



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

20 wpm

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

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