

11+ Entrance and Scholarship Examination 2019

MATHEMATICS

Time allowed:	45 minutes		
Name:			
Instructions:			
The test is 45	minutes long.		
You may not u	use a calculator.		
Section A con	tains 20 multiple (choice questions.	
Answer each of answer like the	question by drawi is:	ng a circle around	I the correct
А	В	С	D
Use the space	e on the paper for	working out.	

Attempt all questions, and use the space on the paper to clearly

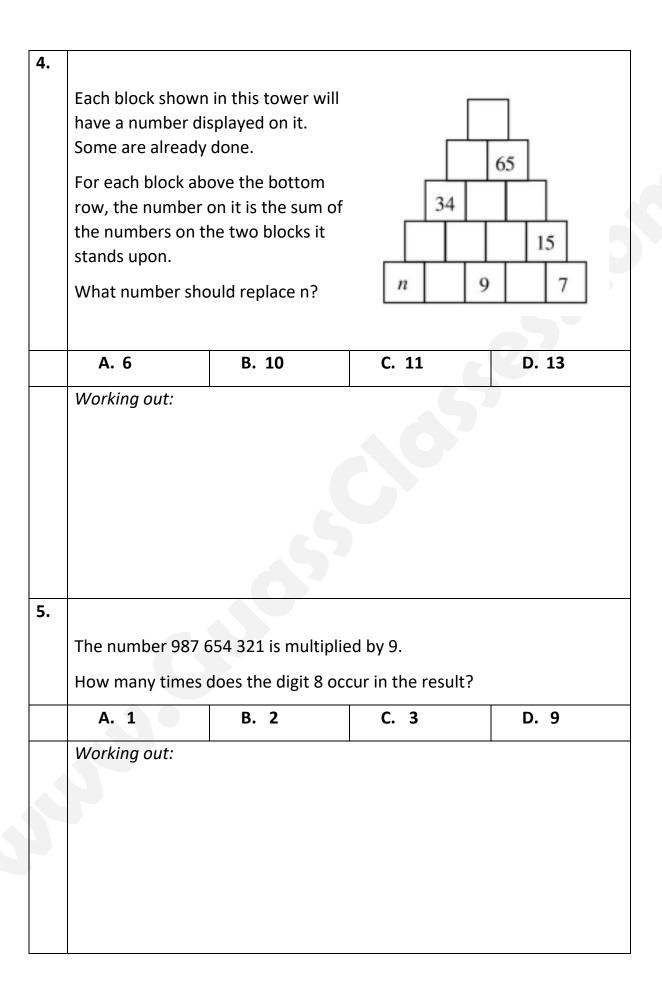
Section B contains 3 problem-solving questions.

show your working out.

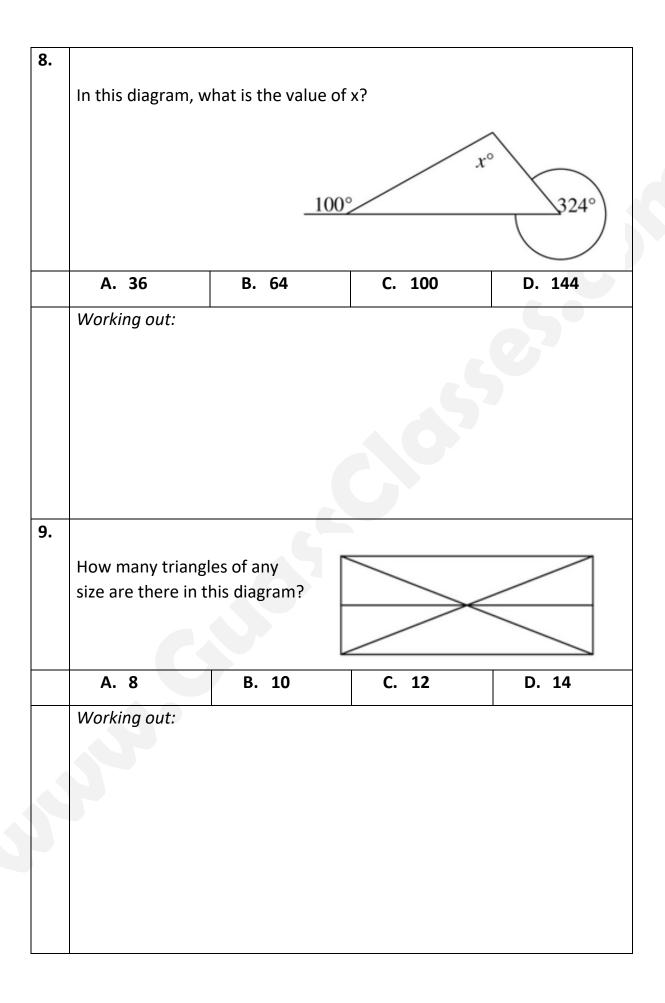
SECTION A: MULTIPLE CHOICE QUESTIONS

This section contains 20 questions.

		ence between the	argest and the s	mallest of the
	following number 0.9	0.17	0.72	0.73
	0.9	0.17	0.72	0.75
	A. 0.9	B. 0.17	C. 0.72	D. 0.73
·	Working out:			
l				
ĺ				
2.				
	What is the small digits?	est four-digit positi	ve integer which	has four different
	A. 1032	B. 1021	C. 1234	D. 1023
	Working out:			
	(3			
3.				
3.	What is (999 – 99	+ 9) ÷ 9 ?		
3.	What is (999 – 99	+9)÷9?		
3.	What is (999 – 99	+ 9) ÷ 9 ? B. 100	C. 101	D. 109
3.	A. 99		C. 101	D. 109
3.			C. 101	D. 109
3.	A. 99		C. 101	D. 109
3.	A. 99		C. 101	D. 109



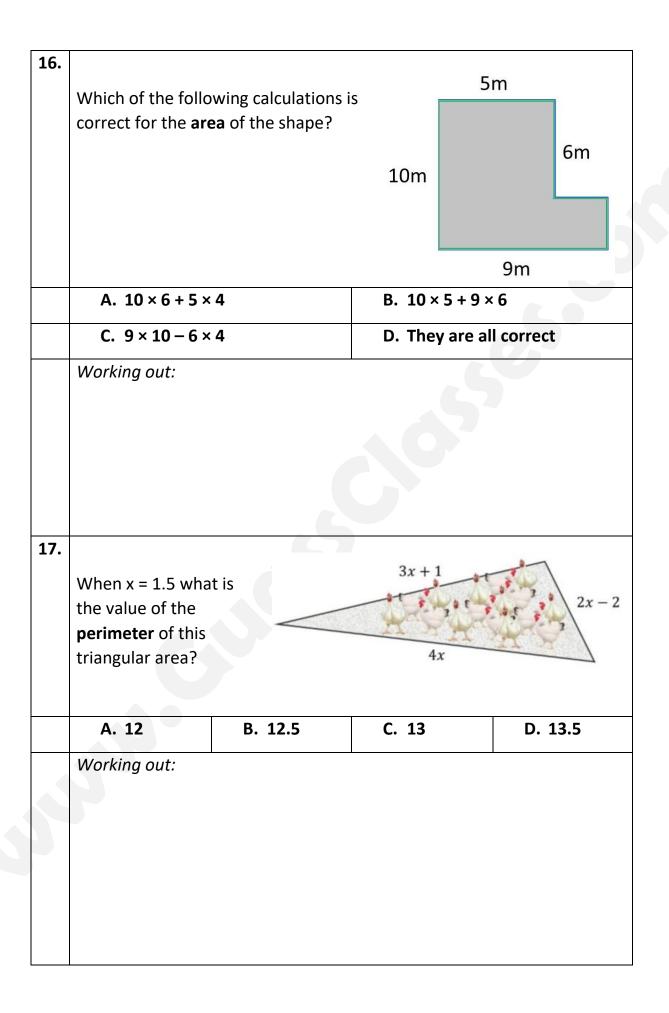
				T 2	
	A. 5	B. 7	C. 9	D. 11	
	Working out:				
7.					-
	What is the va	lue of 19 + 99 + 19 ×	99?		
	vviiat is the val	ide 01 13 1 33 1 13 A	33.		
	A 1000	B. 11 701	C. 13 563	D. None of	_
	A. 1999	Б. 11701	C. 15 565	these	
	Working out:				-
	Tronwing out				

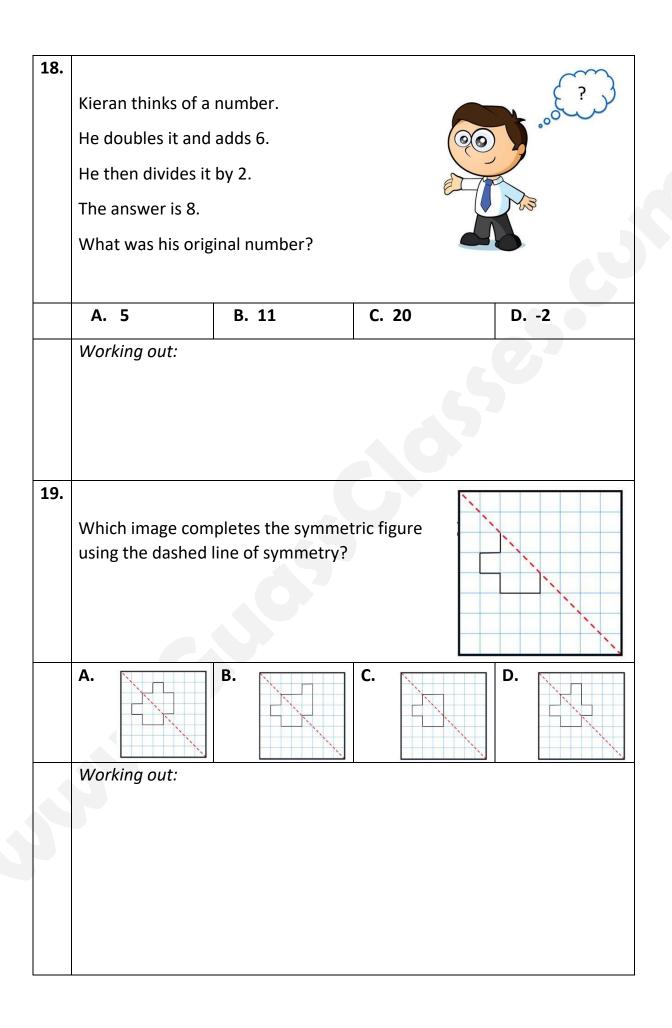


	A. 1+2×3+	4	B. 1×2+3>		-
	C. 1+2×3×		D. 1×2×3>		
	Working out:		D. 1 × 2 × 3 ×	`	
ļ !	Working out.				
11.					
! 	It was reported r	ecently that in an	average lifetime of	f 70 vears. each	
			average lifetime of Spiders while sleep		
	human is likely to that the populati	o swallow about 8 ion of the UK is ar	spiders while sleep ound 60 million, wh	oing. Supposing nat is the best	
	human is likely to that the populati estimate of the n	o swallow about 8 ion of the UK is ar	S spiders while sleep	oing. Supposing nat is the best	
	human is likely to that the populati	o swallow about 8 ion of the UK is ar	spiders while sleep ound 60 million, wh	oing. Supposing nat is the best	
	human is likely to that the populati estimate of the n	o swallow about 8 ion of the UK is ar	spiders while sleep ound 60 million, wh	oing. Supposing nat is the best	
	human is likely to that the populati estimate of the n	o swallow about 8 ion of the UK is ar	spiders while sleep ound 60 million, wh	oing. Supposing nat is the best	
	human is likely to that the populati estimate of the n UK each year?	o swallow about 8 ion of the UK is ar number of spiders	S spiders while sleep round 60 million, wh s that are consumed	oing. Supposing nat is the best I in this way in the	
	human is likely to that the populati estimate of the n UK each year?	o swallow about 8 ion of the UK is ar number of spiders	S spiders while sleep round 60 million, wh s that are consumed	oing. Supposing nat is the best I in this way in the	
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	A. 34 × 45	B. 45 × 56	C. 56 × 27	D. 67 × 78
		B. 45 ^ 50	C. 56 × 27	D. 67 × 78
'	Norking out:			
3.				
١	Which one of thes	se calculations is in	correct?	
	A. 4 × 5 + 67 =	45 + 6 × 7	B. 3×7+48=	37 + 4 × 8
	C. 2 × 5 + 69 =	25 + 6 × 9	D. 9 × 6 + 73 =	96 + 7 × 3
1	Norking out:			
'	Working out.			

	A. $\frac{1}{2}$	B. $\frac{3}{5}$	C. $\frac{4}{7}$	D. $\frac{5}{9}$	
		B. 5	C. ⁷ / ₇	D. $\frac{1}{9}$	
	Working out:				
15.					
15.	In the sequence	which begins 2 3	5 10 each nu	mher after the	
15.			, 5, 10, each nu us numbers in the		
15.	second is the su	m of all the previo	us numbers in the		
15.	second is the su		us numbers in the		
15.	second is the su What is the 10 th	m of all the previo	us numbers in the quence?	sequence.	
15.	second is the su What is the 10 th A. 47	m of all the previo	us numbers in the		
15.	second is the su What is the 10 th	m of all the previo	us numbers in the quence?	sequence.	
15.	second is the su What is the 10 th A. 47	m of all the previo	us numbers in the quence?	sequence.	
15.	second is the su What is the 10 th A. 47	m of all the previo	us numbers in the quence?	sequence.	
15.	second is the su What is the 10 th A. 47	m of all the previo	us numbers in the quence?	sequence.	





20.	I choose three numbers from this number square, including one number from each row and one number from each column. I then multiply the three numbers together. What is the largest possible product?				2 5 8	3 6 9
	A. 96	B. 105	C. 162		D. :	504
	Working out:				0,3	

END OF SECTION A

MOVE STRAIGHT ONTO SECTION B

SECTION B: PROBLEM-SOLVING QUESTIONS

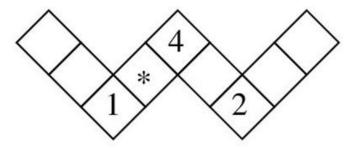
This section contains 3 questions.

Use the space on each page to clearly show your working out.

1.	
	A swimming pool has a length that is four times its width.
	The length and width are both multiples of 5.
	The perimeter is less than 150m.
	How many different widths could it have?

2.

The numbers from 1 to 9 inclusive are to be placed, one number in each square, in to the shape shown below, so that the total of the three numbers in each of the four lines is the same.



Which number should replace *?

3. 0 U R 0 U R 0 U R Ε Н Ε In this word sum – each letter represents a different digit. What digit does each letter represent?

TEST COMPLETE

NOW GO BACK AND CHECK YOUR WORK CAREFULLY