

Scaling

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- ⌘ Changing size
- ⌘ Same size = ?
 - ☑ 100%
- ⌘ Less than 100% = Reduction
- ⌘ Greater than 100% = Enlargement
- ⌘ Never
 - ☑ Reduce 50%

The Proportion Scale

- ⌘ Original size
 - ☑ What you start with
 - ☑ Art, line of type, photo
- ⌘ Reproduction size
 - ☑ The new size

The Proportion Scale

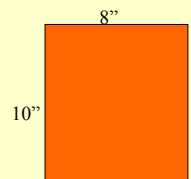
- ⌘ Original size
 - ☑ On the inner scale
- ⌘ Reproduction size
 - ☑ On the outer scale
- ⌘ Window
 - ☑ Percentage of reproduction

The Proportion Scale

- ⌘ Look at the 1-2" section
 - ☑ Widely spaced
 - ☑ Every 1/8" mark is printed
- ⌘ Look at the 6-7" section
 - ☑ Only the 1/2" mark is printed
- ⌘ Look at the 10-11" section
 - ☑ No printed fractions

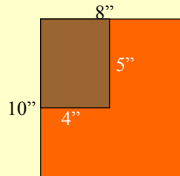
Changing Size

- ⌘ The box is 8 x 10"
 - ☑ Line up 8" on the Original Scale with 8" on the Reproduction Size Scale.
 - ☑ What is the % of Reproduction?
- ⌘ Half the size of the box would be what % size?
What is your guess?



Changing Size

- ⌘ Did you guess 50%?
- ⌘ Find 50% in the % of Reproduction window
- ⌘ Find 8" & 10" in the original size scale
- ⌘ What do they line up with?
- ⌘ Is $4 \times 5 \frac{1}{2}$ of 8×10 ?"



Problem Solving

- ⌘ You have a line 3" long. Your new size is to be 5 1/2". What is the % of reproduction?
- ⌘ Does the line only have one dimension?

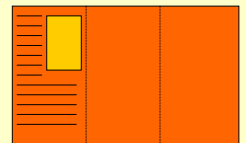
- ⌘ No, it has length and width. Everything does and you must take that into account.

Problem Solving

- ⌘ Your original size is 8h x 10"w. The repro size is to be 6"h. What is the % of reproduction?
- ⌘ Line up the 8" on the original scale with 6" on the repro scale. Find the 10" in the original scale, jump right across to the repro scale and read the measurement?
- ⌘ What is the % of reproduction?

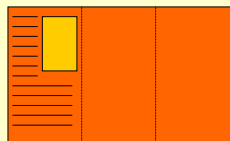
Problem Solving

- ⌘ You are planning a brochure with a photo space that is 2 x 3". Your photo is 4 1/2 x 5". What is the % of reproduction to make the photo fit the brochure?



Problem Solving

- ⌘ The photo is not proportional to the layout.
- ⌘ You must *Crop* the photo.
- ⌘ How much of the photo will be left?



Scaling on the Computer

- ⌘ Adobe Illustrator
- ⌘ First select art to scale
- ⌘ Open art in Illustrator
- ⌘ Use Window, Show Info for measurements
- ⌘ Use the scale tool