*****Základní škola Olomouc***

***příspěvková organizace***

***Mozartova 48, 779 00 Olomouc***

***tel.: 585 427 142, 775 116 442; fax: 585 422 713***

*e-mail:* ***kundrum@centrum.cz****;* [***www.zs-mozartova.cz***](http://www.zs-mozartova.cz/)

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***Projekt: ŠKOLA RADOSTI, ŠKOLA KVALITY***

***Registrační číslo projektu: CZ.1.07/1.4.00/21.3688***

***EU PENÍZE ŠKOLÁM***

***Operační program Vzdělávání pro konkurenceschopnost***

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| --- | --- |
| ***Autor:***  | *Mgr. Ivana Kubicová* |
| ***Vzdělávací oblast:*** | *Matematika a její aplikace* |
| ***Vzdělávací obor:*** | *Matematika* |
| ***Vyučovací předmět:*** | *Matematika*  |
| ***Ročník:*** | *6.*  |
| ***Tematická oblast:*** | *Geometrie v rovině a v prostoru*  |
| ***Téma hodiny:***  | *Osová souměrnost 2* |
| ***Označení DUM:***  | *VY\_32\_INOVACE\_39.15.KUB.MA.6* |
| ***Vytvořeno:*** | *11. 04. 2014* |

*1. Dokresli druhou polovinu obrázku, tak aby byl osově souměrný podle osy o.*

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*2. Sestroj obrazy rovinných útvarů v osové souměrnosti s osou o.*

B

C

A

D

E

A

C

B

o

o

K

L

M

N

o

S

o

O1

*3. Sestroj obraz útvaru v osové souměrnosti podle osy o1  a poté obraz vzniklého útvaru podle osy o2*

O1

O2

O2

*4. Vymaluj šedá políčka postupně podle osy o1, o2 a pak o3. V každé části přečti tajenku .*

O2

O1

O3

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| --- | --- | --- | --- | --- | --- | --- | --- |
|  | *K* | *M* | *E* | *A* | *O* | *P* | *A* |
|  |  | *A* | *M* | *M* | *N* | *O* | *E* |
|  |  |  | *A* | *K* | *D* | *E* | *L* |
|  |  |  |  | *V* | *U* | *A* | *S* |
|  |  |  |  |  | *E* | *O* | *U* |
|  |  |  |  |  |  | *K* | *M* |
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| *U* | *R* | *A* | *E* | *S* | *A* | *U* |  |
| *I* | *M* | *E* | *B* | *U* | *U* |  | *B* |
| *L* | *D* | *I* | *N* | *M* |  | *E* | *A* |
| *I* | *S* | *L* | *N* |  | *M* | *K* | *E* |
| *M* | *T* | *K* |  | *H* | *M* | *A* | *R* |
| *I* | *O* |  | *E* | *N* | *U* | *C* | *V* |
| *R* |  | *M* | *A* | *L* | *E* | *N* | *O* |
|  | *N* | *M* | *B* | *L* | *U* | *O* | *K* |

*Tajenka:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

*1. Dokresli druhou polovinu obrázku, tak aby byl osově souměrný podle osy o.*

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*2. Sestroj obrazy rovinných útvarů v osové souměrnosti s osou o.*

D´

B

C

A

D

E

A

C

B

o

C´

o

B´

C´

E´

B´

A´

A´

N´

K

L

M

N

o

S

o

K´

S´

M´

L´

O1

*3. Sestroj obraz útvaru v osové souměrnosti podle osy o1  a poté obraz vzniklého útvaru podle osy o2*

O1

O2

O2

*4. Vymaluj šedá políčka postupně podle osy o1, o2 a pak o3. V každé části přečti tajenku .*

O2

O1

O3

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | *K* | *M* | *E* | *A* | *O* | *P* | *A* |
|  |  | *A* | *M* | *M* | *N* | *O* | *E* |
|  |  |  | *A* | *K* | *D* | *E* | *L* |
|  |  |  |  | *V* | *U* | *A* | *S* |
|  |  |  |  |  | *E* | *O* | *U* |
|  |  |  |  |  |  | *K* | *M* |
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| *U* | *R* | *A* | *E* | *S* | *A* | *U* |  |
| *I* | *M* | *E* | *B* | *U* | *U* |  | *B* |
| *L* | *D* | *I* | *N* | *M* |  | *E* | *A* |
| *I* | *S* | *L* | *N* |  | *M* | *K* | *E* |
| *M* | *T* | *K* |  | *H* | *M* | *A* | *R* |
| *I* | *O* |  | *E* | *N* | *U* | *C* | *V* |
| *R* |  | *M* | *A* | *L* | *E* | *N* | *O* |
|  | *N* | *M* | *B* | *L* | *U* | *O* | *K* |

*Tajenka: AMADEUS, BUDIMIL, EMANUEL*