



Autumn Round 2019./2020.

SCHOOL	
TEAM NUMBER	
CATEGORY	Year 4
COMPETITION COMMISSIONER	

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

ANSWERS:

YEAR 4					
4.1.		4.6.		4.13.	
4.2.		4.7.		4.14.	
4.3.		4.8.		4.15.	
		4.9.		4.16.	
				4.17.	
				4.18.	
				4.19.	
				4.20.	

I ♥ **MATematika**

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CORRECT ANSWER: 10 POINTS**ANSWER „E“: 0 POINTS****ELSE: -2 POINTS**

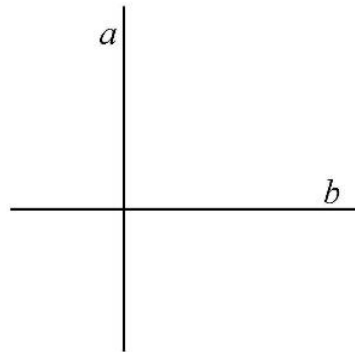
4.1. How many words (that make sense and that don't) can we write using the letters M, A and T? The letters can't repeat.

A. 6	B. 7	C. 5	D. 4	E. We do not wish to answer
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4.2. If the radius of the circle is 4 cm, what is its diameter?

A. 2 cm	B. 4 cm	C. 8 cm	D. None of the aforementioned	E. We do not wish to answer
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4.3. Which of the statements is not correct for lines a and b shown on the image?



A. They have a common point	B. $a \parallel b$	C. They are perpendicular	D. $a \perp b$	E. We do not wish to answer
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CORRECT ANSWER: 20 POINTS**ANSWER „E“: 0 POINTS****ELSE: -4 POINTS**

4.6. Ana is an excellent student that was in Year 2 three years ago. If she continues working hard, in how many years will she be in Year 8?

A. 6	B. 9	C. 3	D. 4	E. We do not wish to answer
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4.7. Ivan bought milk for 6kn 20 lp, bread for 5 kn 50 lp, and a lollipop for 90 lp. How much money does he have left if he had the amount of money shown on the image?



A. More than 20 kn	B. 19 kn 10 lp	C. 18 kn 10 lp	D. Less than 16 kn	E. We do not wish to answer
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4.8. When grandma gave them each and allowance of 180 kn, a sister and a brother had 527 kn saved altogether. How many kunas would they have together, if grandma gave them half the money?

A. 347 kn	B. 707 kn	C. 437 kn	D. It cannot be determined	E. We do not wish to answer
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4.9. A sister and a brother bought a ball that cost 49 kn from their 527 kn savings. They decided to divide the rest of their savings into two equal parts. How much did each of them get?

A. 209 kn	B. 189 kn	C. 244 kn	D. 239 kn	E. We do not wish to answer
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CORRECT ANSWER: 30 POINTS ANSWER „E“: 0 POINTS ELSE: -6 POINTS

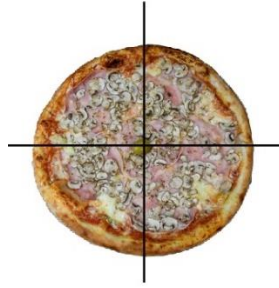
4.13. To organise a school party, Year 4 collected 123 kn, Year 3 collected 143 kn and year 2 collected 109 kn, They arranged that using all the collected money, the following will be bought: Year 4 will buy saltines at a price of 2kn per pack, Year 3 will buy juice at a price of 5 kn per litre, and Year 2 will buy cookies at a price of 9 kn per box. How much money is left altogether?

A. 3 kn	B. 6 kn	C. 4 kn	D. 5 kn	E. We do not wish to answer
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4.14. Johnny read a book in 4 days in such a way that each day he read twice as many pages as on the previous day. How many pages did he read on the third day if the book has 135 pages?

A. 36	B. 40	C. 72	D. Less than 20	E. We do not wish to answer
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4.15. A pizza was cut using two straight cuts into four equal pieces (as shown on the picture). Into how many parts can't the pizza be cut using one more straight cut?



A. 5	B. 6	C. 7	D. 8	E. We do not wish to answer
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4.16. A circle and a triangle cannot intersect in how many points?

A. 4	B. 5	C. 6	D. 7	E. We do not wish to answer
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4.17. George and Steve went from Omiš to Zagreb at the same time. George traveled by bus and Steve by car. The bus drove 80 km per hour and the car 100 km per hour. How far from each other were George and Steve after 2 and a half hours of driving?

A. 50 km	B. 40 km	C. 60 km	D. 55 km	E. We do not wish to answer
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4.18. Write the biggest 3-digit number that can be divided by 4 without a remainder and whose hundreds digit is equal to 2. What is the sum of the digits of that number?

A. 17	B. 18	C. 20	D. None of the aforementioned	E. We do not wish to answer
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4.19. Using the digits 0, 1, 3 and 8 we write down all the three-digit numbers with different digits. What is the difference between the greatest and the smallest of those numbers?

A. 693	B. 728	C. 701	D. None of the aforementioned	E. We do not wish to answer
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4.20. Half of a watermelon costs as much as three ice creams in a cone or as much as four ice creams on a stick. If the price of one ice cream on a stick is 3 kn, what is the price of two ice creams on a cone?

A. 9 kn	B. 4 kn	C. 8 kn	D. If cannot be determined	E. We do not wish to answer
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