

prof. Matemko

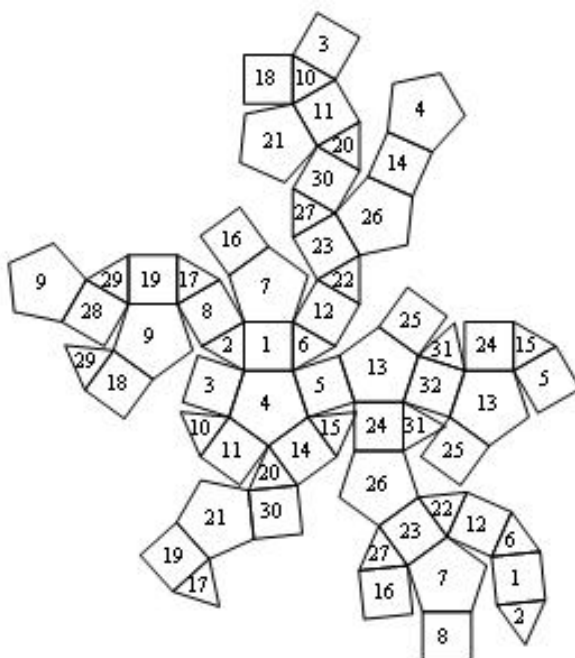


## Simetrija mnogoterca

Mnogoterec je podan s pobarvano mrežo.

Barve so prikazane s številkami.

Ugotovi tip rotacijske simetrije pobarvanega mnogoterca.

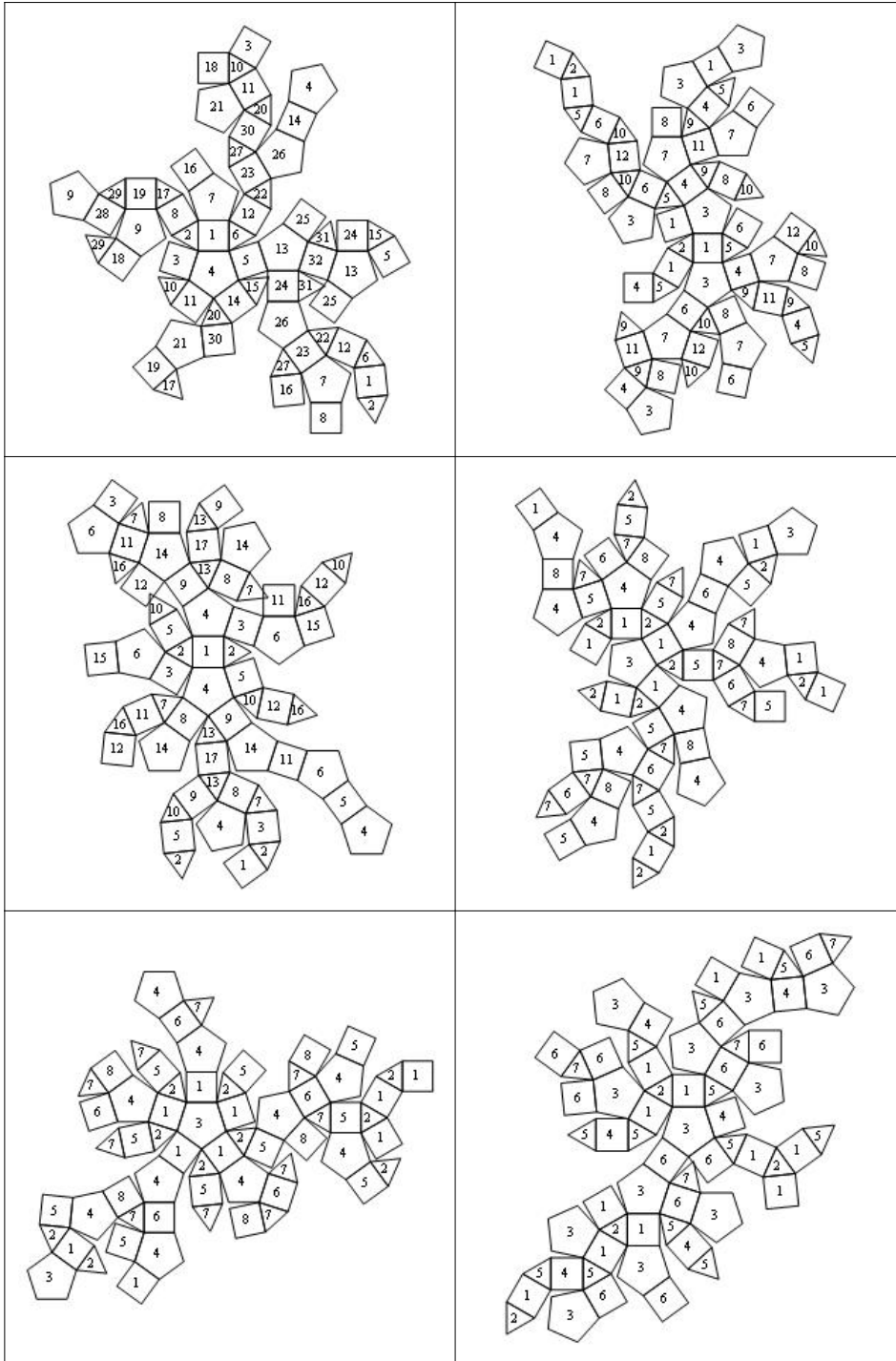


Odgovor

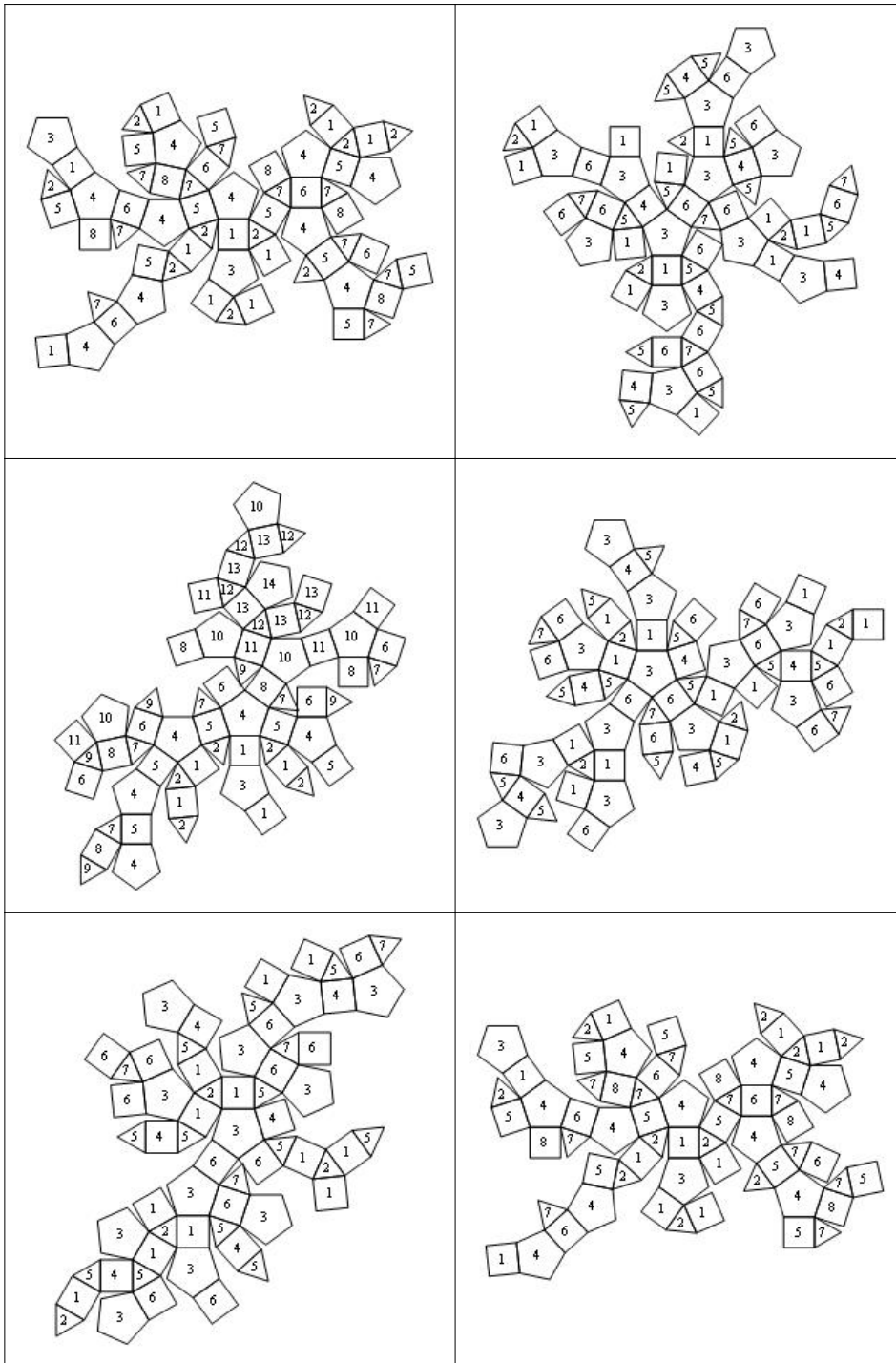
$C_2$

MATHEMA

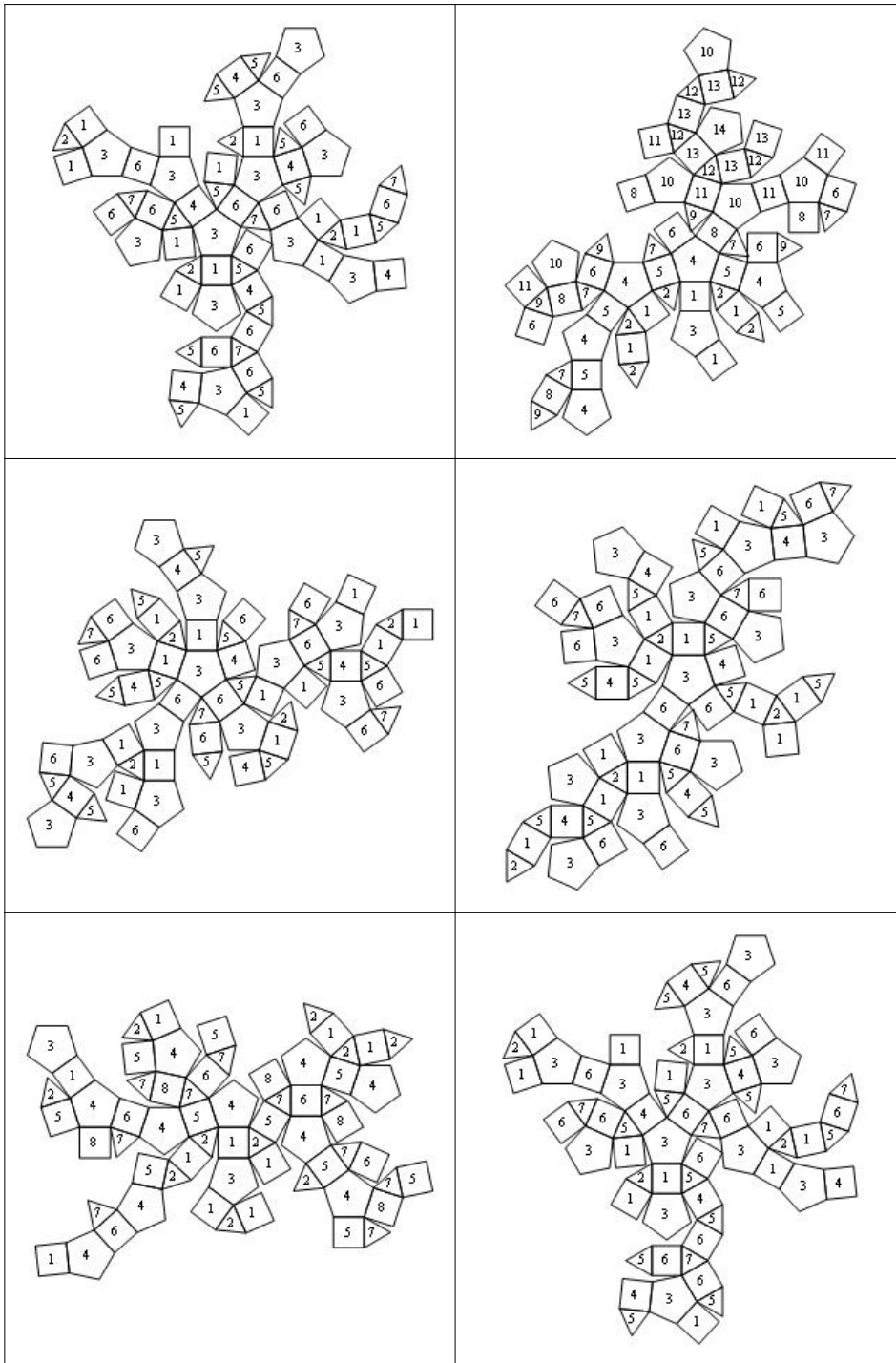
1.



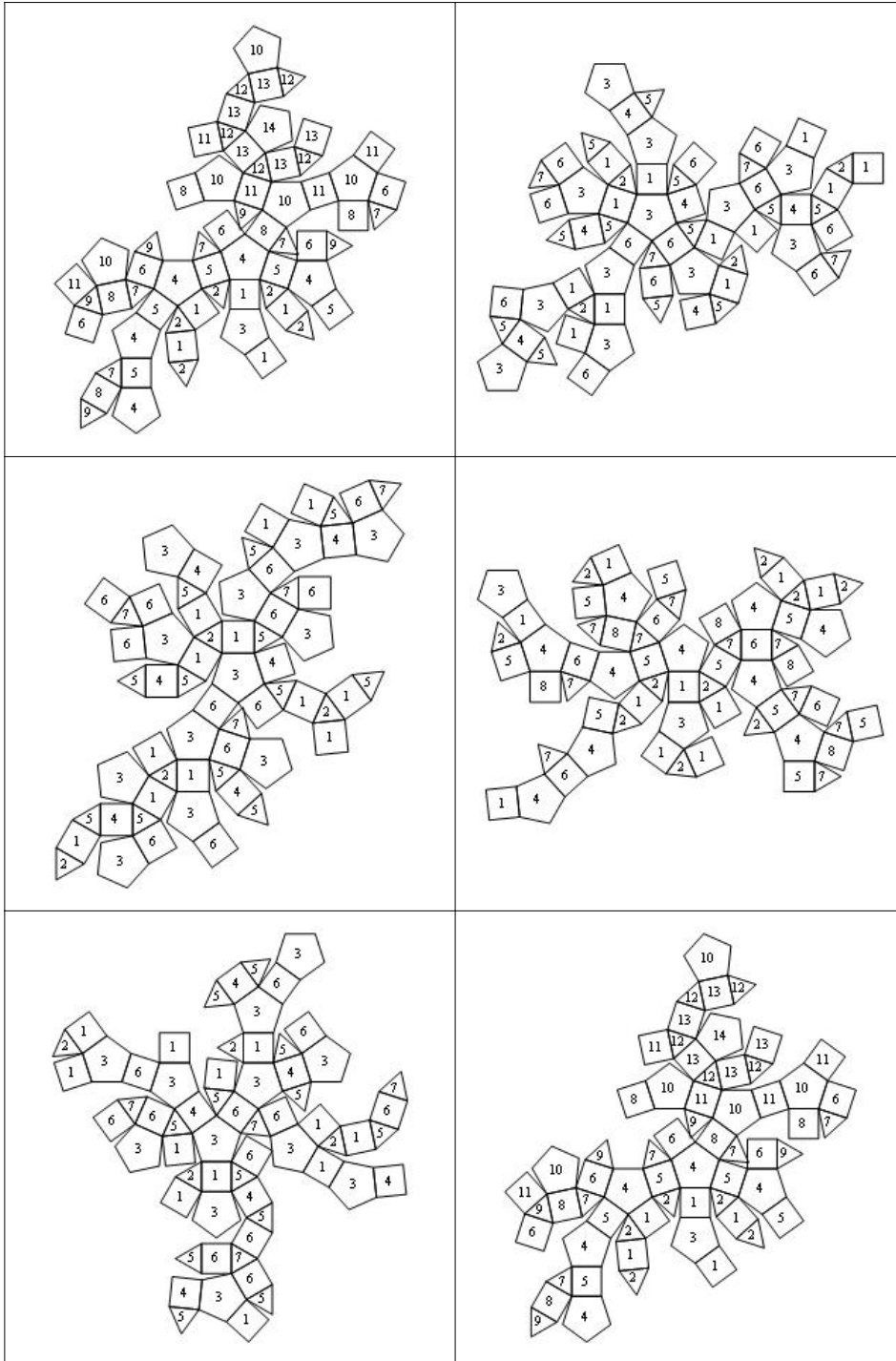
2.



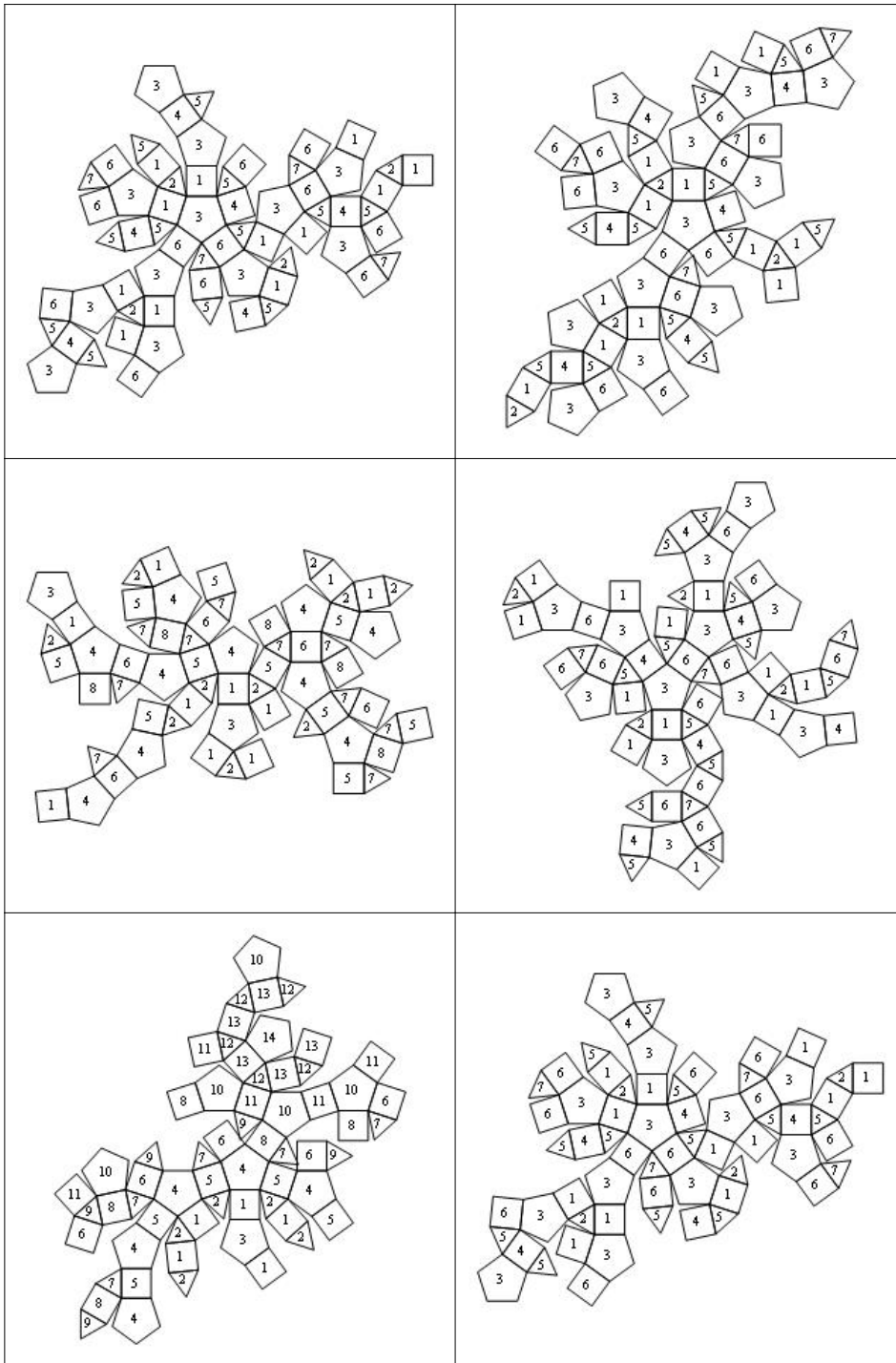
3.



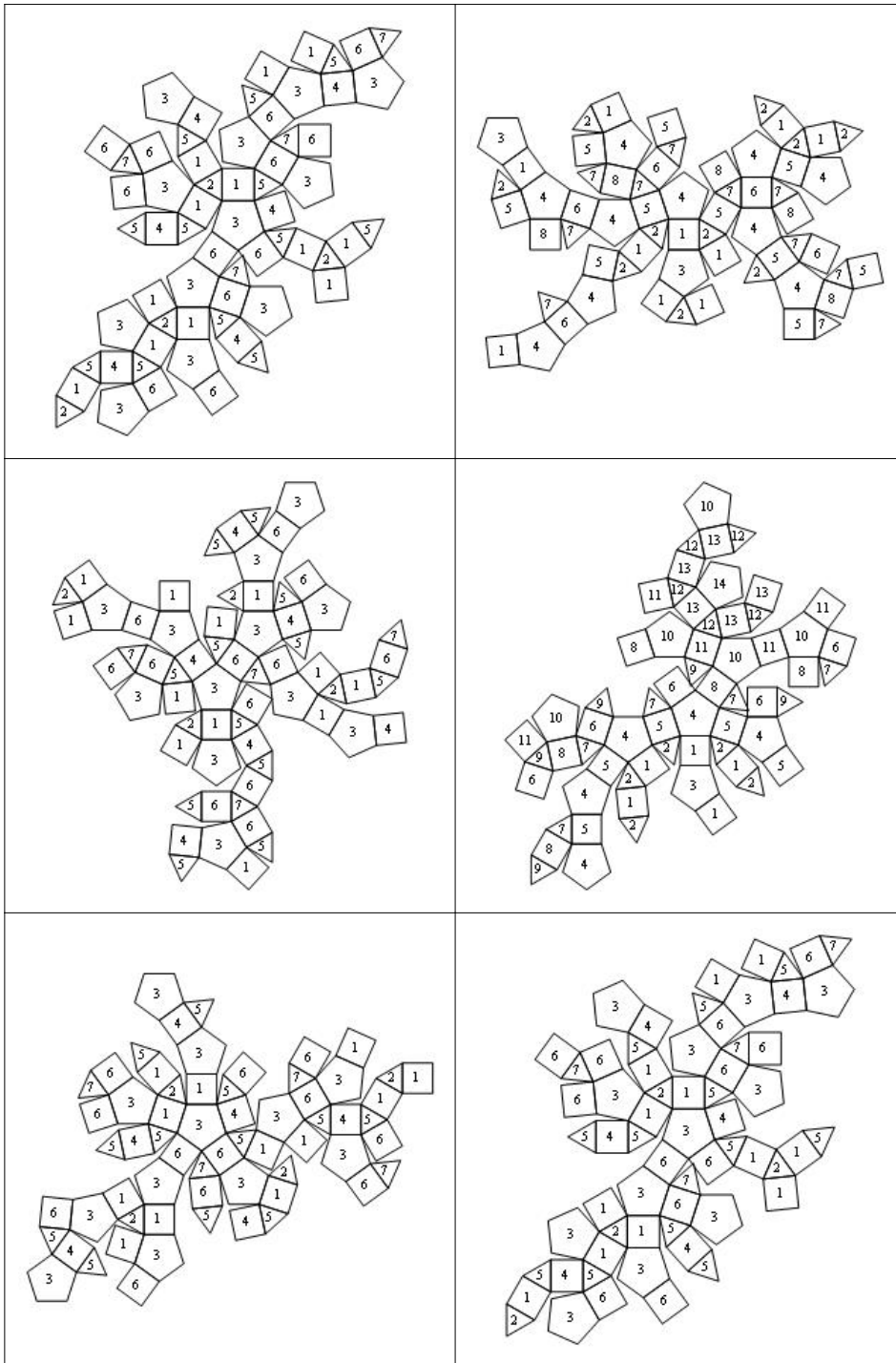
4.



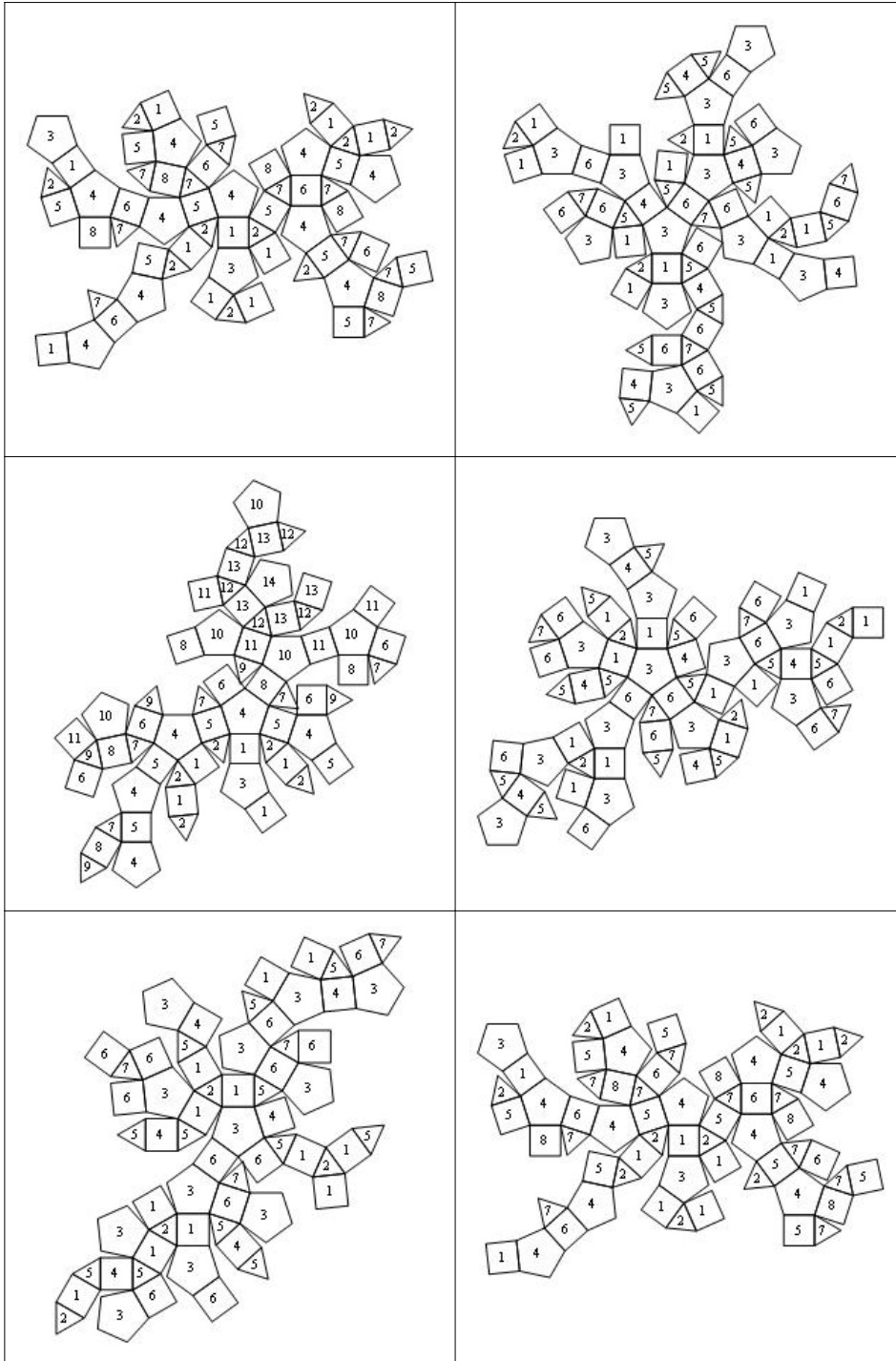
5.



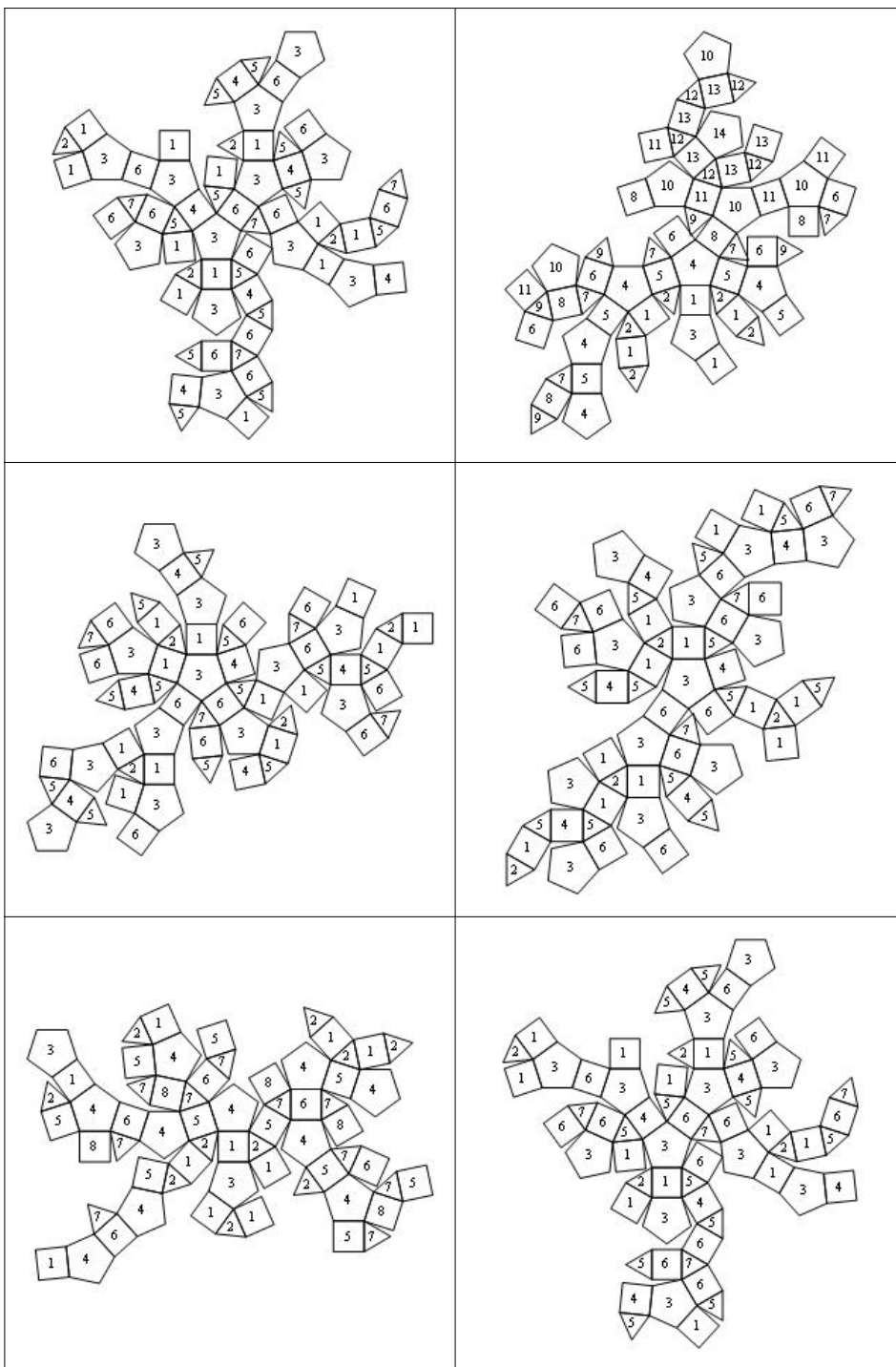
6.



7.



8.



Rešitve:

1.

$C_2$	$D_3$
$D_2$	$D_5$
$D_5$	$T$

2.

$D_5$	$T$
$C_5$	$T$
$T$	$D_5$

3.

$T$	$C_5$
$T$	$T$
$D_5$	$T$

4.

$C_5$	$T$
$T$	$D_5$
$T$	$C_5$

5.

T	T
$D_5$	T
$C_5$	T

6.

T	$D_5$
T	$C_5$
T	T

7.

$D_5$	T
$C_5$	T
T	$D_5$

8.

T	$C_5$
T	T
$D_5$	T

Reference:

Izidor Hafner

"Icosahedral Rotational Symmetry Types"

<http://demonstrations.wolfram.com/IcosahedralRotationalSymmetryTypes/Wolfram>

Demonstrations Project

Published: June 3, 2014