



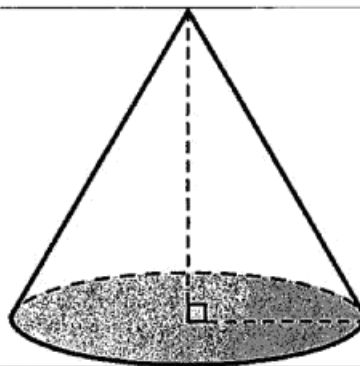
## ACTIVITY

|  |                          |
|--|--------------------------|
| TEACHER`S NAME   | NAME OF THE ACTIVITY     |
| Sarka  | 3D Shape domino          |
| Time: 20-30 minutes<br>Language level: Elementary to Upper-Intermediate<br>Language focus: Vocabulary of shapes, expressing volume and area in English<br>Aim: Ss will learn 3D shapes and how to say formulas of volume and area in English<br>Ss will revise and extend their knowledge of volume and area of different shapes |                          |
| Preparation:   | Materials:               |
| cut up dominoes, cut up volume and area cards  | (colour) paper, scissors |
| Procedure:<br>- Ss work in pairs or small groups<br>- Ss match dominoes with words in English and shapes on them<br>- Ss decide if formulas describe volume or area and divide cards into 2 groups<br>- Ss match volume and area to shapes<br>- feedback: - compare answer with another group<br>- group / class feedback        |                          |

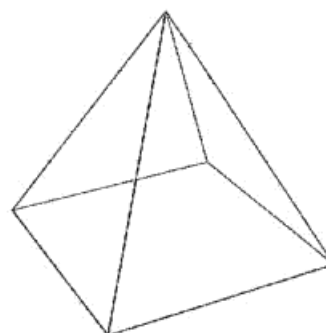


Shapes domino

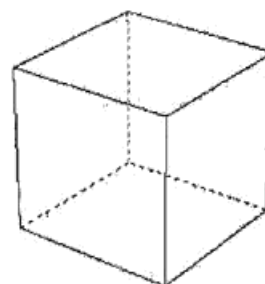
pyramid  
with flat top



cone



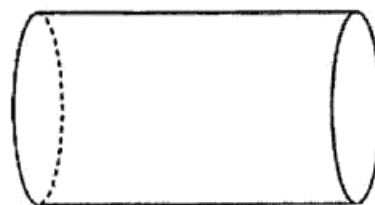
pyramid



cube

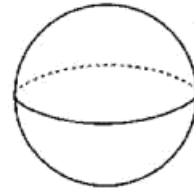


cone with  
flat top

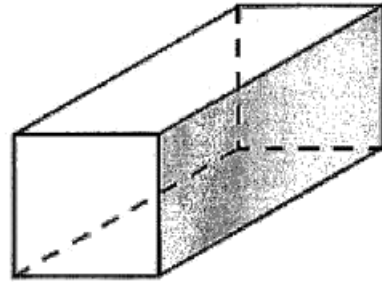




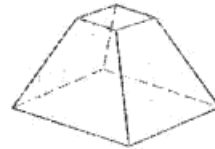
cylinder



sphere

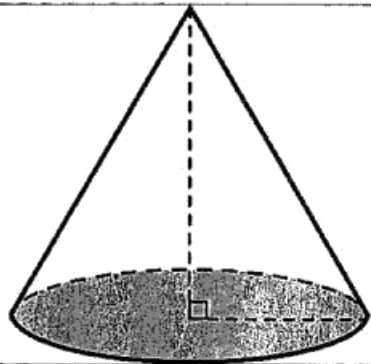


rectangle

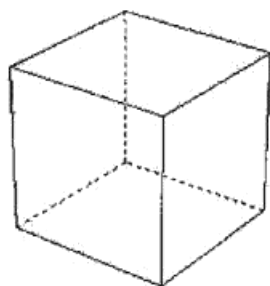




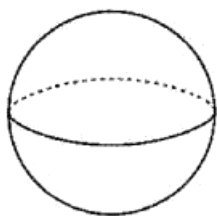
ANSWER:



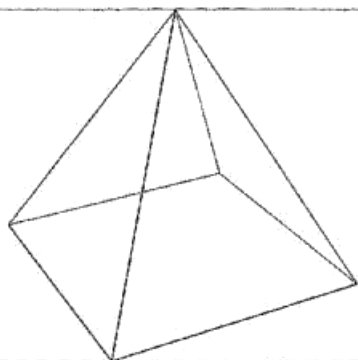
cone



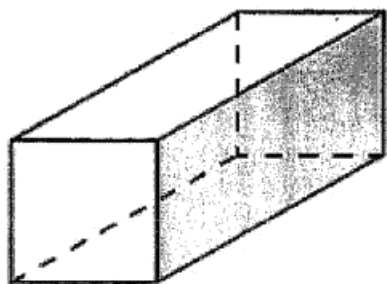
cube



sphere



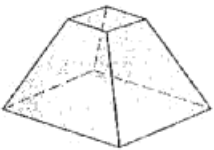


pyramid



rectangle



|   |   |
|---|---|
|    | <p><b>cylinder</b></p>                  |
|    | <p><b>cone with<br/>flat top</b></p>    |
|  | <p><b>pyramid<br/>with flat top</b></p> |

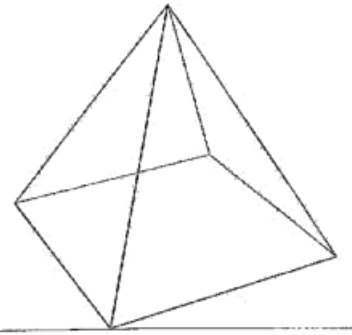


| SHAPE                    | VOLUME  | AREA   |
|--------------------------|---|--|
| cone                     | $\frac{1}{3}\pi r^2 v$                          | $\pi r(r+s)$   |
| cube                     | $a^3$   | $6a^2$   |
| sphere                   | $\frac{4}{3}\pi r^3$                            | $4\pi r^2$   |
| pyramid                  | $\frac{1}{3}S_p v$                              | $S_p + S_{pl}$   |
| rectangle                | $abc$   | $2(ab+ac+bc)$  |
| cylinder                 | $\pi r^2 v$                                     | $2\pi r^2 + 2\pi r s =$<br>$2\pi r(r+s)$                           |
| cone with<br>flat top    | $\frac{\pi v}{3}(r_1^2 +$<br>$r_1 r_2 + r_2^2)$ | $\pi r_1^2 + \pi r_2^2 + \pi(r_1+r_2)$<br>$\sqrt{v^2+(r_1-r_2)^2}$ |
| pyramid with<br>flat top | $\frac{v}{3}(S_1 + \sqrt{S_1 S_2}$<br>$+ S_2)$  | $S_1 + S_2 + S_{pl}$   |

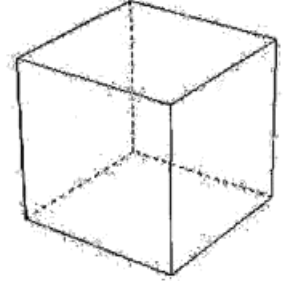


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z programu Evropské unie  
Erasmus+

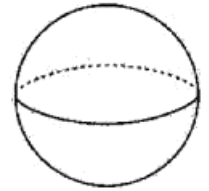
cone



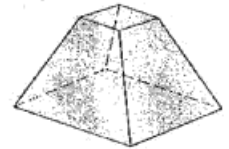
rectangular  
pyramid



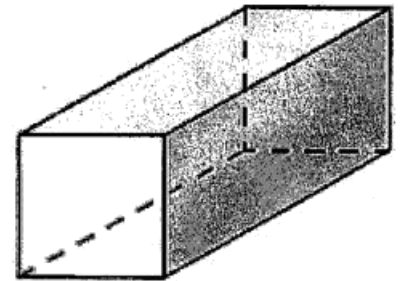
cylinder



rectangle



sphere



Shape domino



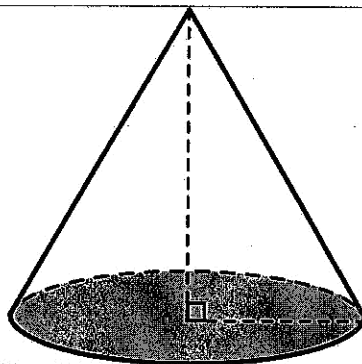
cube



Spolufinancováno  
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pyramid  
with flat top



one with  
flat top

