

Summer Round 2018./2019.

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.		



www.matzelcic.com.hr

Author: Maja Zelčić, Mathematics Professor

Revision: Biljana Gaš, mag. prim. educ. Milena Laco, dipl. učit.

8.05.2019.

CORRECT ANSWER: 10 POINTS ANSWER "E": 0 POINTS ELSE: -2 POINTS
--

3.1. Out of 873 kn of saved money, Matko spent a third. How many kuna does he have left?

A.	B.	C.	D.	E.	We do not wish
291 kn	582 kn	290 kn	583 kn		to answer

3.2. Which of the given expressions is the greatest?

A.	В.	C.	D.	E. We do not wish to
3+3.3	3.3:3	3:3+3·3	3:3.3	answer

3.3. Annie is shorter than Katie and Katie is taller than Janice. Who is the shortest?

A.	B.	C.	D.	E.	We do not wish
Annie	Janice	Katie	We cannot determine		to answer

CORRECT ANSWER: 20 POINTS ANSWER "E": 0 POINTS ELSE: –4 POINTS

3.6. When the difference of the numbers 1000 and 483 is divided by the greatest digit of the quotient of the numbers 345 and 3, the remainder will be:

A.	B.	C.	D.	E. We do not wish
1	2	3	4	to answer
	2		·	

3.7. Dunja, Višnja and Jagoda saw a fruit cup that costs 26 kn and 50 lp in a window of an ice cream shop. Dunja had a 10 kn banknote, two 5 kn coins and four 50 lp coins. Višnja found in her backpack: 8 coins of 2 kn, three coins of 1 kn and 6 coins of 20 lp. Jagoda had one banknote of 10 kn and one banknote of 20 kn. How much money are they missing to be able to buy three fruit cups?

A .	B.	C.	D.	Ε.	We do not wish
6 kn 30 lp	7 kn	7 kn 30 lp	6 kn 70 lp		to answer

3.8. The difference of two numbers is 111. If the minuend is increased by 54, and the subtrahend is decreased by 32, by how much did the difference change?

A.	B.	C.	D.	E.	We do not wish
It increased by 22.	It decreased by 86.	It increased by 86.	It decreased by 22.		to answer

3.9. On the right side of the street there are street numbers 2, 4, ... 16, and on the left side there are numbers 1, 3, ... 13. Each house on the right side has two pine trees in the yard, and each house on the left side has one pine tree in the yard. How many pine trees are there in the street?

A.	B.	C.	D.	E. We do not wish
15	22	45	23	to answer

ĺ	CORRECT ANSWER: 30 POINTS	ANSWER "E": 0 POINTS	ELSE: -6 POINTS

3.13. It is May 8th 2019 today and it is Wednesday. Which day of the week will it be on May 8th 2020, if we know that 2020 is a leap year?

A.	B.	C.	D.	E.	We do not wish
Tuesday	Wednesday	Thursday	Friday		to answer

3.14. If grandma wants to plant tomatoes so that there is 8 cm between each two tomato plants, in a garden that is 416 cm long, how many tomato plants does she need?

A.	В.	C.	D.	E . We do not wish
52	53	51	54	to answer

3.15. Ante (a Year 4 student) solved as many tasks as Bruno (a Year 3 student) and as Dino (a Year 3 student), but two times less than Erik (a Year 4 student). If there is a total of 40 tasks, how many were solved by Year 3 students?

A.	B.	C.	D.	E. We do not wish
8	16	14	15	to answer

3.16. Ivana wants to connect the points *A*, *B* and *C* and construct a triangle. How many different triangles can Ivana construct if she can use two coloured pencils: purple and green?

• C
A • B

A.	B.	C.	D.	E. We do not wish
8	6	4	2	to answer

3.17. When he opened a book, Luka notices that the sum of the page numbers of the left and right page is 555. What is the product of the digits of the left page number if the book covers do not have page numbers?

A.	B.	C.	D.	E . We do not wish
28	112	98	It cannot be determined	to answer

3.18. How many 2-digit numbers can we write with the digits 0, 2, 4 and 6?

A.	В.	C.	D.	E. We do not wish
12	16	9	11	to answer

- 3.19. How many of the following statements are true?
 - We can construct a triangle and a circle that do not have any common points
 - We can construct a triangle and a circle that have 1 common point
 - We can construct a triangle and a circle that have 2 common points
 - We can construct a triangle and a circle that have 3 common points
 - We can construct a triangle and a circle that have 4 common points
 - We can construct a triangle and a circle that have 5 common points
 - We can construct a triangle and a circle that have 6 common points
 - We can construct a triangle and a circle that have 7 common points
 - We can construct a triangle and a circle that have 8 common points

А. р.		C .	D.	E . We do not wish
7	5	3	6	to answer

3.20. Into how many parts is a plane divided by three infinite lines that form a triangle?

A .	В.	C.	D.	E . We do not wish
6	5	7	3	to answer