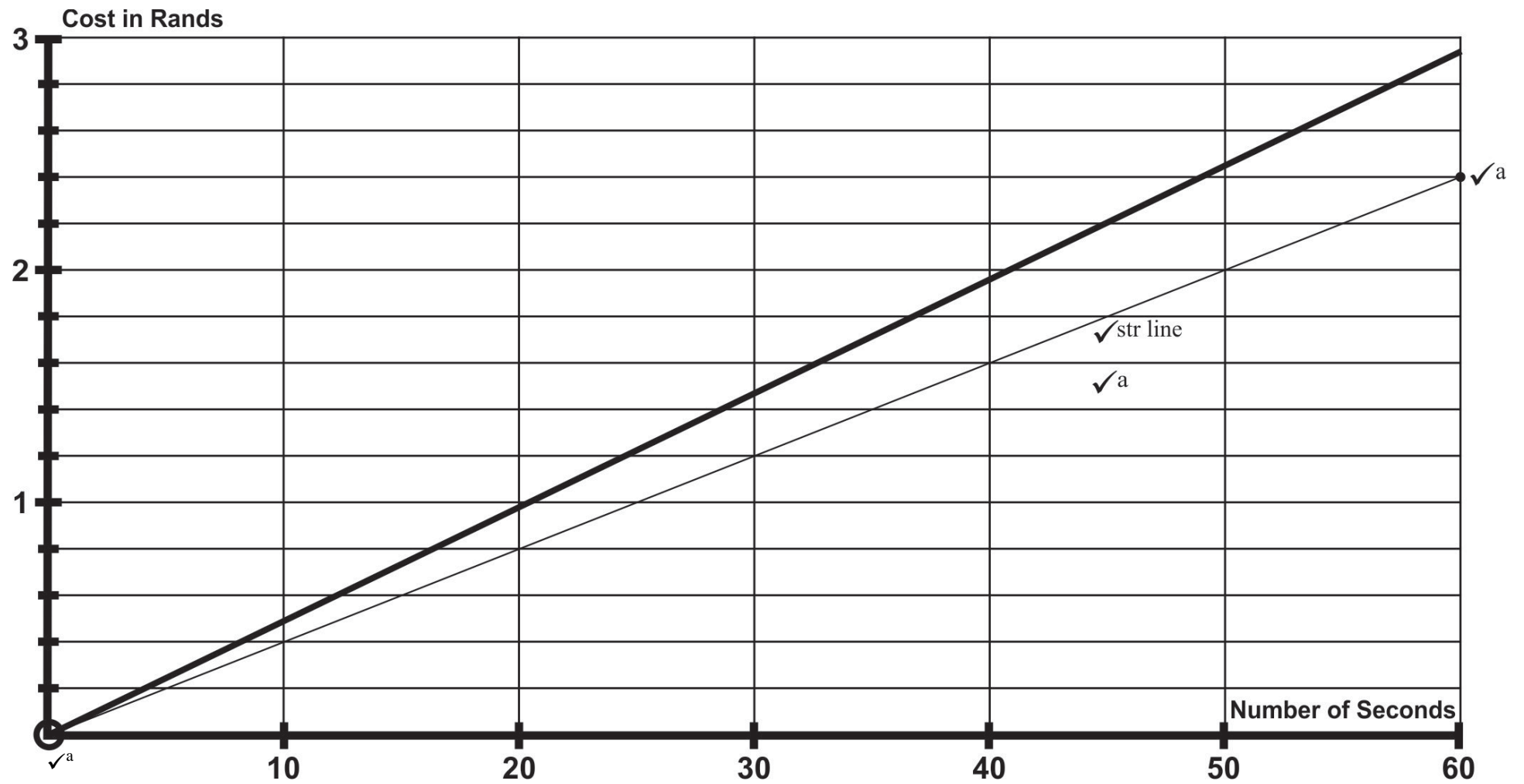
150 marks

QUESTION 1.3

Calls	From Company A to ...	Peak or Off-Peak	Length of call	Cost per second	Cost of call (in Rands and Cents)
Call 1	Company A	Peak	56 seconds	(a) 4,5c ✓ ^a	(b) R2,52 ✓ ^a
Call 2	Another service provider	Off-Peak	1 minute 23 seconds	(c) 4,4c ✓ ^a	(d) R3,65 ✓✓ ^a
Call 3	Company A	Off-Peak	(e) ✓ ^a 132 sec or 2 min 12 sec	4c	R5,28
Call 4	(f) Another service provider ✓ ^a	Peak	50 seconds	(g) 4,9c ✓✓ ^a	R2,45
Call 5	Company A	(h) Peak ✓ ^a	3 minutes 40 seconds	(i) 4,5c ✓✓ ^a	R9,90
Calls 6 – 98					R146,90
					Sub-Total (j) R170,70 ✓ ^a
					Free Amount of Airtime R99,00
					Total Due (k) R71,70 ✓ ^{ca}

(14)

QUESTION 1.4.2



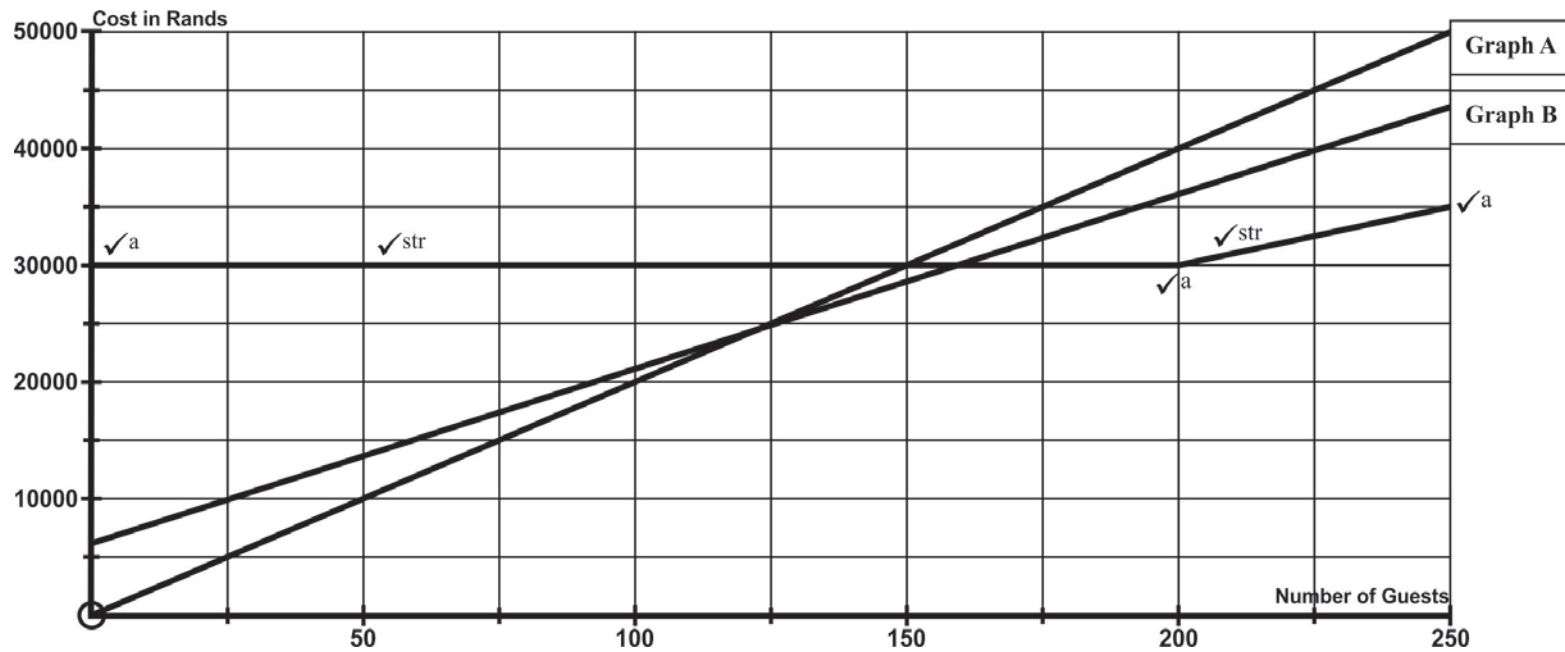
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QUESTION 4.2

Date	Location	Number of passengers killed	Number of survivors	Total passengers
30 January	Congo	3	2	5
12 February	Congo	(b) 3 ✓	3	6
15 March	Puerto Rico	2	0	2
2 April	Russia	31	12	(f) 43 ✓
20 April	Pakistan	(a) 0 ✓	127	(c) 127 ✓
9 May	Indonesia	45	0	45
2 June	Ghana	0	(d) 16 ✓	16
3 June	Nigeria	153	16	169
TOTALS		(g) 237 ✓	(e) 176 ✓	413

(7)

QUESTION 5.1.1(a) and QUESTION 5.1.1(c)



QUESTION 5.1.1(b)

Charges involved with package 1.

Number of People	0	50	200	225	250
Cost for Package 1 (in Rands)	R0 OR R30 000 ✓	R30 000 ✓	R30 000 ✓	R32 500 ✓✓	R35 000 ✓✓