

Winter Round 2019./2020.

SCHOOL	
TEAM NUMBER	
CATEGORY	Year 3
COMPETITION	
COMISSIONER	

NO.	FIRST AND LAST NAME OF	YEAR	FIRST AND LAST NAME OF
	PARTICIPANT		MENTOR
1.			
2.			

ANSWERS:

YEAR 3					
3.1.		3.6.		3.13.	
3.2.		3.7.		3.14.	
3.3.		3.8.		3.15.	
		3.9.		3.16.	
				3.17.	
				3.18.	
				3.19.	
				3.20.	



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CORRECT ANSWER: 10 POINTS **ANSWER "E": 0 POINTS** ELSE: -2 POINTS 3.1. By how much is the greatest 3-digit number greater than the smallest 3-digit number? B. C. A. D. We do not wish to answer 989 899 99 100 3.2. Which difference is the smallest? B. A. C. D. We do not wish to answer 333 - 222444 - 333321 - 123505 - 4043.3. How many multiples of number 10 are there among all 2-digit numbers? A. B. C. We do not wish to answer 8 5 9 10 CORRECT ANSWER: 20 POINTS ANSWER "E": 0 POINTS **ELSE: -4 POINTS** 3.6. If Ana loves Boris and Boris loves Dubravka and Dubravka loves Matt, who does Matt love? A. B. C. E. We do not wish to answer Ana **Boris** Dubravka It cannot be determined 3.7. After he solved half the homework, Ivan had 12 more tasks to solve. His sister Ivana, had 3 times fewer tasks for homework. How many tasks did Ivana have for homework? A. B. C. D. We do not wish \mathbf{E} . to answer 12 24 16 3.8. Tina's birthday is on Thirsday this year. Which day of the week is her friend Tena's birthday if Tena is 52 days older than Tina? C. A. B. D. Ε. We do not wish to answer Tuesday Wednesday Monday Sunday 3.9. By how much will the sum of three numbers change if each of them is increased by 130? C. We do not wish A. B. D. Ε. to answer It will stay the same It will increase by It will increase by It will increase by 260 130 390 **CORRECT ANSWER: 20 POINTS** ANSWER "E": 0 POINTS **ELSE: -4 POINTS** 3.13. How many 3-digit numbers greater than 800 are there such that the product of their digits is equal to 32? A. C. We do not wish В. D. E. to answer 9 2 3 6

3.14. The sum of two numbers is 777. If one of them is increased by 321 and the other one is decreased by 123, what will be their sum?

A.	B.	C.	D.	E.	We do not wish
885	981	971	975		to answer

3.15. If we add the same number to the minuend and the subtrahend, and we subtract the numbers we get, which statement is valid for the difference of the two new numbers?

A.	B .	C.	D.	E.	We do not wish
It is smaller than the first difference	It is equal to the first difference	It is greater than the first difference	It cannot be determined		to answer

3.16. If a+67=100, b-67=100 and $c \times 6 = 600$, how much is a+b-c?

	E . We do not wish
110 102 101 100	to answer

3.17. All of Marta's books weigh the same. In her bag, there are two books. If Marta places 4 more books into her bag, the bag with the books will weigh double. Which of the following statements is correct?

A.	B.	C.	D.	E.	We do not wish
The bag weighs as much as one book.	The bag weighs as much as two books.	The bag weighs as much as three books.	The bag weighs as much as four books.		to answer

3.18. Ana imagined a number. She added 25 to the number and then doubled the result. She decreased the number she got by 5 and got 245. Which number did Ana imagine?

A .	B . A number	C.	D.	E . '	We do not wish
A number greater than 200	between 200 and 100	A number less than 101	It cannot be determined	1	to answer

3.19. Instead of subtracting 44, Jakov added 44. What is the difference between the number he got and the number that he should have gotten?

A .	В.	C.	D.	E . We do not wish
88	44	22	66	to answer

3.20. Ivan is the goalkeeper of the school football team and he is also really messy. In the drawer of his wardrobe, there are 8 different pairs of socks, two different pairs of gloves, 4 sport shirts and 3 sport shorts. Before he went to his football training session, his family told him:

Mum: "If you take out 20 objects from the drawer, there will surely be at least one pair of the same socks among them."

Dad: "If you take out 23 objects from the drawer, there will surely be at least one pair of the same gloves among them."

Grandma: "If you take out 14 socks from the drawer, there will surely be seven pairs of the same socks among them." Grandpa: "If you take out 21 objects from the drawer, there will surely be a sport shirt among them." Who is correct?

A.	В.	C.	D.	E.	We do not wish
Mum	Dad	Grandma	Grandpa		to answer