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### 2010 Practice Test 2 – Calculator allowed

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You h	nave 4	10 mi	nutes	s to co	mple	ete th	nis te	est.											
You a	are <b>all</b>	owe	<b>d</b> to ι	use a o	calcu	Ilatoi	r.												
You s	hould	l use	a pe	ncil to	write	e you	ur an	iswe	rs or	shad	de in	the	bub	ble.					
If you make a mistake, rub it out thoroughly.																			
5																			
The fo	llowing	a test i	has b	een de	siane	d bv 3	3P Le	arnin	a to p	repar	e stu	dents	for t	he Na	tiona	Ass	essm	ent	
Progra	am Nur	merac	y Test	t. This t	est is	to be	usec	for r	evisio	n pur	pose	s only	. 3P	Learn	ning d	loes r	not gu	arant	ee
that the format of this test is the same as an actual test.																			

1

Calculate the answer:			Shada ana hubbla
4.13 x 0.07 =			Sindle offe bubble.
0.2891	0.3304	○ 2.891	
○ 28.91	33.04		
Calculate the answer:	$\frac{6 \times 5.14}{3 \times 10.1}$ = (correct	to two decimal place	es)
	]		Write the answer in the box.
The digits 4, 5 and 6 a 2a + b - c = 8 If <i>b</i> is 4, the value of <i>c</i>	are substituted into the	following equation:	Shade one bubble.
(5.2-3.6)	$\frac{32}{x \ 14}$ is closest to:		Shade one bubble.
(5.2-3.6) <sup>3</sup> – <u>2.1</u> — - 254	$\frac{32}{x \ 14}$ is closest to:	<u> </u>	Shade one bubble.
$(5.2-3.6)^3 - \frac{3}{2.1}$ $\bigcirc -254$ $\bigcirc -119$	$\frac{32}{x \ 14}$ is closest to: $\bigcirc -255$ $\bigcirc 3$	<u> </u>	Shade one bubble.
$(5.2-3.6)^3 - {2.1}$ $\bigcirc -254$ $\bigcirc -119$	$\frac{32}{x \ 14}$ is closest to: $\bigcirc -255$ $\bigcirc 3$	<u> </u>	Shade one bubble.
$(5.2-3.6)^3 - {2.1}$ $\bigcirc -254$ $\bigcirc -119$	$\frac{32}{x \ 14}$ is closest to: $\bigcirc -255$ $\bigcirc 3$	<u> </u>	Shade one bubble.
$(5.2-3.6)^3 - 2.1$ $\bigcirc -254$ $\bigcirc -119$	$\frac{32}{x \ 14}$ is closest to: $\bigcirc -255$ $\bigcirc 3$	<u> </u>	Shade one bubble.
	4.13 x 0.07 = 0.2891 28.91 Calculate the answer: The digits 4, 5 and 6 a 2a + b - c = 8 If <i>b</i> is 4, the value of <i>c</i>	4.13 x 0.07 = $\bigcirc 0.2891$ $\bigcirc 0.3304$ $\bigcirc 28.91$ $\bigcirc 33.04$ Calculate the answer: $\frac{6 \times 5.14}{3 \times 10.1}$ = (correct The digits 4, 5 and 6 are substituted into the 2a + b - c = 8 If <i>b</i> is 4, the value of <i>c</i> is:	4.13 x 0.07 = 0.2891 $0.3304$ $2.89128.91$ $33.04Calculate the answer: \frac{6 \times 5.14}{3 \times 10.1} = (correct to two decimal placeThe digits 4, 5 and 6 are substituted into the following equation:2a + b - c = 8If b is 4, the value of c is:$

5	The square root of 2 600 is bet	ween:	Shade one bubble.
	O and 10	10 and 20	20 and 100
	$\bigcirc$ 100 and 1 000	1 000 and 1 000 000	
6	A test consists of 60 questions tested.	. It is structured so that each pa	rt of the English course is
	Comprehension: 24 Vocabulary: 9 Spelling: 12 Writing: 7 Grammar: 8		
	What is the ratio of Compreher	nsion questions to Grammar que	estions?
	<ul> <li>3:1</li> <li>1:4</li> </ul>	4:1 O 1:3 3:4	Shade one bubble.
7	A block of chocolate contains 3 arranged in equally sized rows If there are 7 columns, the num	35 small identical squares of cho nber of rows in the block of choo	ocolate solate is:
	<ul> <li>○ 2</li> <li>○ 5</li> </ul>	3 <u></u> 4	Shade one bubble.

**a**  $x x b^{y} = 675$ Shade one bubble. a, x, b and y are all whole numbers. If a = 5 and b = 3 then the values for x and y are: x = 2 $\bigcirc x = 3$  $\bigcirc x = 3$ *y* = 3 y = 2*y* = 5  $\bigcirc x = 2$  $\bigcirc x = 5$ *y* = 5 *y* = 2 K equals 3.25 x 10<sup>2</sup> Shade one bubble. L equals 2.53 x 10<sup>3</sup> M equals 5.204 x 10<sup>2</sup> N equals 3.52 x 10<sup>3</sup> List K, L, M and N in ascending order ○ K, M, N, L ○ N, M, L, K ○ N, L, M, K ○ K, M, L, N ○ L, K, M, N 10 If x = -4 then  $x^2 - 3x + 12$  is equal to: Shade one bubble. ○ -16 ○ 8 ○ 12 ○ 16

0	The difference betwee	n $\sqrt{8}$ and $\sqrt{2}$ is squ	ared. The result is:	
	<ul><li>1.96</li><li>5.96</li></ul>	<ul><li>1.9881</li><li>6</li></ul>	<u> </u>	Shade one bubble.
12	Peter's plane leaves Angeles (USA). The f Melbourne time. What day and time w	Melbourne airport at light takes a total of ill Peter's flight arrive	10:00 am on Tuesday 13.5 hours. Los Angele e in Los Angeles?	morning on its way to Los es time is 17 hours behind
				Write one number in the box.
13	How many edges are	there on a cube?		Shade one bubble.
	<u> </u>	<ul> <li>○ 6</li> </ul>	8	
	○ 12	○ 16		
14	An isosceles triangle size of the third angle	has two angles equa	al to 25°. What is the	Shade one bubble.
	○ 25°	○ 50°	○ 155°	
	○ 130°	○ 180°		
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•	The rhombus ABCD h Find the length of CD	Shade one bubble.		
	○ 0.12 cm	─ 6.72 cm	─ 7.62 cm	
	○ 10.04 cm	─ 10.78 cm		
16	In the diagram showr	n below, the size of ang	gle <i>a</i> is:	
		65°	a°	
	<ul><li>○ 180°</li><li>○ 125°</li></ul>	<ul><li>○ 115°</li><li>○ 65°</li></ul>	○ 130°	Shade one bubble.
Ū	A cube is constructed	l from 27 smaller cube ube is painted red.	s (as shown).	
	How many of the sma painted?	aller cubes will have ex	kactly 2 sides	
	<ul><li>○ 2</li><li>○ 12</li></ul>	<ul><li>○ 4</li><li>○ 16</li></ul>	<u> </u>	Shade one bubble.





<ul><li>─ 4 cm</li><li>─ 20 cm</li></ul>	─ 8.94 cm	○ 9.48 cm	
	─ 40 cm		Shade one bubble.
Students in Mr. Finch's nad on average \$14.4	s class had a total of \$3 0. How many students	360.00 to spend at the s are in Mr. Finch's class	chool fete. Each student ?
<ul><li>○ 15</li><li>○ 23</li></ul>	<ul><li>17</li><li>25</li></ul>	<u> </u>	Shade one bubble.
There are 26 students 5 students were late to f 5 of the students late vere on time?	in Mrs Block's mathem o class. e to class were boys, w	natics class: 14 girls and	l 12 boys. o Boys that
<ul> <li>14:12</li> <li>13:7</li> </ul>	<ul> <li>5:1</li> <li>26:5</li> </ul>	O 9:11	Shade one bubble.
	Students in Mr. Finch's and on average \$14.4 15 23 There are 26 students students were late to 5 of the students late vere on time? 14:12 13:7	Students in Mr. Finch's class had a total of \$2 and on average \$14.40. How many students 15 17 23 25 There are 26 students in Mrs Block's mathem 14:12 5:1 14:12 5:1 13:7 26:5	Students in Mr. Finch's class had a total of \$360.00 to spend at the s had on average \$14.40. How many students are in Mr. Finch's class?

27	A triangle that is 25	cm high has an area	of 50 cm <sup>2</sup> . The base of th	e triangle measures:
	─ 1 cm	─ 2 cm	─ 4 cm	
	○ 8 cm	─ 12 cm		Shade one bubble.
28	A bag contains 3 re are drawn from the	d marbles, 5 white ma bag and not replaced	arbles and 2 blue marbles	. Two white marbles
	What is the probabi	lity the next marble dr	awn will be white?	
	○ 5	○ 3	0.5	Shada ana hubbla
	○ 0.375	0		
<u> </u>				
29	A solid piece of cho	ocolate (A) measures	20 cm x 10 cm x 15 cm.	
	A 2 cm cube (B) ha	s been cut from the or	riginal block.	
	The change in surfa	ace area for block A is	:	
				Shade one bubble.
		•		
		A		
			B	
	2		2	
	○ 8cm <sup>2</sup> more su	rtace area	○ 24cm <sup>2</sup> more st	urrace area
	$\bigcirc$ 24cm <sup>2</sup> less su	urface area	O No change in su	irface area
	$\bigcirc$ 8cm <sup>2</sup> less sur	face area		

Tony runs a small catering business that delivers snacks and lunches to local factories.

He asked his customers if they preferred sandwiches or wraps for lunch.

The results are shown in this table.

30

	Filling	Sandwiches	Wraps
Special 1	Ham and Green Salad	80	45
Special 2	Chicken and Garden Salad	68	32
Special 3	Tuna, Cheese and Tomato	35	50

What is the probability that for Special 3 (Tuna, Cheese and Tomato) a wrap will be chosen?



# **END OF TEST**