

Nové možnosti rozvoje vzdělávání na Technické univerzitě v Liberci

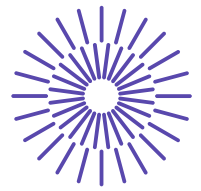
Specifický cíl A3: Tvorba nových profesně zaměřených studijních programů

NPO_TUL_MSMT-16598/2022



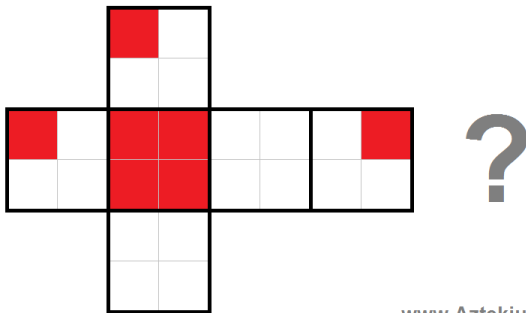
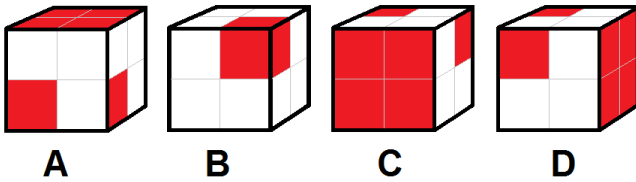
Aktivity – vizualizace

Mgr. Petra Pirklová, Ph.D.

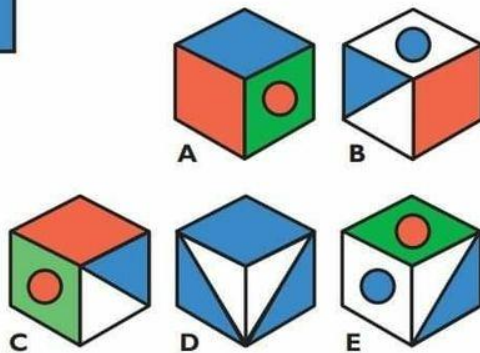
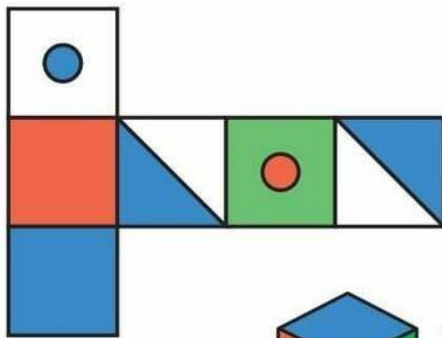


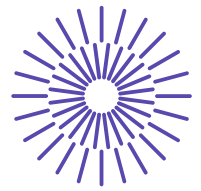
Aktivity – vizualizace

Sítě krychle:

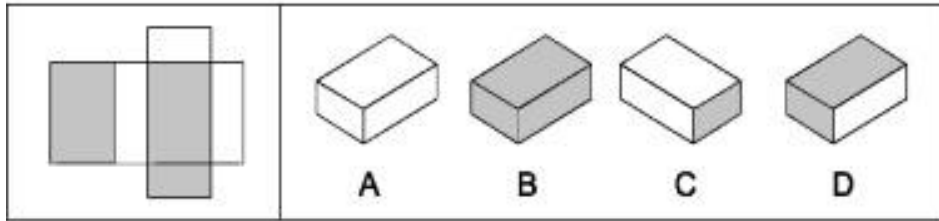


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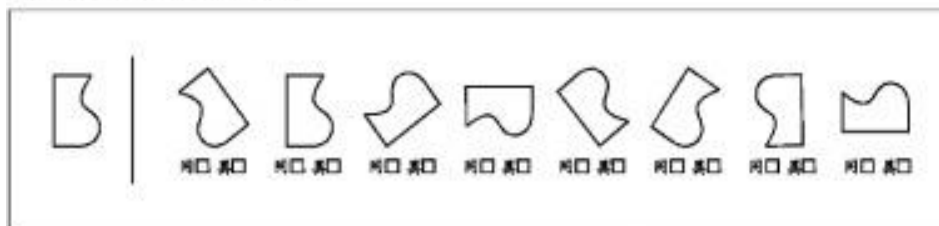




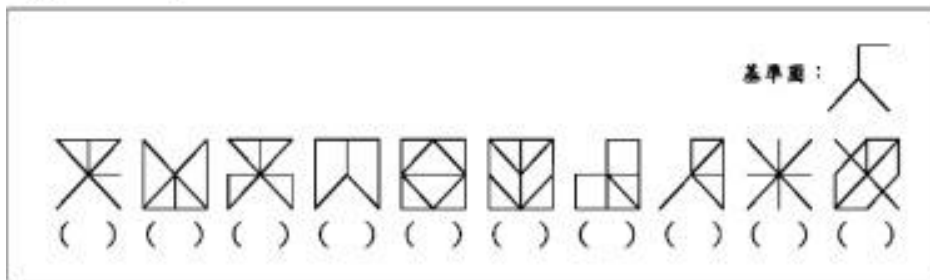
(A) Space relation task

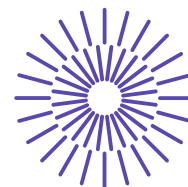


(B) Card rotation task

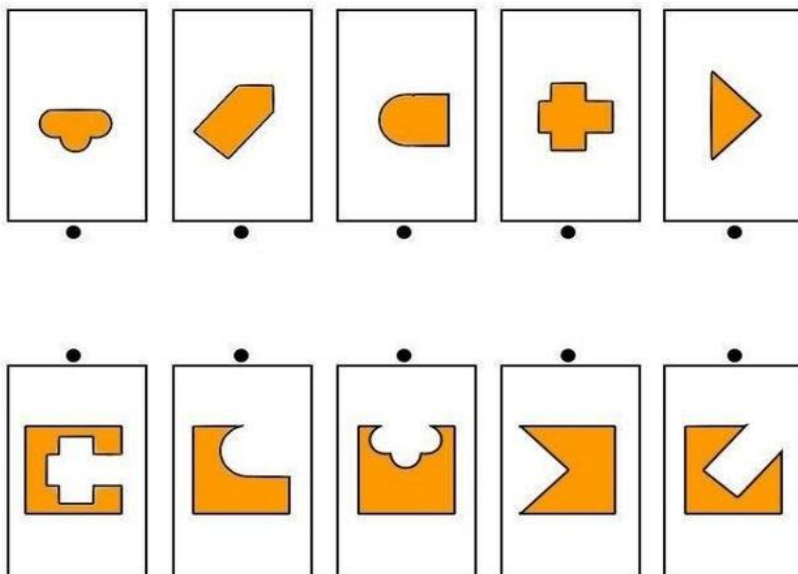


(C) Hidden patterns task

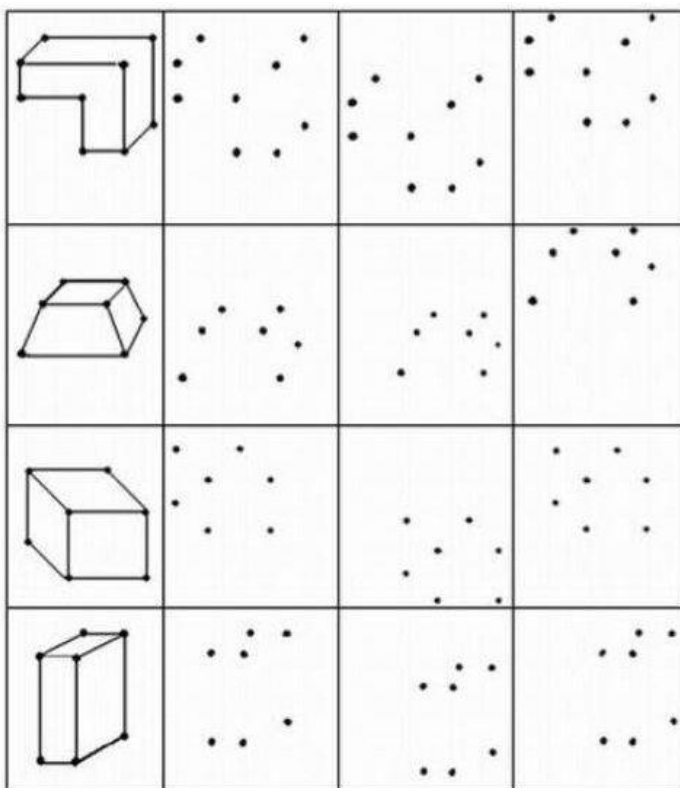


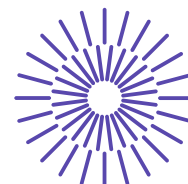


Spoj dva útvary, které po sjednocení vytvoří obdélník:

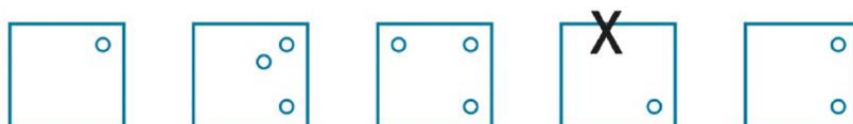


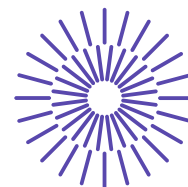
Spojením teček nakresli útvar vlevo:



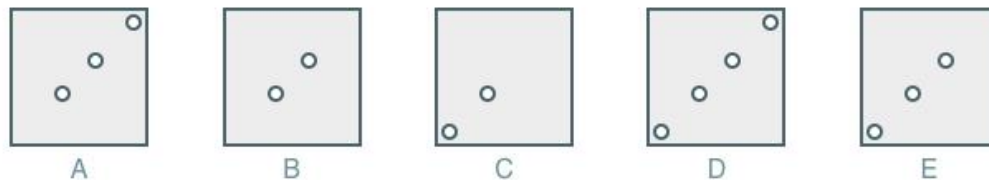
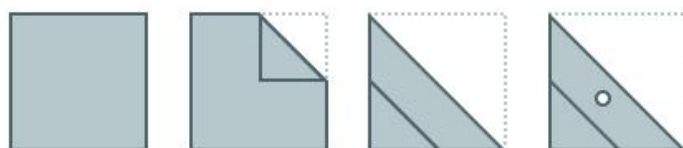
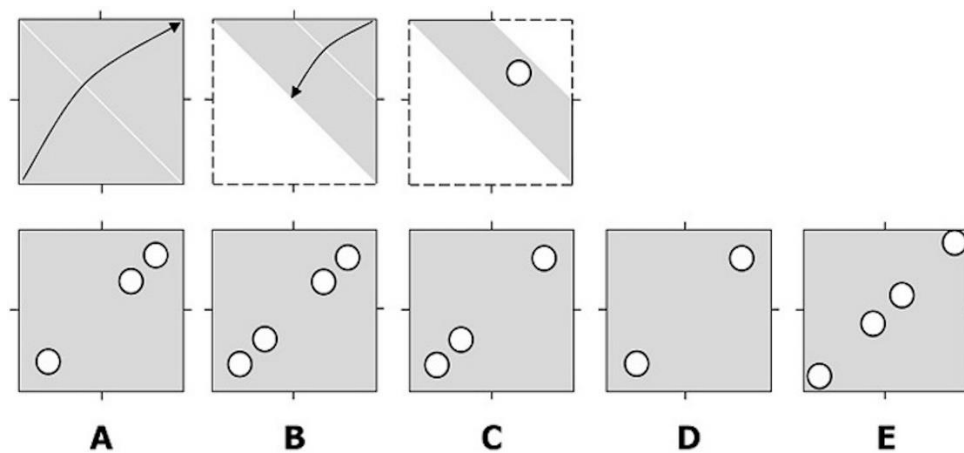


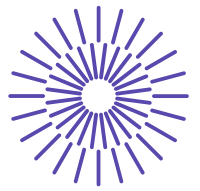
Je vyznačený list papíru ve spodní řadě ten, který je skládán naznačenými přehybech papíru v horní řadě?



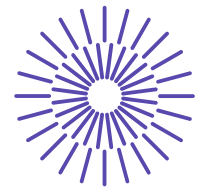


Který papír je skládán v horní řadě?

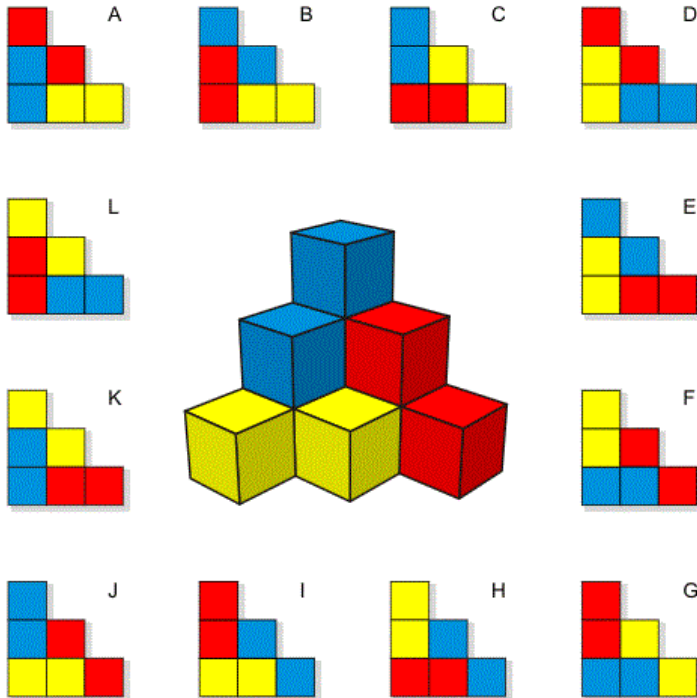




<p>1.</p>	<p>ก.</p>	<p>ข.</p>	<p>ค.</p>
<p>2.</p>	<p>ก.</p>	<p>ข.</p>	<p>ค.</p>
<p>3.</p>	<p>ก.</p>	<p>ข.</p>	<p>ค.</p>
<p>4.</p>	<p>ก.</p>	<p>ข.</p>	<p>ค.</p>
<p>5.</p>	<p>ก.</p>	<p>ข.</p>	<p>ค.</p>



Najděte všechny pohledy na těleso (půdorys, nárys, bokorys)



TOP VIEW

PICTURE BRAINTEASERS

FIND THE TOP VIEW

A B C D

IQ TEST LABS • INTELLIGENCETEST.COM
Brainteasers: pictures: top view

..... Top View

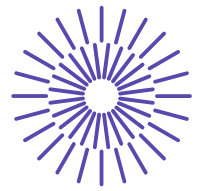
Can you find the top view for every object?

1 2 3 4

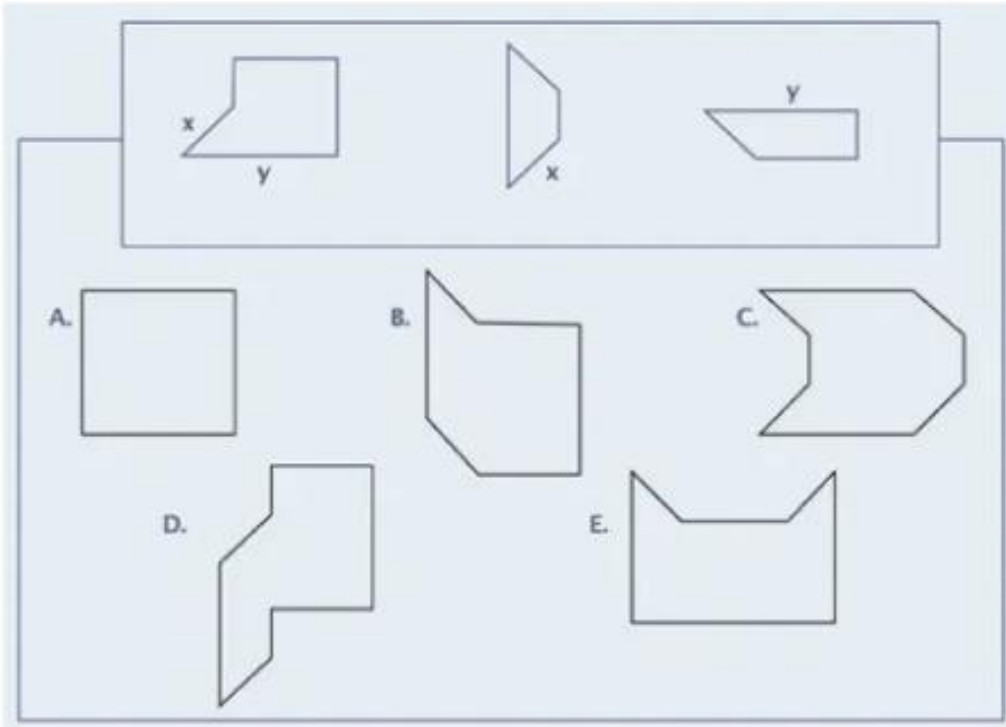
5 6 7 8 9 10 11 12 13 14 15

16 17 18

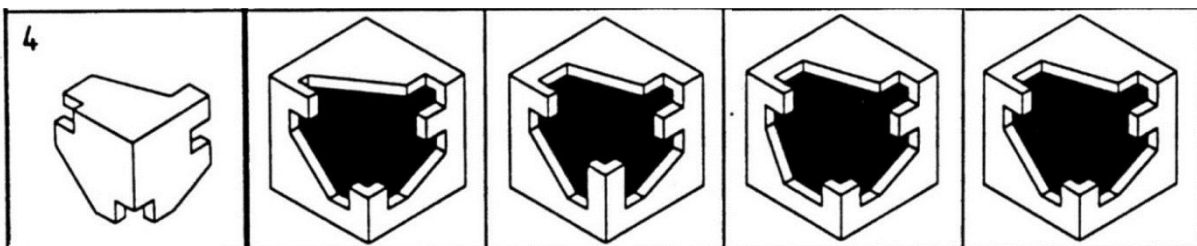
ANSWER: 1-10, 2-6, 3-7, 4-8, 5-9, 6-12, 7-13, 8-14, 9-17, 10-11, 11-16, 12-15, 13-18, 14-18, 15-13.

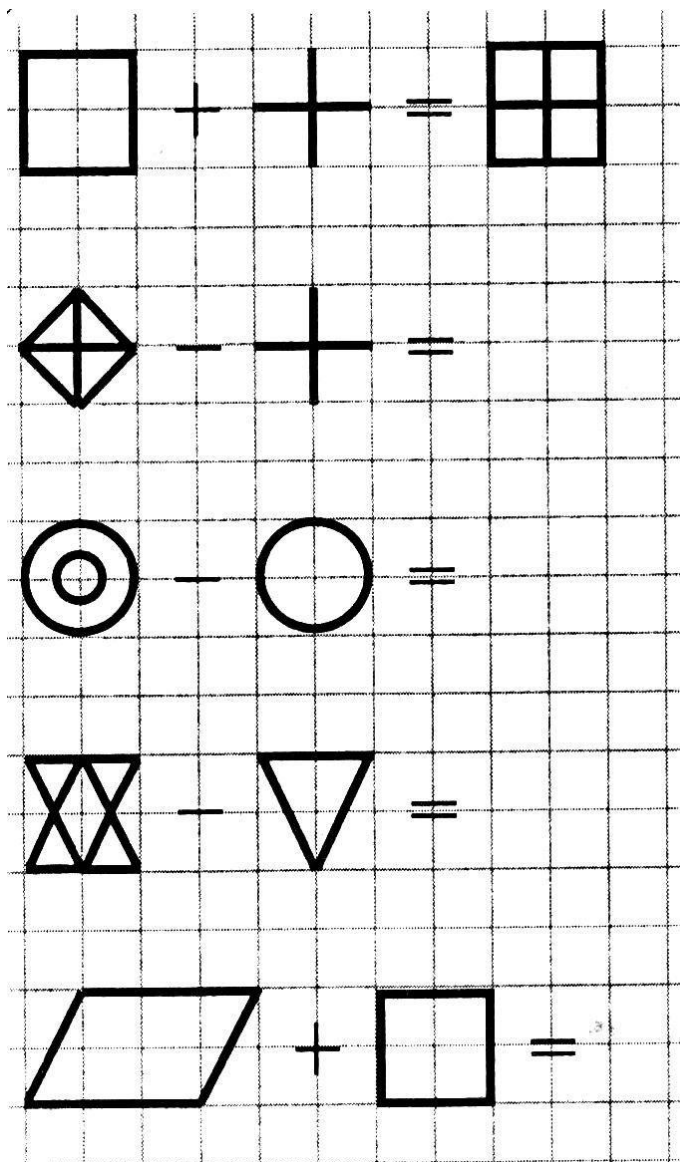
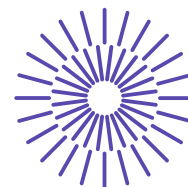


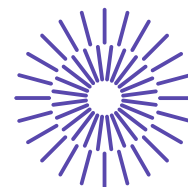
When all shapes on top are connected in the corresponding edges (x to x, y to y, etc.), the complete shape looks like shape:



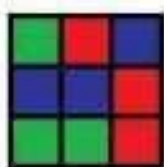
Do které krychle zapadne dílek vlevo?



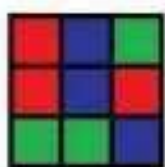




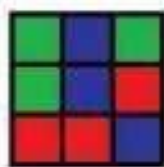
$$\begin{array}{|c|c|c|} \hline & \text{blue} & \\ \hline \text{red} & \text{red} & \text{green} \\ \hline \end{array} + \begin{array}{|c|c|c|} \hline \text{green} & \text{red} & \text{blue} \\ \hline \text{blue} & & \text{green} \\ \hline \end{array} = ?$$



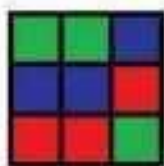
a



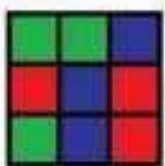
b



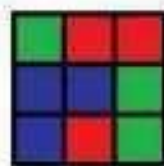
c



d



e

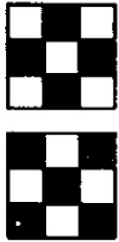


f





1.



а.

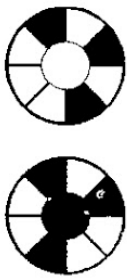
б.

в.

г.



2.

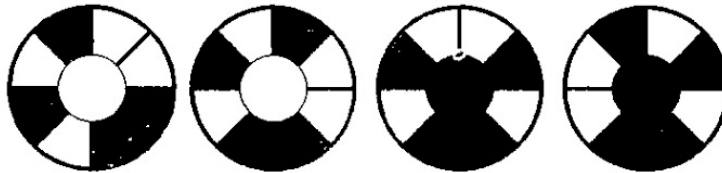


а.

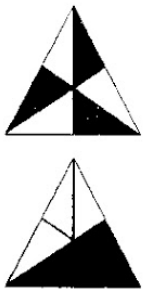
б.

в.

г.



3.

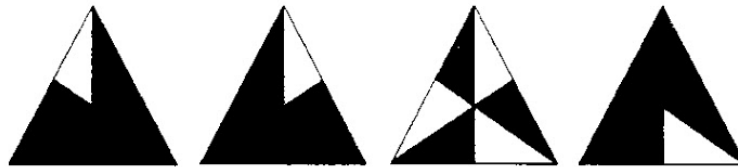


а.

б.

в.

г.



4.



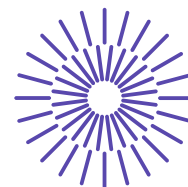
а.

б.

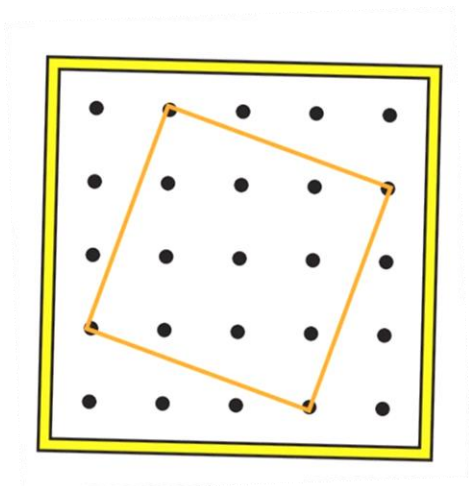
в.

г.

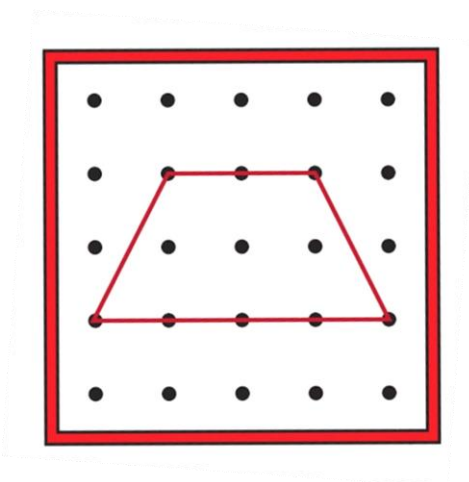


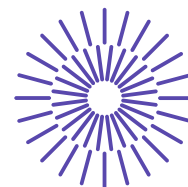


Na Geoboardu vyznačte čtverec a rozdělte ho na 4 trojúhelníky.

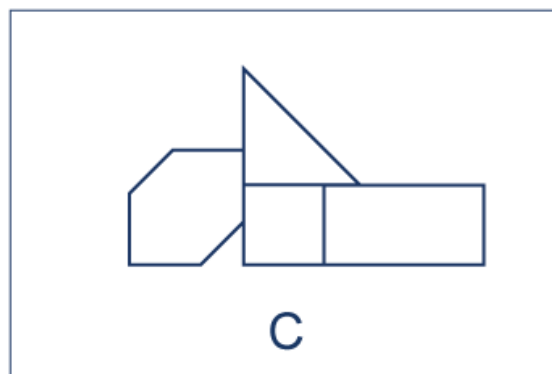
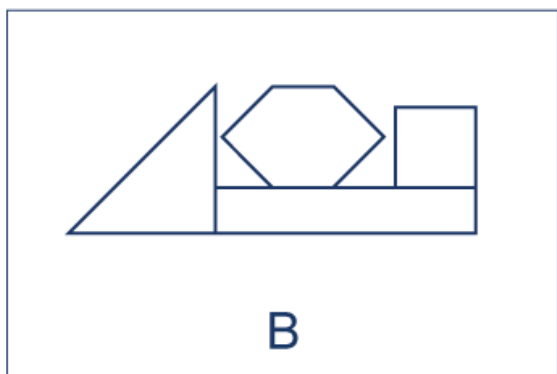
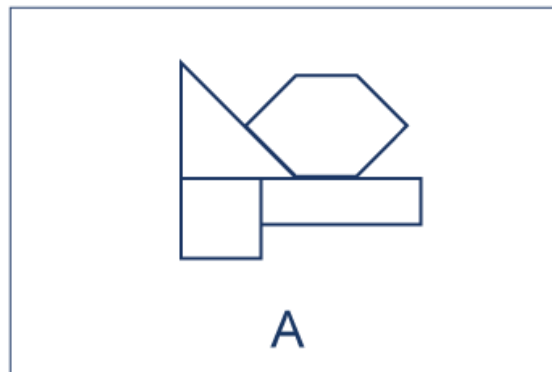
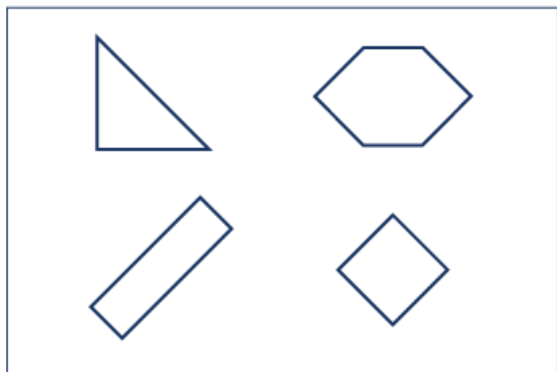


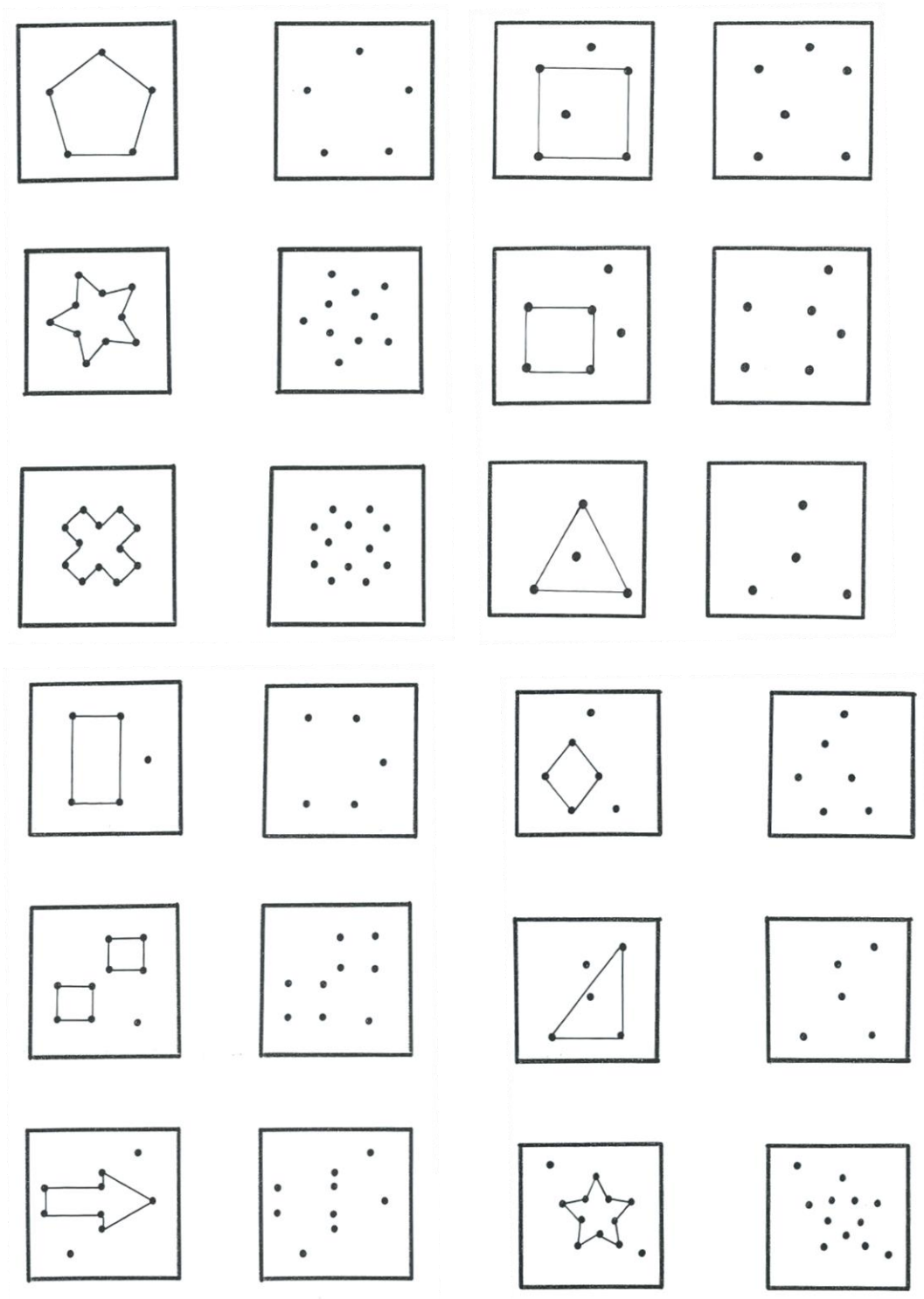
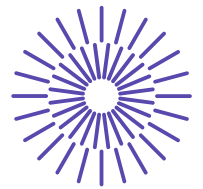
Na Geoboardu vyznačte lichoběžník a rozdělte ho na 4 čtverce a 2 trojúhelníky.

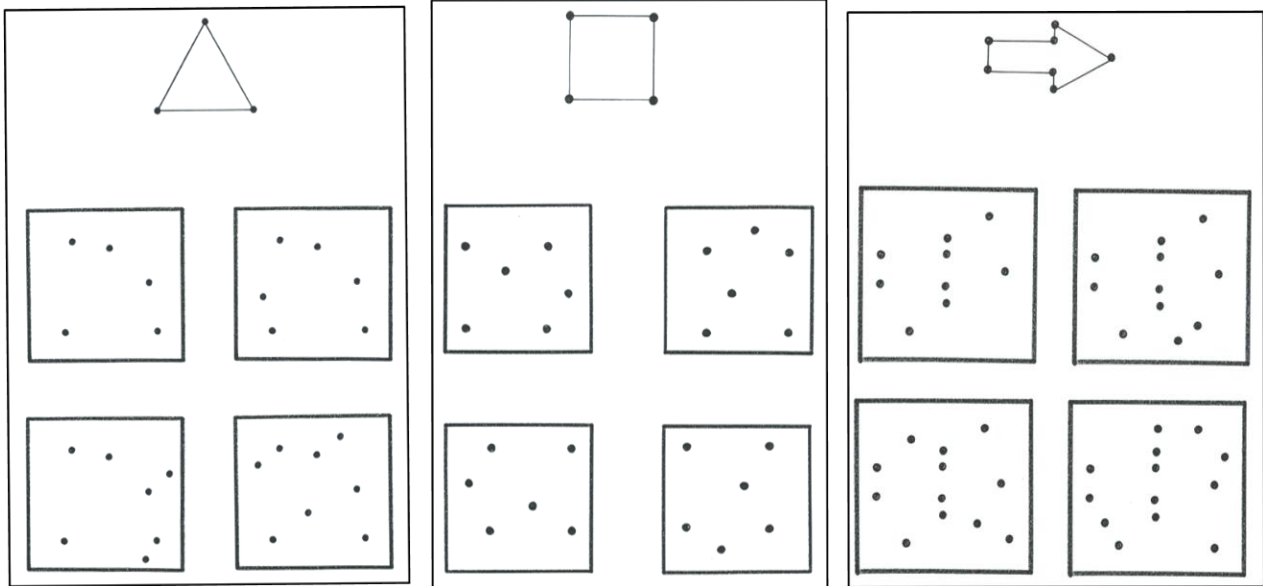
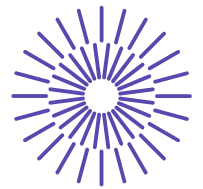




Q: Which figure can be made from these shapes without resizing?

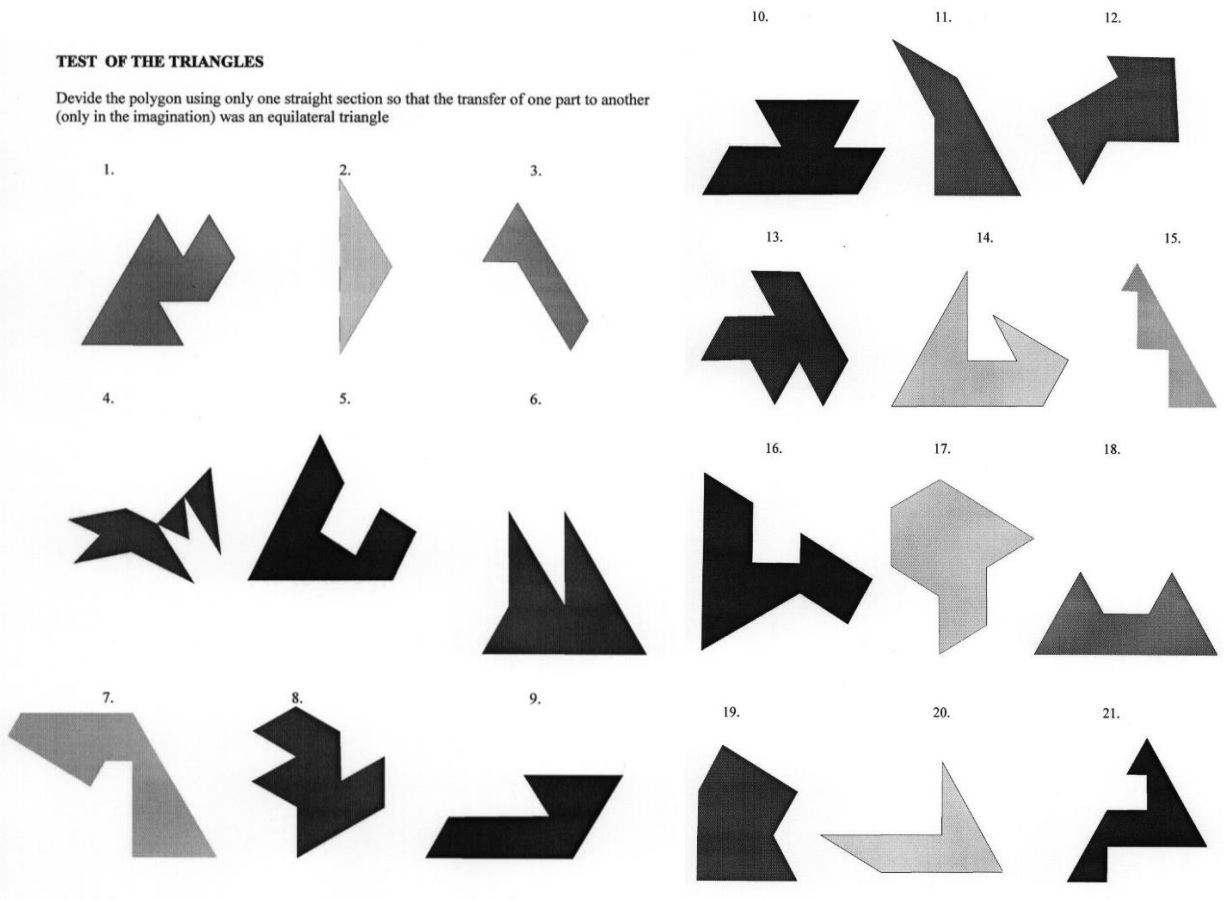


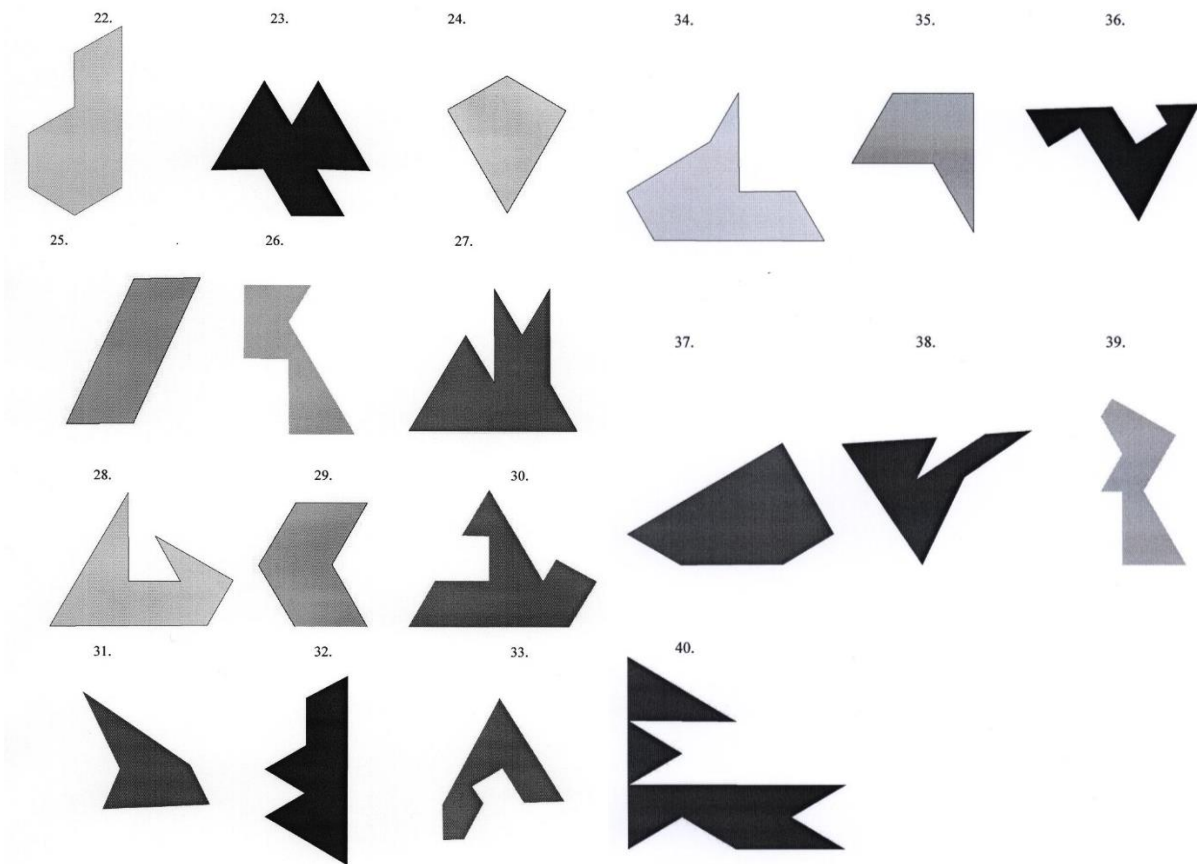
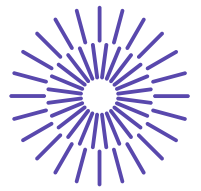




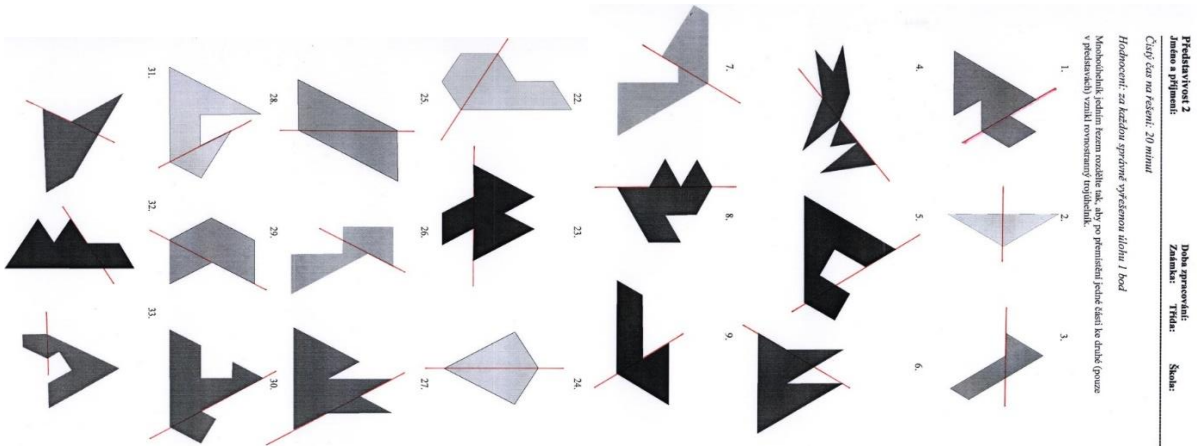
TEST OF THE TRIANGLES

Divide the polygon using only one straight section so that the transfer of one part to another (only in the imagination) was an equilateral triangle





Řešení:



Předmětová 2

čas: 15 minut

Dotaz odpovědi:

Záměr: 1 bod

Skóre:

Hodnocení: za každou správně vyřešenou úlohu 1 bod
 Mnohoštětně jedině bez nutnosti úst. aby po přeměnění jistě čísel ke drak (pouze v překladu) vznikl novostrojový trojúhelník.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 22.
- 23.
- 24.
- 25.
- 26.
- 27.
- 28.
- 29.
- 30.
- 31.
- 32.
- 33.

