



CNC FRÉZOVÁNÍ

CzechSkills 2024

Hodnocení

Česká republika hledá šampiona v CNC frézování 2024!



Obsah

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I. Hodnocení

Projekt bude spolu se všemi vyplněnými nebo vytvořenými dokumenty a osobním prohlášením zaslán na níže uvedenou adresu k posouzení a hodnocení.

Příloha:

- Protokol hodnocení




CNC Milling
Assesment template.ř

- Test logického uvažování

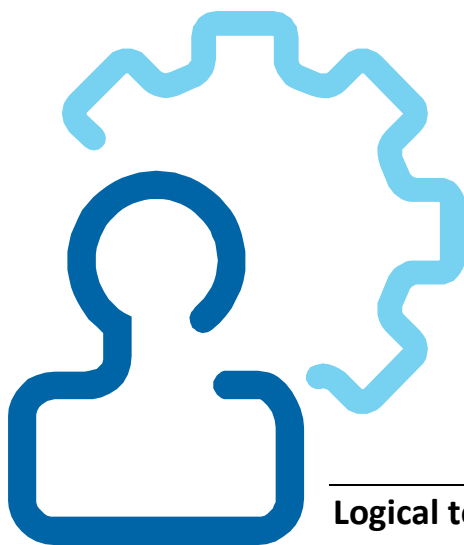


CNC Milling
Speed-Logiktest.pdf

Evaluation protocol	Max. Score	achieved	time/min	Name Competitor	School/company
					ZČU Plzeň
Part 1 – Accuracy Assessment				 HEIDENHAIN	
Verification of the prescribed 31 points based on measurements protocol from Renishaw	98				
Part 2 - Questions and Answers (talk with experts)					
questions on selected technology and technology and inspection measurement	25				
technical english	3				
communication Skills	2				
technical documentation for qualification	5				
workpiece surface, visual inspection	5				
				Jury: Jakub Vacek/Eva Klocová Signature Si HEIDENHAIN date: place	
Part 3 - Speed-Logiktest/SwissSkills					
speed test for geometry and mathematics	12		20		
TOTAL	150				

SPEED-LOGIKTEST FÜR POLYMECHANIKER

QUALIFICATION CNC MILLING CHAMPIONCHIP



Logical test for engineering disciplines: Qualification – CNC Milling

The logical test is designed for the qualification of engineering disciplines in the Skills Czech Republic competition.

The maximum time allowed for solving the task is 25 minutes

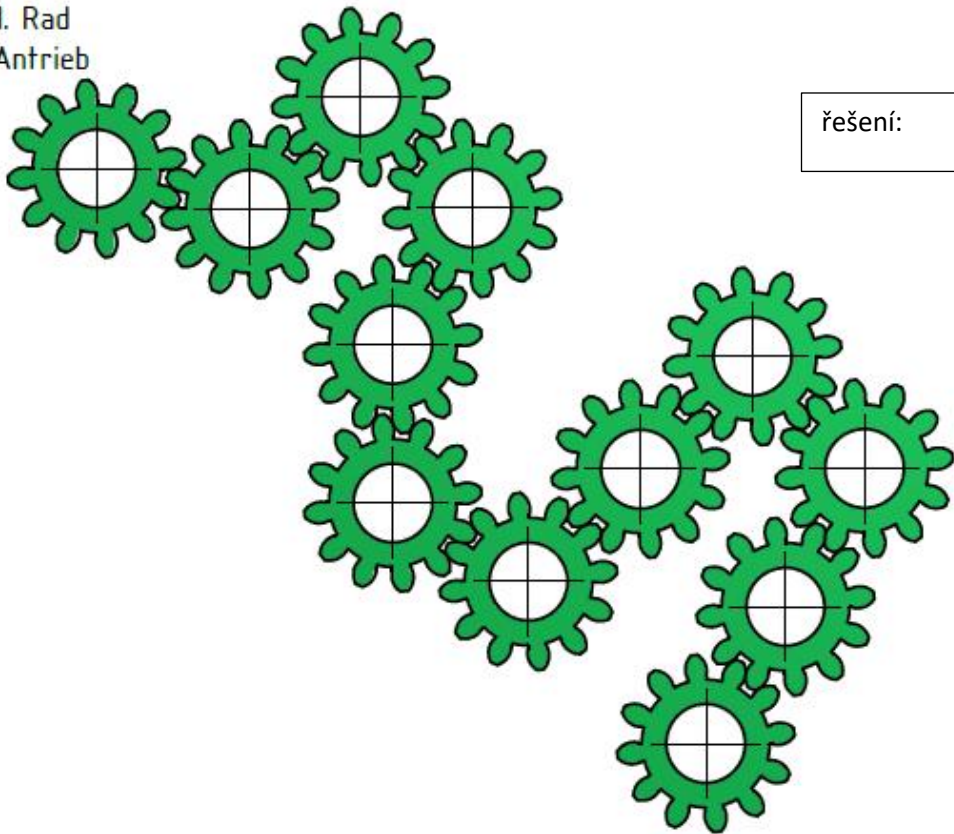
The test primarily includes logical reasoning, identifying similarities, meaningful completion of sequences, and grouping based on shared characteristics.

In the test are used the basic principles of physics and mechanics.

The ability to think logically and abstractly is a key prerequisite for successfully participating in the Skills competitions in engineering disciplines.

1. The first gear is driven by an electric motor in a clockwise direction. What is the direction of rotation of the last gear?

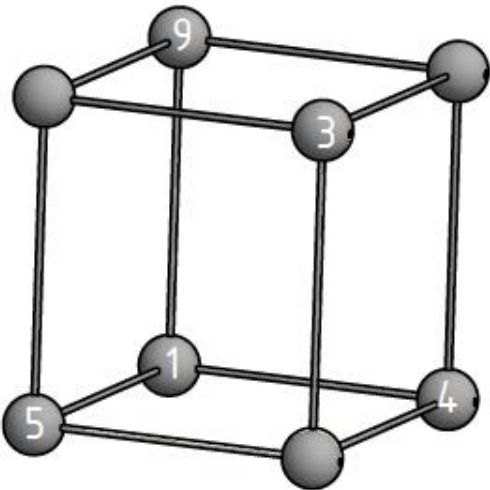
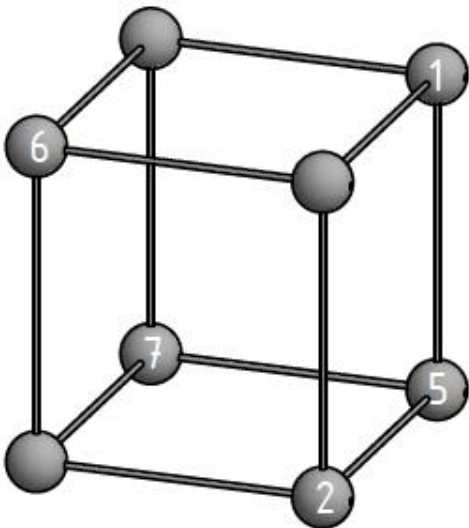
1. Rad Antrieb



řešení:

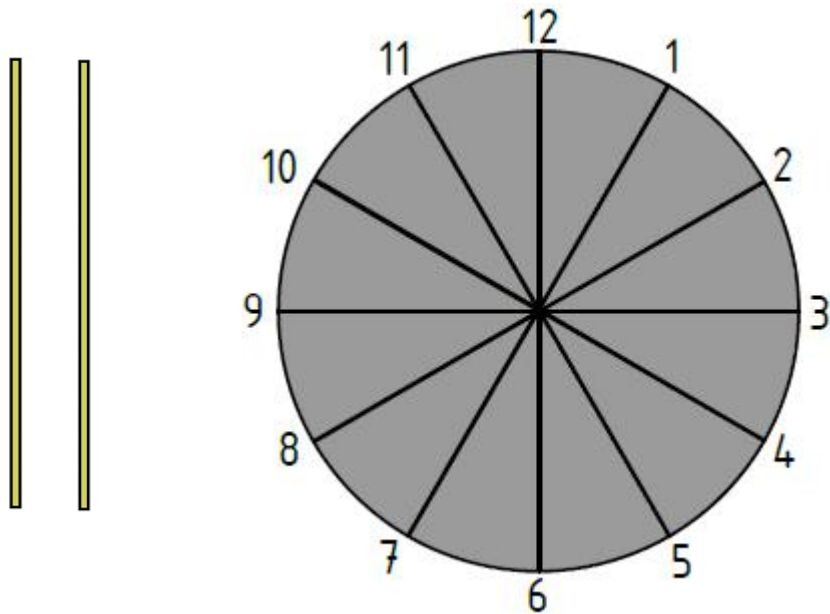
Points	Achieved
1	

2. The cube is shown in two positions. Fill in the missing numbers on each cube.



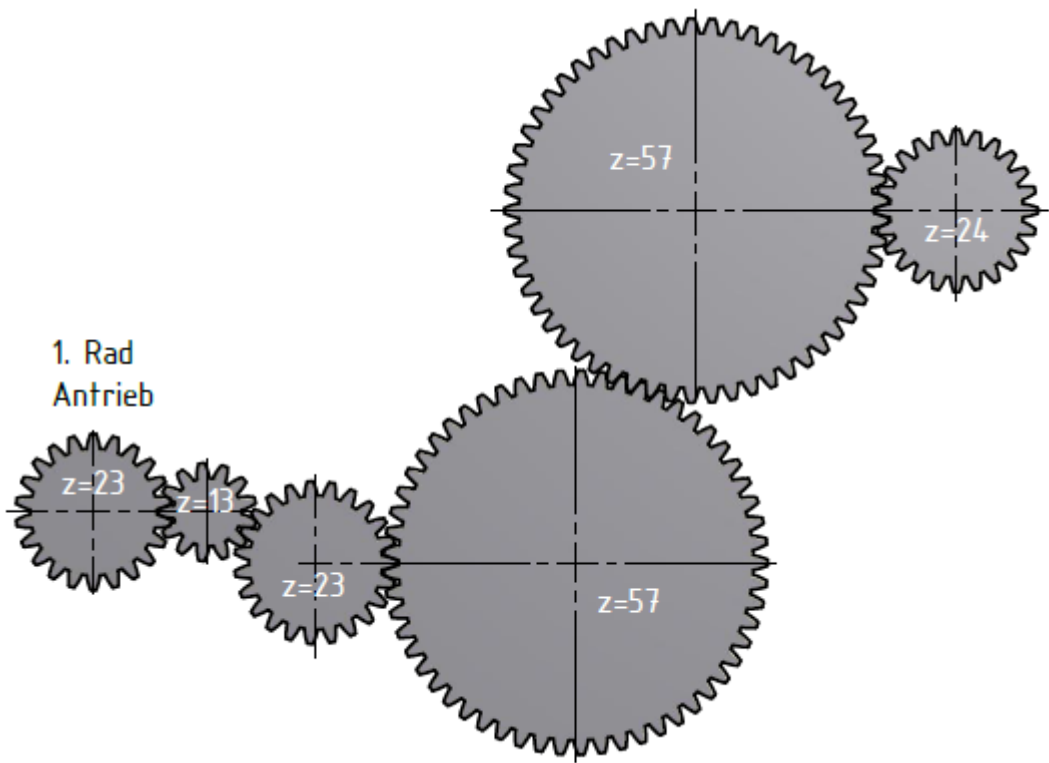
Points	Achieved
3	

3. Divide the clock face into three parts using two straight lines, so that each part contains four numbers whose sum is the same in each part.



Points	Achieved
2	

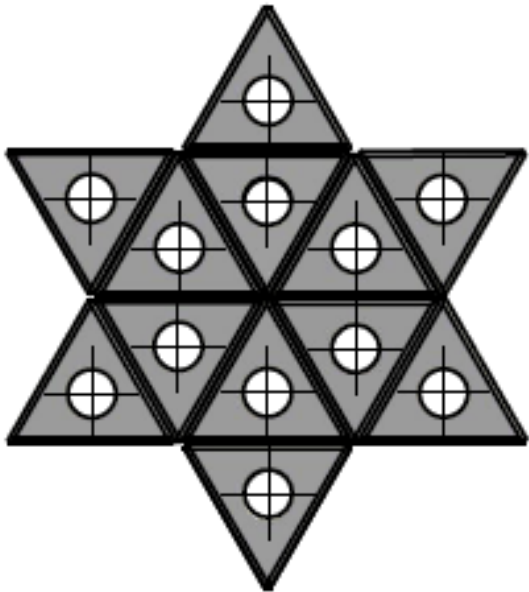
4. Does the last gear rotate faster or slower than the first one?



Answer:

Points	Achieved
1	

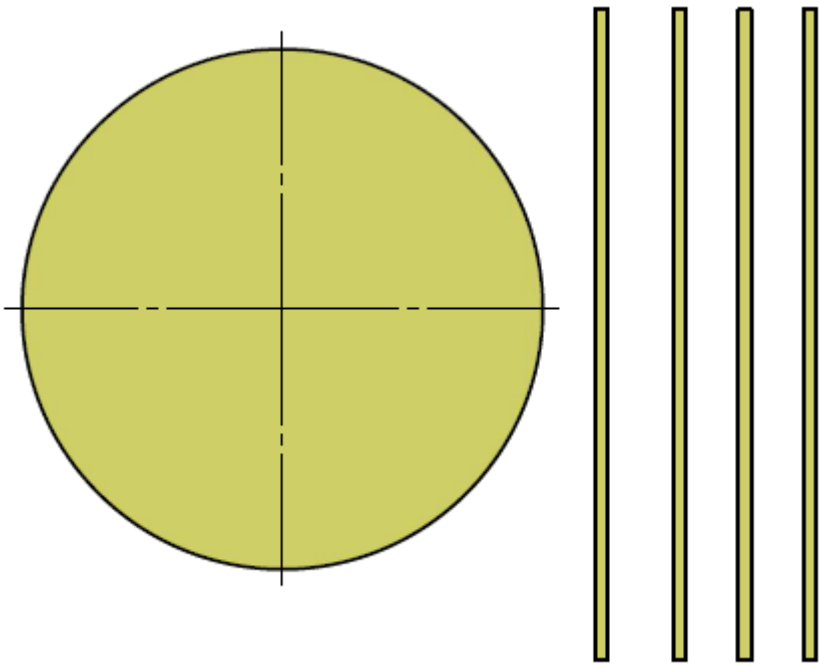
5. How many triangles are ther in this star?



Points	Achieved
2	

Answer:









6. What ist he maximum number of parts a circle can be divided into using four straight lines! The parts do not need to be of equal size.






Answer:

Points	Achieved
2	

8. Counting with pictures 😊 . Which symbol represents which number?

	x)	=	8
	+		=	
	:)	=	
	-)	=	

	8
	
)	
	

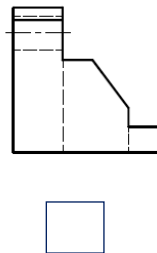
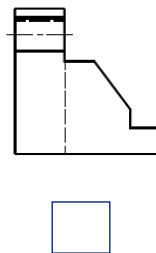
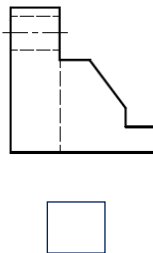
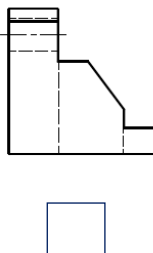
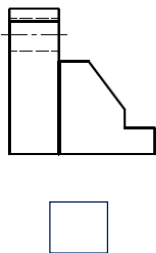
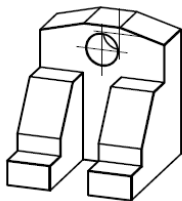
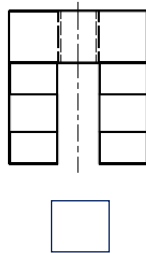
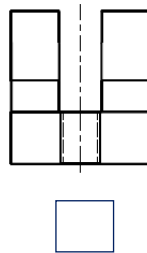
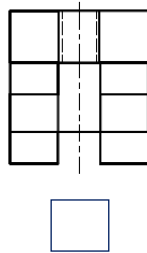
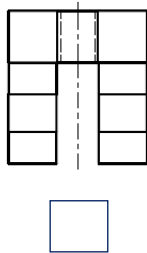
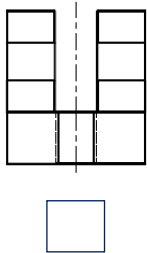
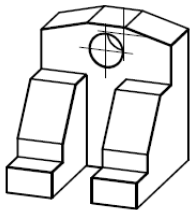
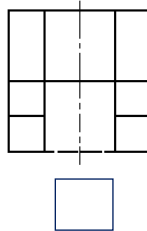
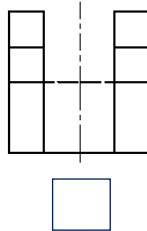
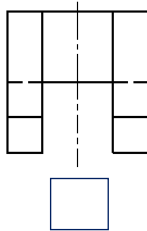
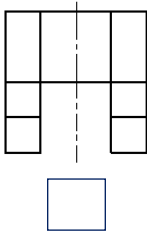
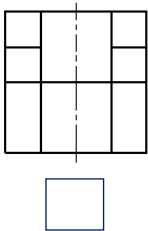
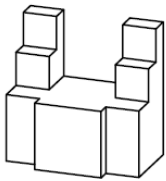
Points	Achieved
3	

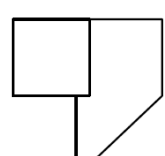
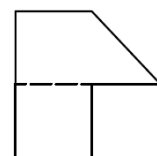
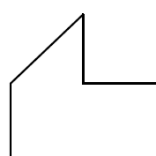
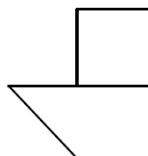
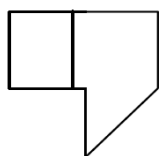
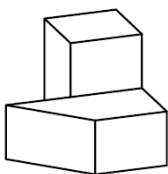
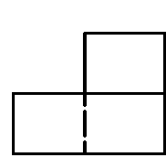
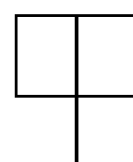
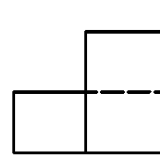
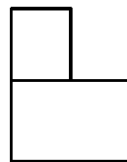
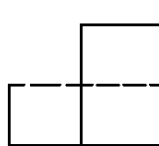
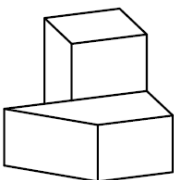
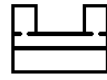
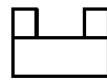
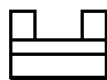
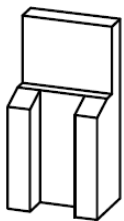
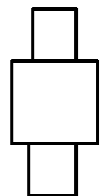
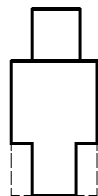
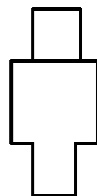
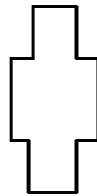
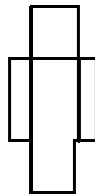
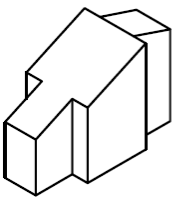
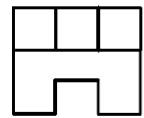
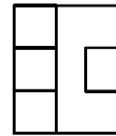
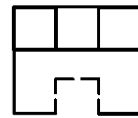
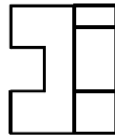
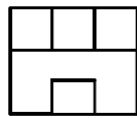
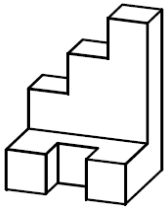
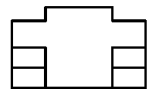
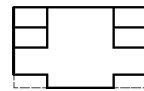
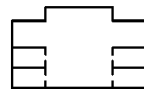
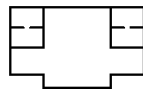
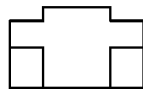
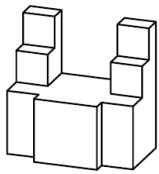
9.Fill in the number in the sequence according to the logic.

1	2	6	15	31	
5	17	28	38	47	
4	16	6	36	26	
1/3	2/3	2/9	4/9	3/27	
10	20	12	18	14	

Points	Achieved
5	

14.Find the matching view. Mark the correct answer with a cross.





Points	Achieved
9	
TOTAL	TOTAL ACHIEVED
28	