11+ ENTRANCE TEST 2019

MATHEMATICS

Time allowed: 45 minutes

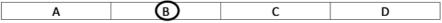
Instructions:

The test is 45 minutes long.

You may not use a calculator.

Section A contains 20 multiple choice questions.

Answer each question by drawing a circle around the correct answer like this:



Use the space on the paper for working out.

Section B contains 3 problem-solving questions.

Attempt all questions, and use the space on the paper to clearly show your working out.

SECTION A: MULTIPLE CHOICE QUESTIONS

This section contains 20 questions.

1.							
			8	0	8	6	
		+	4	3	5	5	
	A. 1231311	B. 12441			C. :	12341	D. 12301
	Working out:						
2.	What is the answ	er to	0	.2 × (0.03		
	A. 6	B. 0.600			C. (0.006	D. 0.6
	Working out:						
3.	Work out		6-	- 2 +	3 × 4	4	
	A. 28	B. 16			C	18	D. 4
	Working out:						

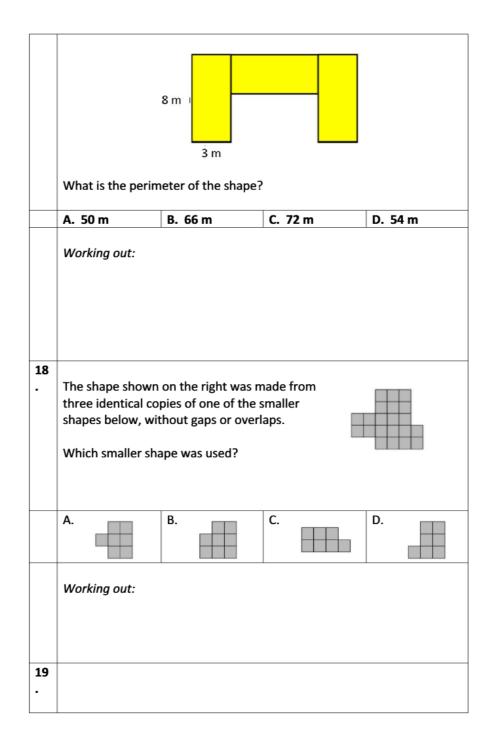
4.	first even multiple	e of 7?	rime number is sub			
	A. 5	B. 11	C. 12	D. 13		
	Working out:					
5.	Frankrick Street					
	Evaluate this expr		7., 0-1			
	x = 9	5(bx + /	7y – 8z)			
	y = 3					
	z = 6					
	A. 95	B. 120	C. 135	D. 180		
	Working out:					
6.	Add brackets to this calculation to that the answer is 5 $22-10+8 \div 4$					
	A. 22 – (10 + 8) ÷ 4					
	B. (22 - 10) + 8 ÷		D. 22 – 10 + (8 ÷			
	Working out:					

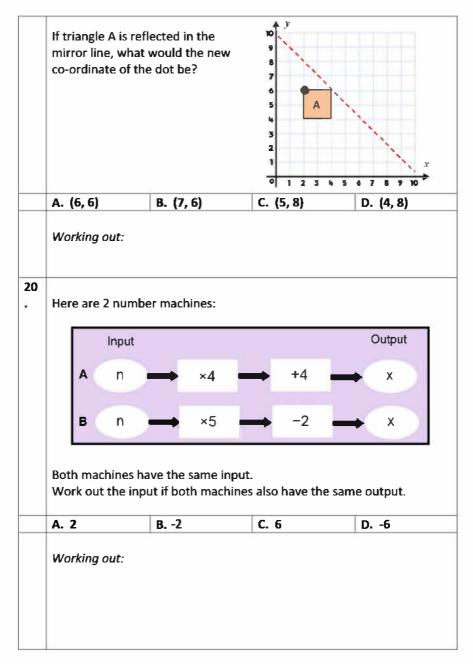
/.	Calculate 836 × 45							
		•	030 × 43					
	A. 37620	B. 37520	C. 37420	D. 37610				
	Working out:							
8.	Which statement is true?							
	A. 24×70 =	48 × 35	C. 24×70 =	C. 24 × 70 = 12 × 35				
	B. 24 × 70 =	48 × 46	D. 24×70 =	D. 24 × 70 = 48 × 140				
9.	A room measures 8m by 20m. Isabelle wants to tile the floor with square tiles. What is the length of the largest tile she can use so that all of the floor will be covered?							
	A. 2m	B. 3m	C. 4m	D. 5m				
	Working out:							

Sarah has these digit cards: 5 2 4 She makes a 2-digit number and a 1-digit number using all the cards.
She multiplies them together. Her answer is a multiple of 3. Which of the following could NOT be a possible answer?
A. 25 × 4 B. 42 × 5 C. 54 × 2 D. 24 × 5
Working out:
11 Train starts at station A at 10: 45 am and reaches Station B at 13:20
it stops for 10mins in between. How much is the travel time from station A to B if it doesn't stop in between.
it stops for 10mins in between. How much is the travel time from
it stops for 10mins in between. How much is the travel time from station A to B if it doesn't stop in between.

•	What	t fraction is h	nalf-wa	y between	2 ar	nd 2.5 ?			
	A.	7/2	B.	7/4	C.	9/4	D. 11/4		
	Work	king out:							
13	4 1 645								
	A. (4.65 × 15) ÷ 19				C. (4.65 ÷ 15) × 19				
	B. (1	5 ÷ 4.65) × 1	.9		D. ((15 ÷ 4.65) ÷ 1	19		
	Work	king out:							
14	I am thinking of a number. I multiply it by 4 and add 3 to it. My solution is 23. What is my number?								
	A. 5		B. 80)	C. 6	5.5	D. 8.75		
	Work	king out:							
15	A he	kagon is wor	th 6 pc	ints.					

	A square is worth 4 points.							
	How much is a tri	angle worth?						
	• _ (• =	• 📃					
	A. Can't tell	B. 1	C. 2	D. 4				
	Working out:							
16	Here is a pattern made from grey and white tiles							
	Shape 1	Shape 2	Shape 3					
	A shape in the par	ttern has 28 grey t	iles.					
	How many white tiles does it have?							
	A. 28	B. 15	C. 14	D. 9				
	Working out:							
17	This shape is mad	e up of 3 identical	rectangles.					





SECTION B: PROBLEM-SOLVING QUESTIONS

This section contains 3 questions.

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

Find an estimate for the number of words in the book.
2.

	What is the smallest possible difference between two different nine- digit numbers, each of which includes all of the digits 1 to 9?
	For example the two numbers could be: 123456789 and 987654321
	125 1567 65 WING 567 65 1521
3.	

In the expression below:
1 🗆 2 🗆 3 🗆 4
each ☐ is to be replaced by either + or ×.
What is the largest value of all the expressions that can be obtained in this way?

TEST COMPLETE NOW GO BACK AND CHECK YOUR WORK CAREFULLY