



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

GRADE 12

COMPUTER APPLICATIONS TECHNOLOGY

OPTIONAL SPEED/ACCURACY QUESTION

FEBRUARY/MARCH 2013

MEMORANDUM AND SPEED COUNT

MARKS: Not applicable

This memorandum consists of 5 pages.

OPTIONAL QUESTION: SPEED/ACCURACY

The maximum key depressions for this question = 3 500 depressions for 70 wpm in 10 minutes.

It is strongly recommended that the Edutrap Speed Marking software be used to mark the Speed/Accuracy question.

Where the Edutrap Speed Marking software is not used, the information below must be used.

To determine the speed, mark according to the following mark schedule:

The same example is on page 36 of the *Subject Assessment Guidelines* (January 2008):

Number of key depressions in ten minutes	= 2 125
Gross number of words (number of key depressions, divided by 5) (5 depressions = one word)	= $2\,125 \div 5 = 425$
Less number of words with errors (e.g. 7 words with errors)	= -7 from 425
Equals number of words without errors	= 418
Divided by the time (ten minutes)	= $\div 10$
Equals net number of correct words per minute	= 41,8 wpm

Additional notes:

If any words are omitted or inserted, then every 5 depressions of the omission or insertion counts as one word, e.g. if the following words were omitted it would be counted as:

The |quick| brow|n fox| jump|s
1 | 2 | 3 | 4 | 5 |words

A capital letter counts as two depressions.

NOTE: The optional speed/accuracy question should only be marked in cases where the candidate could reach 20 wpm or more (1 000 depressions or more).

CONTENT						Upper case/ line spaces	Depressions	Total depressions
<p>Unlike its elephant cousin, the rhinoceros has little of the majesty to evoke worldwide sympathy. It is shy and seriously nearsighted. It does not dazzle with its intelligence. Yet, for millennia, these bulky lawnmowers have entranced humans with their horns. Ancient Arabs carved dagger handles from them. Western colonialists in Asia and Africa lined their parlours with the rhino horn trophies and sometimes fashioned ashtrays from the feet of the rhinos. Most of all, though, rhino horn was prized in Asia for its purported medicinal value. Ancient traditional Chinese medicine texts recommended the powdered horn for ailments like fever and arthritis, and modern-day practitioners have prescribed it for high blood pressure and even cancer.</p> <p>Not long ago, the Asian passion for the rhino horn was, in the greater scheme of things, manageable. But now that newly moneyed nations like China and Vietnam are part of trade networks that move products at jet speed, the fate of the rhinoceros hangs in the balance. This is the story of an animal under threat.</p> <p>There are five species of rhinoceros in the world: two in Africa and three in Asia. Two of the three Asian populations, the Sumatran and Javan varieties, are on the brink of extinction. The story in Southern Africa is more heartening. Back in the nineteen sixties, the African black rhino numbered about one hundred thousand, but its population waned to just two thousand four hundred in the early nineteen nineties. Today its numbers have doubled to about four thousand eight hundred - still low, but heading in the right direction. The real conservation success story has been the dramatic rebound</p>						1	61	62
						1	62	125
						2	62	189
							60	249
						2	60	311
						3	59	373
							62	435
						1	60	496
						1	58	555
						2	63	620
							61	681
							59	740
							25	765
						2		767
<p>20 wpm</p>						2	63	832
						1	58	891
						2	57	950
							58	1008
						1	58	1067
							20	1087
						2		1089
<p>There are five species of rhinoceros in the world: two in Africa and three in Asia. Two of the three Asian populations, the Sumatran and Javan varieties, are on the brink of extinction. The story in Southern Africa is more heartening. Back in the nineteen sixties, the African black rhino numbered about one hundred thousand, but its population waned to just two thousand four hundred in the early nineteen nineties. Today its numbers have doubled to about four thousand eight hundred - still low, but heading in the right direction. The real conservation success story has been the dramatic rebound</p>						2	59	1150
						4	63	1217
						2	54	1273
						3	63	1339
						2	63	1404
							61	1465
							59	1524
						1	60	1585
<p>Today its numbers have doubled to about four thousand eight hundred - still low, but heading in the right direction. The real conservation success story has been the dramatic rebound</p>						1	62	1648
							62	1710

CONTENT						Upper case/ line spaces	Depressions	Total depressions
of the African white rhino. A century ago, there were as few as fifty of the beasts alive. Now, because of field conservation efforts, relocation of the animals to safer regions and expanded wildlife refuges, the population has reached around twenty thousand.						2	62	1774
						1	53	1828
							57	1885
							58	1943
							31	1974
But over the past few years, the news from Africa has not been good. Poaching was once restrained, but is now out of control. Although the current poaching levels are not high enough to suppress the natural population growth of rhinos in southern Africa, they are edging ever closer to the tipping point.						2		1976
						2	63	2041
						1	55	2097
						1	60	2158
							62	2220
Today's illicit rhino horn trade is not just small-time poachers picking off a stray beast or two. Instead, law enforcement officials say, global syndicates are organising the lucrative business. By weight, rhino horn can be worth more than gold, fetching tens of thousands of dollars a kilogram in China or Vietnam, by far the two biggest markets for the illegal material, according to environmental watchdog groups. Individual horns can be transported easily as they are compact.						1	60	2281
							6	2287
						2		2289
						1	56	2346
						1	57	2404
The value of rhino horn explains why poachers often use expensive equipment like light aircraft, helicopters, tranquiliser guns and night vision goggles to pursue their quarry. African game rangers, safari guides and wildlife officials have been caught dabbling in the trade. A continent away, Chinese business interests are investing in a shadowy rhino farming scheme that threatens to contravene international law.							60	2464
						1	60	2525
							56	2581
						2	61	2644
							62	2706
						1	60	2767
							12	2779
						2		2781
						1	56	2838
							54	2892
							59	2951
						1	58	3010
						1	62	3073
						1	60	3134
							50	3184
							18	3202
						2		3204

CONTENT							Upper case/ line spaces	Depressions	Total depressions
Wildlife crime is linked to a host of other criminal syndicate pursuits. When Interpol organised a two-day operation to nab ivory and rhino horn smugglers across six countries in Southern Africa two years ago, only a handful of rhinoceros horns were recovered, but forty-one arrests were made.							1	63	3268
							2	62	3332
								55	3387
							2	60	3449
								54	3503