



WORKBOOK

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Subject: **Computer science**

Student:

School year:/.....

Topic: Computer graphics - theory

1. Write some color models:

2. Decide the format of following graphics files (raster or vector):

TIFF

AI

WMF

BMP

PNG

GIF

JPG

EPS

3. How much color has a picture in 16-bit color depth?

4. Decide if the picture is raster or vector:

A



B



C



D



E



5. Name the color model of display:

6. What is DPI?

7. Write difference between the lossless data compression and the "lossy" compression:

Name formats of both types:

8. Which format can be animated?

BMP GIF TIFF JPG

9. Conect the describing faults with pictures:

High contrast less brightness small definition less colors



10. Describe which part of the RGB color cube represents green value:



11. Name the colors that represent the color model CMYK:

12. Draw a vertical and a horizontal line in the rectangle and circle the golden ratio:



13. Connect the names of the colors:

- 100% cyan (CMYK)
- 100% blue (RGB)
- 100% magenta (CMYK)
- 50% cyan (CMYK)
- 50% black (CMYK)
- 100% black (CMYK)
- 100% red (RGB)
- 100% green (RGB)

