

CADD 1-eScaling Test

1. What is the e-scale factor for 2"=1'?

- ☐ A) 6
- ☐ B) .5
- ☐ C) 48

2. What are the Limits of a B size sheet, 17 x 11, at an e-scale factor of 2"=1'?

- ☐ A) 102, 66
- ☐ B) 66, 102
- ☐ C) 34, 22

3. What is the e-scale factor for 1/4"=1'?

- ☐ A) 32
- ☐ B) 4
- ☐ C) 48

4. What are the limits of a C-size sheet at an e-scale factor of 3/16"=1'?

- ☐ A) 704, 544
- ☐ B) 88, 68
- ☐ C) 1408, 1088

5. What is the e-scale factor for 1"=25.4?

- ☐ A) .254
- ☐ B) 25.4
- ☐ C) 254

6. What are the limits of an A-size sheet, landscape, at an e-scale factor of 1" = 25.4?

- ☐ A) 11, 8.5
- ☐ B) 431.8, 279.4
- ☐ C) 279.4, 215.9

7. What is the e-scale factor for an A-size sheet at 10"=254?

- ☐ A) .254
- ☐ B) 25.4
- ☐ C) 254.0

8. What are the limits of an A-size sheet, landscape, at an e-scale factor of $10''=254'$?

- ☐ A) 279.4, 215.9
- ☐ B) 431.8, 279.4
- ☐ C) 215.9, 279.4

9. What is the e-scale factor for $3/32''=1'-0''$?

- ☐ A) 12
- ☐ B) 64
- ☐ C) 128

10. What is the maximum size object that could fit to the outside edge of a B-size sheet, 17 x 11, at an e-scale factor of $3/32''=1'-0''$?

- ☐ A) 2176, 1152
- ☐ B) 2176, 1408
- ☐ C) 2176, 544

11. What is the e-scale factor for $1/2''=1'-0''$?

- ☐ A) 24
- ☐ B) 32
- ☐ C) 64

12. What is the maximum size object that could fit to the outside edge of an A-size sheet, 11 x 8.5, at an e-scale factor of $1/2''=1'-0''$?

- ☐ A) 264, 204
- ☐ B) 704, 544
- ☐ C) 1408, 1088

13. What is the e-scale factor for $1\ 1/2''=1'$?

- ☐ A) .500
- ☐ B) .666
- ☐ C) 1.5

14. What is the e-scale factor for $2''=1'$?

- ☐ A) 15.0
- ☐ B) .666
- ☐ C) .500

15. If a drawing's e-scale factor is $1/4"=1' 0"$ and text is drawn at 6" inches, what will the text measure when plotted?

- ☐ A) $1/16"$
- ☐ B) $1/8"$
- ☐ C) 3"

16. What is the e-scale factor for $1/16"=1' 0"$?

- ☐ A) 12
- ☐ B) 384
- ☐ C) 192

17. What size would the text height be set to if your e-scale factor is $1/4"=1' 0"$ and you want to plot $3/32"$ (.09375) text?

- ☐ A) 2"
- ☐ B) 4.5"
- ☐ C) 6.5"

18. If you wanted to double the scale of the objects at the plotter what would your response be in the plot dialog box's plot scale area text boxes?

- ☐ A) 1=2
- ☐ B) 2=1
- ☐ C) 3=1

19. If you want a drawing's objects to be plotted at half the size they were drawn at what would your response be in the plot dialog box's plot scale area text boxes?

- ☐ A) .05
- ☐ B) 2=1
- ☐ C) 1=2

20. What are the limits for an A-size sheet with a e-scale factor of $1"=1'$?

- ☐ A) X=264, Y=204
- ☐ B) X=22, Y=17
- ☐ C) X=132, Y=102

21. What would be the appropriate e-scale factor to fit a 30' x 30' foundation on an A-size drawing sheet?

- ☐ A) $3/8"=1' 0"$
- ☐ B) $3/4"=1' 0"$
- ☐ C) $1/4"=1' 0"$

For questions 22, 23, 24, & 25 use a rectangular product size of 1200" long by 900" wide that is centered on a D-size sheet, 36" x 24", at an e-scale factor of $\frac{1}{4}" = 1'-0"$. Be sure to center the product.

22. What is the e-scale factor for the product layout?

- ☐ A) 12
- ☐ B) 24
- ☐ C) 48

23. What are the drawing's Limits for this product layout?

- ☐ A) 2176, 1408
- ☐ B) 1728, 1152
- ☐ C) 1088, 704

24. What is the margin in units after the product is centered on the paper?

- ☐ A) 264, 126
- ☐ B) 552, 318
- ☐ C) 1128, 702

25. What is the margin in physical inches after the product is centered on the paper?

- ☐ A) 11.75, 7.3125
- ☐ B) 8.625, 4.96875
- ☐ C) 5.5, 2.625

26. The desired text height at the plotter is $\frac{1}{8}"$, the e-scale factor is $\frac{1}{8}" = 1'-0"$, what size should the text in the drawing be created at?

- ☐ A) 4
- ☐ B) 8
- ☐ C) 12

27. The desired text height at the plotter is 1", the e-scale factor is $\frac{1}{4}" = 1'-0"$, what size should the text in the drawing be created at?

- ☐ A) 12
- ☐ B) 36
- ☐ C) 48

28. If you perform the LIST command on a piece of text in a drawing and AutoCAD's reports its height as 3". The drawing has an electronic e-scale factor of $\frac{1}{4}" = 1'-0"$, at what size will the text in the drawing plot?

- ☐ A) .0625
- ☐ B) .125
- ☐ C) .250

29. What is the LTSCALE factor for a ComEd drawing that has a scale factor of $\frac{3}{32}" = 1'-0"$?

- ☐ A) 12
- ☐ B) 32
- ☐ C) 64

30. What would you scale the objects of an alternately scaled detail to if the overall scale factor for a drawing was $\frac{1}{16}" = 1'-0"$ and the alternate scaled detail was $\frac{1}{8}" = 1'-0"$?

- ☐ A) .5
- ☐ B) 2
- ☐ C) 1

31. What would be the proper setting for the DIMLFAC variable during dimensioning of the alternately scaled detail in depicted in Question 30?

- ☐ A) .5
- ☐ B) 2
- ☐ C) 4

32. If the raster image in a scanned drawing shows a dimension of 6'-10 $\frac{1}{2}"$ and AutoCAD reports the distance between the two points of that dimension to be 2 $\frac{3}{4}"$, what would the raster ratio for that drawing be?

- ☐ A) .333
- ☐ B) .0333
- ☐ C) 1.333

33. If the scanned and attached raster image in a drawing shows a dimension of 62'-0" and AutoCAD reports that distance as 63'-4 $\frac{1}{2}"$ what would the correction factor for the eScale command be?

- ☐ A) .9783
- ☐ B) .333
- ☐ C) .2500

34. A drawing is to be scaled at 1:4. If the actual size of the object measures 35" x 17", what would recommend for the sheet size?

- ☐ A) A Size Sheet
- ☐ B) B Size Sheet
- ☐ C) C Size Sheet

35. Same object and scale from the previous question, what will the size of the object measure on the final "plotted" paper?

- ☐ A) 11" x 8.5"
- ☐ B) 8.75" x 4.25"
- ☐ C) 17.5" x 8.5"

36. A building measures 60' x 40'. What is the smallest sheet it will fit on at $\frac{1}{4}" = 1'-0"$?

- ☐ A) A
- ☐ B) B
- ☐ C) C

37. A cylindrical object is 6.25" long and 3.5" in diameter. To show end and side views at full scale, while leaving at least 1" all around and between views, and have a $\frac{1}{2}"$ for the border, what size sheet will you need?

- ☐ A) A
- ☐ B) B
- ☐ C) C

38. A circular object measures 2.7" in diameter on paper; the e-scale factor note on the drawing states 2:1. How big is the real object?

- ☐ A) 5.4"
- ☐ B) 2.7"
- ☐ C) 1.35"

39. A scale factor of 1"=100' is equivalent to a ratio of?

- ☐ A) 1:1200
- ☐ B) 1:100
- ☐ C) 1:120

40. Which AutoCAD command sets the sheet size?

- ☐ A) SCALE
- ☐ B) ELLIPSE
- ☐ C) LIMITS