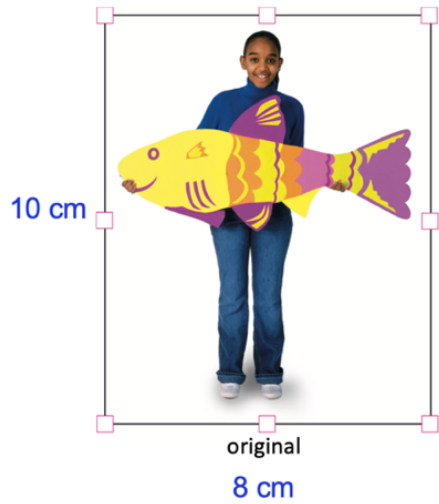


Teaching Aid 4.1: Using proportions to find scale drawings



ratio of long side to short side

$$\frac{10}{8} = \frac{5}{4}$$

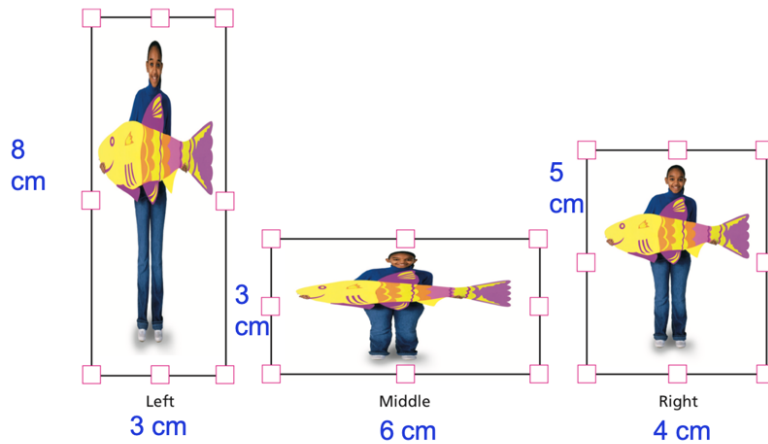


Image Information

| Height (cm) | Width (cm) | Height-to-Width Ratio |
|-------------|------------|-----------------------|
| 10 | 8 | 10 to 8 |
| 8 | 3 | 8 to 3 |
| 3 | 6 | 3 to 6 |
| 5 | 4 | 5 to 4 |

ratio of long side to short side using fraction form

$$\frac{8}{3}$$

$$\frac{3}{6}$$

$$\frac{5}{4}$$

comparison of the ratios from the original to each image

$$\frac{8}{3} \neq \frac{5}{4}$$

$$\frac{3}{6} \neq \frac{5}{4}$$

$$\frac{5}{4} = \frac{5}{4}$$