NATIONAL TEST 2013 Mathematics - Standard I

NO.	TEST ITEMS	WORKING COLUMN	Do Not Write Here
1.	Write in words the number 27. Answer: Twenty seven	The number is 27. Tens Ones 2 7 2 tens is $2 \times 10 = 20 = t$ wenty 7 ones is $7 \times 1 = 7 = s$ even 27 in words is twenty seven	
2.	Order the numbers from the smallest to the largest. 63 56 65 Answer: 56 63 65	The tens digit of the numbers are 6, 5 and 6. 5 is the smallest of the three. Therefore, the number that starts with 5, which is 56, is the smallest number. The remaining two numbers are 63 and 65. They both have the same tens digit. Their ones digit are 3 and 5 and 3 is smaller than 5. So 63 is smaller than 65. Tens Ones 5 6 6 3 6 5 The numbers from the smallest to the largest are 56, 63 and 65.	

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3.	Add 54 and 38. Answer: 92	T O Adding the ones 1 4 + 8 = 12 5 4 = 1 ten and 2 ones + 3 8 Adding the tens 9 2 $5+3+1=9$ $54+38=50+4+30+8$ $=50+30+4+8$ $=80+12$ $=80+10+2$ $=90+2$ $=92$	
4.	Shade the whole with four equal parts. Answer:	All the shapes are divided into 4 parts. Only the square is divided into 4 equal parts. Hence, the square is shaded.	

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5.	From 56, take 29. Answer: 27	T O 5 tens and 6 ones = 4 tens and 16 ones Subtract ones 16-9=7 ones Subtract tens 4-2= 2 tens OR Counting on from 29: 1 + 10 + 10 + 6 = 27 $+1$	
6.	Complete the number sequence. 78, 68, 58,, Answer: 78, 68, 58, 48, 38	Subtract 10 Subtra	

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7.	These are Bob's toy trucks. Bob shares them equally among his five friends. How many toy trucks will each friend get? Answer: 3 trucks	There are 5 friends and each must get the same number of trucks. Draw 5 sets and share one truck at a time until no trucks are left. 1 2 3 4 5 Each friend will receive 3 trucks.	
8.	Jenna bought 6 packs of crayons. Each pack had 4 crayons. How many crayons did she buy altogether? Answer: 24 crayons	Each pack has 4 crayons. There are 6 packs. The number of crayons bought $= 4 + 4 + 4 + 4 + 4 + 4$ $= 4 \times 6$ $= 24$	

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9.	Shade the coins that make up one dollar.	To make up one dollar we can use	
	25 25c 25c 25c		
	Answer:		
	25 25c 25c	3 of 25 = $25 + 25 + 25 = 75$ c	
	10c 10c 10c	2 of $10^{\circ} = 10 + 10$ = 20 c	
	5c 5c 5c	1 of 5¢ = 5 c = 100 c	
	OR	OR	
	25 25c 25c	3 of 25 = $25 + 25 + 25 = 75$ c	
4	10c 10c 10c	1 of 10¢ = 10 c	
	5c 5c 5c	3 of 5 $\phi = 5 + 5 + 5$ = 15 c = 100 c	

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10.	Tick (√) the box next to the correct answer. The height of a classroom is more than a metre less than a metre equal to a metre	The height of a child is more than than a metre. The height of a classroom is greater than the height of a child. The height of a classroom is therefore more than one metre.	
11.	The digital clock shows the time that Tom left school. 3:00 Draw the hands on the clock to show this time. Answer:	The digital clock shows 3:00 which is 3 o'clock. The minute hand should point to 12 and the hour hand should point to the hour which is 3.	

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12.	Container A is filled and container B is empty.	The width container A appears to be the same as the width of container B. Container B is about twice the	
	About how many of container A is needed to fill container B?	height of Container A. Therefore, it would take about 2 of Container A to fill Container B.	
	Answer: 2		
4			

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a.	Two shapes, S and T are drawn on a grid. S	 a. By counting, shape T is made up of 7 squares. Since each square has an area of 1 square unit, then the area of T = 7 square units b. By counting shape S is made up of 8 squares. Therefore, the area of S 8 square units 7 is less than 8. Therefore, T has a smaller area than S. 	

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14.	Andy bought:	Cost of 5 plums at \$1 each = \$1 + \$1 + \$1 + \$1	
	5 plums at \$1.00 each	= \$1×5 = \$5	
	1 gift box for \$8.00	Cost of the gift box = \$8	
	He paid with \$20.00. How much change did he get?	Then the total cost of 5 plums and 1 gift box = \$8 + \$5 = \$13	
	Answer: \$7	Andy paid with \$20. Andy's change = \$20 - \$13 = \$7	
15.	Name a shape with four equal sides.	A shape with four equal sides is a square.	
	Answer: Square		
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16.	Name the two solids. Answer: (i) Cylinder (ii) Cone	The given shape is a cylinder with a cone on top. Cone Cylinder	

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17. a.	Draw the next two shapes in the sequence. Answer:	a. The repeated unit in the sequence of shapes is made up of two triangles followed by a rectangle.	
b.	Circle the name of the 12th shape in the pattern. Triangle Rectangle	To continue the pattern, the next two shapes in the unit are	
		b. Every 3 rd shape is a rectangle. Rectangles will be the 3rd, 6th, 9th, 12th, 15th, and so on \times_{10th} 11th 12th The 12 th shape is a rectangle	

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18. a.	The table below shows the favourite colour of 20 children. Colour Tally No. of children Red H1	a. 5 children chose green as their favourite colour. Colour Tally No. of children Red HH	
	Answer: Red		

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19.	cars parked in Type of car Toyota Lancer Kia	Number of cars 17 12 11	 a. The largest number from 17, 12 and 11 is 17. Therefore, the most popular car is Toyota. b. The total number of cars parked in the car park = 17 + 12 + 11 = 40 	
b.	Answer: Toyota		T O Add the ones 7+2+1=10 ones 1 0 ones =1 ten and 1 one Add the tens 1+1+1+1=4 tens	

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20. a.	Favourite ice cream flavours of children Favourite ice cream flavours of children	 a. There are 4 cones in the column for chocolate. 1 cone = 1 child Therefore, the number of children who chose chocolate = 4. b. The column for strawberry has 5 cones. Therefore, 5 children chose strawberry. c. The number of children who chose orange pine = 3 The number of children who 	
	Answer: 4	chose vanilla = 3 Therefore, the total number of children who chose vanilla	
b.	Five children chose strawberry.	and orange pine = 3 + 3 = 6	
C.	The total number of children who chose vanilla and orange pine is 6.		

END OF TEST