

NATIONAL TEST 2014 Mathematics – Standard III

No.	TEST ITEMS	WOF	RKING COL	UMN	Do Not Write Here
1.	How many tens are there in 170? Answer: 7 tens	Hundreds 1	Tens 7 7 tens	Ones 0	
2.	What is the missing number in the sentence below? 87+==130 Answer: 43	We count up 13 +13 87	from 87 to + 30 +30	130. = 43	
3.	Round 2 344 to the nearest hundred. Answer: 2300	ThH2Our decision depends on t the immedia: digit which isIf this digit up and if it is down.Since 4 is les down, so 234 when express hundred.	undreds T 3 to round up the value of te right of t s the tens d is 5 or more s less than 5 ss than 5, we less than 5, we less than 5, we less than 5, we	ensOnes44or downthe digit tothe hundredsigit.e, we roundo we roundto 2300d to 2300hearest	



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4.	Circle the numbers that have a sum of 789. (a) 700, 89, 9 (b) 700, 800, 9 (c) 70, 80, 9 (d) 700, 79, 10 Answer: 700, 79, 10	We check all options to determine which one has a sum of 789. (a) $700 + 89 + 9 = 789 + 9$ = 798 Clearly this not equal to 789. (b) $700 + 800 + 9 = 1500 + 9$ = 1509 Clearly this is not equal to 789 (c) $70 + 80 + 9 = 150 + 9 = 159$ Clearly this is not equal to 789 (d) $700 + 79 + 10 = 779 + 10$ = 789 We now conclude that (d) is the correct answer	



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5.	There are 6 honeycomb cells around cell A. There are 8 honeycomb cells around cells A and B together.	Cell A has 6 cells around it. Cell B has 6 + 2 = 8 cells around it. So Cell C should have 8 + 2 = 10 cells around it. We verify by drawing IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	







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8.	Akeem, Sean and Mary are playing a board game. Akeem has 126 points.	a. Akeem has 126 points. Mary has 100 points less than Akeem.	
a.	Mary has 100 points less than Akeem. How many points does Mary have?	Therefore, Mary has 126 -100 points.	~
b.	Answer: 26 Sean has 3 times as many points as Akeem. How many points does Sean have? Answer: 378 points	$\frac{126}{\underline{-100}}$ $\frac{\underline{-100}}{\underline{26}}$ b. Sean has 3 times as many points as Akeem. Therefore, Sean has 126×3 or $126 + 126 + 126$ points. $\frac{\underline{H} \ \underline{T} \ \underline{O}}{\underline{1} \ \underline{2} \ \underline{6}}$ $+ \frac{\underline{126}}{\underline{126}} \times \frac{\underline{H} \ \underline{T} \ \underline{O}}{\underline{378}}$	



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9.	Deo planted 192 corn plants in rows. Each row had 8 plants.	Number of corn plants = 192 Number of plants in a row = 8	
	How many rows of corn did he plant?	Therefore, the number of rows will be the number of groups of 8 in 192. This will be 192 \div 8 = 24	
	Answer: 24 rows	H T O 8 1 9 ³ 2 2 4 - = 24 rows	



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10. a. b.	Keith had a bag of oranges to sell. On Monday he sold $\frac{1}{4}$ of his oranges. On Tuesday he sold $\frac{3}{8}$ of his oranges. On which day did he sell more oranges? Answer: Tuesday What fraction of his oranges was sold on Monday and Tuesday? Answer: $\frac{5}{8}$	a. On Monday Keith sells $\frac{1}{4}$ of his oranges. $ \begin{array}{r} x^{2} \\ \frac{1}{4} = \frac{2}{8} \\ \times 2 \end{array} $ On Tuesday Keith sells $\frac{3}{8}$ of his oranges. $ \begin{array}{r} \hline Monday & Tuesday \\ \hline 2 \\ \hline 8 \\ \hline 2 \\ \hline 8 \\ \hline \end{array} $ On Tuesday Keith sells $\frac{3}{8}$ of his oranges. $ \begin{array}{r} \hline Monday & Tuesday \\ \hline 2 \\ \hline 8 \\ \hline \end{array} $ Since $\frac{3}{8}$ is more than $\frac{2}{8}$ or $\frac{1}{4}$, Keith sold more oranges on Tuesday. b. Fraction of oranges sold on Monday = $\frac{2}{8}$ Fraction of oranges sold on Tuesday = $\frac{3}{8}$ Fraction sold on Monday and Tuesday = $\frac{2}{8} + \frac{3}{8} = \frac{5}{8}$	Write Here



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11.	Tick (✓) the most suitable unit used to measure the distance from San Fernando to Port of Spain. Centimetre (cm) Kilometre (km) Metre (m)	A centimetre is about the length of one finger nail. A metre is about the height of a desk. A kilometre is 1000 times the length of a metre. A kilometre is about the distance around a large playground. Therefore, the most suitable unit to measure the distance from San Fernando to Port of Spain is kilometres.	
12.	5 kilometres and 200 metres, expressed in metres is Answer: 5 200 metres.	If 1 kilometre = 1000 metres then 5 kilometres = 1000×5 = 5000 metres 5 kilometres and 200 metres, expressed in metres = 5000 + 200 5200	





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14. b.	A cinema show started at the time shown below. $I = \left(\begin{array}{c} 1 & 1 & 2 \\ 1 & 1 & 2 \\ 1 & 1 & 2 \\ 2 & 1 & 2 \\ 1 & 1 & 2 \\ 2 & 1 & 2 \\ 2 & 3 \\ 3 & 7 & 6 \\ 3 & 1 & 2 \\ 3 & 7 & 6 \\ 4 & 1 & 2 \\ 3 & 7 & 6 \\ 4 & 1 & 2 \\ 3 & 7 & 6 \\ 4 & 1 & 2 \\ 4 & 1 & 1 \\ 4 & 1 & 2 \\ 4 & 1 & 1 \\ 4 & 1 & $	 a. Since the minute hand or longer hand of the clock points to 12, the time is an exact hour. Image: The shorter hand or hour hand points to 3. Image: The shorter hand or hour hand points to 3. Image: The time is 3 o'clock which is the time that the show started. b. Counting backwards from 3 o' clock. One hour before 3 o'clock is 2 o'clock 	
4		hour before 2 o'clock is $\frac{1}{2}$ hour before 2 o'clock is half past one. Therefore, $1\frac{1}{2}$ hours, before 3 o'clock is half past 1 or 1:30. Therefore, Patrick left home at half past one.	



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15. a. b.	A square 'B' is drawn on the grid below. The grid is divided into unit squares. B B Calculate the area of square 'B'. Answer: 16 square units Draw a rectangle on the grid that has the same area as square 'B'. Answer: B B B B B B Calculate the area of square units Draw a rectangle on the grid that has the same area as square 'B'.	 a. In B there are 4 rows of 4 squares each. This totals 4 + 4 + 4 + 4 or 4×4=16 squares. Each square is a square unit. Therefore, the area of square B is 16 square units. b. The area of the rectangle is also 16 square units. We may rearrange the squares of B to form a rectangle. This can be done as a single row of 16 squares OR Two rows of 8 squares each 	



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16.	Nicole and Patsy rented the same car from Econo Car Rentals.	b. The rent of the car per week is \$325. Rent paid by Nicole for all 6 weeks	
a.	Nicole rented the car for 6 weeks at \$325 per week. How much did she pay to rent the car? Answer: \$1950	= \$325 x 6 = (\$300 + \$25) x 6 = \$300 x 6 + \$25 x 6 = \$1 800 + \$150 = \$ 1 950	
b.	Patsy rented the car for 2 weeks and paid \$670. Who paid less money per week? Answer: Nicole	c. For 2 weeks, Patsy paid \$670. Therefore, cost per week for the rental of Patsy's car = $$670 \div 2$ = $$335$ H T O 2 6 7 10 3 3 5	
		\$335 per week is paid by Patsy. \$325 per week is paid by Nicole. \$325 is less than \$335. Therefore, Nicole paid less money per week than Patsy.	









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19. a.	Name the shape that can be used to form a net of a cube.	a. The faces of a cube are made up of squares.	
ь.	Answer: Squares Complete the diagram to show a net of a cube.	 b. Six squares can be arranged to form the net of a cube. The incomplete shape has only 4 squares so we need to add 2 more squares. This can be done in many ways. 	
	Answer:	Other possible nets include:	







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21.	Four solids labeled A, B, C and D are shown below.	a. Shape A, the cylinder has a curved face.	
		Curved face all around the solid.	
	A B C D	b. Shape C, the triangular prism,	
۵.	Which of the solids has a curved face?	has 5 faces, 3 rectangular faces.	
	Answer: A	slant 1 face 5 face	
b.	Which solid has five faces?	2 base	
	Answer: C	triangular 3 slant face face	
С.	Which solid has twelve edges?		
	Answer: D	c. Shape D, the cuboid has 12 edges - 4 on the base, 4	
d.	Which solid is NOT a prism?	4 + 4 + 4 = 12	
	Answer: B	$ \begin{array}{c} 7\\ 8 & 5 & 6\\ 12 & 4 & 9 & 2\\ 1 & 1 & 1 & 2 \end{array} $	
		d. A prism is a solid that has two	
		same shape and size. Shapes	
		A, C and D are prisms.	
		B is NOT a prism - it is a triangular pyramid.	



No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here
22.	The following are scores of students of Standard Three in	Rewriting the scores in a table:	
	a marnematics test.	Times	
	18, 16, 12, 16, 19, 20, 18,	12 1	
	17, 16, 14	14 1	
)A/hatiatha mada)	16 3	
	what is the mode?		
	Answer: 16		
		20 1	
		The score which occurs most often	
		is 16. Therefore, the mode is 16.	
23.	The table below shows the	The total number of students in the	
	Standard Three students		
		The number of students who wear	
	Shoe Size Number of Students	sizes 4, 6 and 7 = 18 + 15 + 2 = 35	
	Size 4 18	35 students do not wear sixe 5	
	Size 5		
	Size 6 15 Size 7 2	The number of students who wear	
		Total number in the class - the	
	There are 50 students in the	number who do not wear size 5	
	class. How many students	= 50 - 35 = 15	
	wear Size 5?		
	Answer: 15		











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c.	If the teacher is giving an award for the best attendance. Which student would receive the award? Answer: Cathy	 c. The student with the best attendance would be the one who had the highest attendance. Cathy attended school for 40 days and this was the highest attendance in the group. Cathy would receive this award since she attended school more often than the rest of students. 	
d.	If the number of school days in the term is 53, which student was absent for 23 days? Answer: Dave	 d. The number of school days in the term = 53 A student who is absent for 23 days would be present for = 53 - 23 days = 30 days The student who attended school for 30 days is Dave. 	

END OF TEST