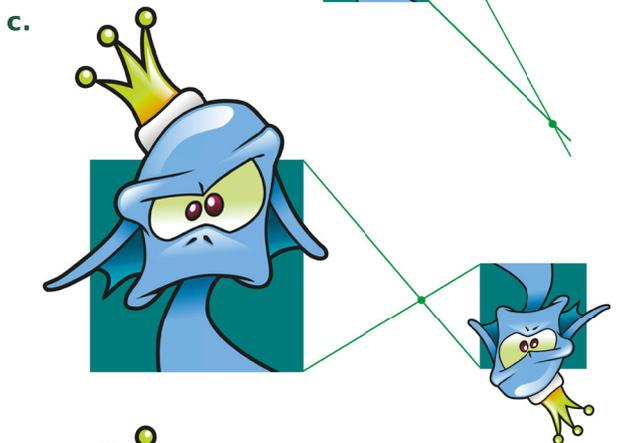
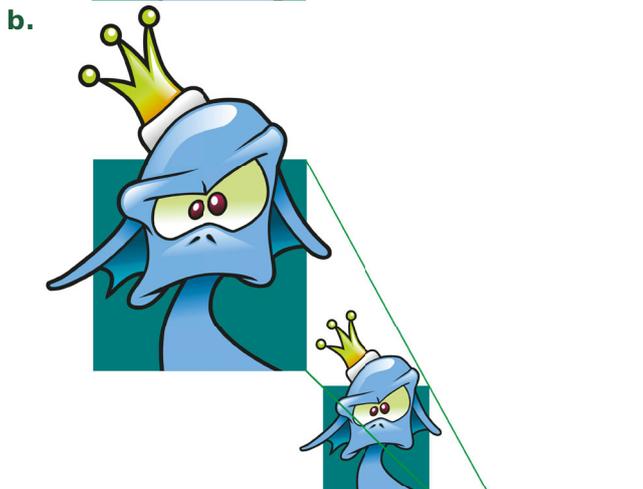
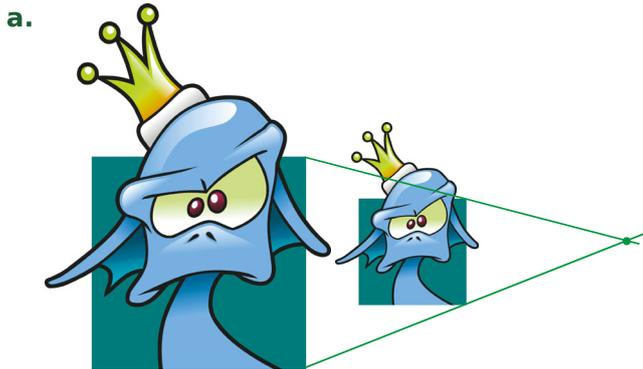
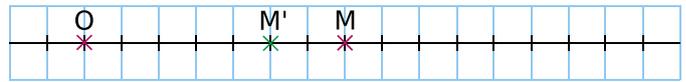


1 Construis le centre de l'homothétie qui transforme la figure de gauche en la figure de droite.

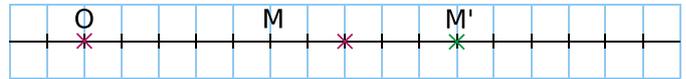


2 Dans chaque cas, construis le point M', image de M par l'homothétie de centre O et de rapport k.

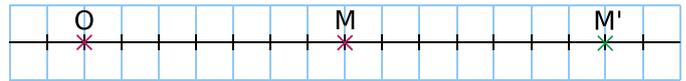
a. $k = \frac{5}{7}$



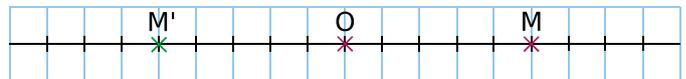
b. $k = \frac{10}{7}$



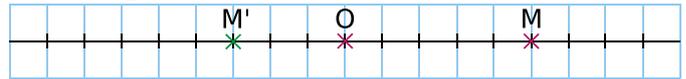
c. $k = 2$



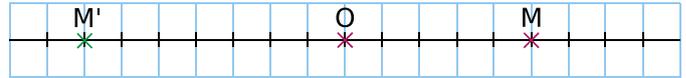
d. $k = -1$



e. $k = -\frac{3}{5}$



f. $k = -\frac{7}{5}$



3 Images d'un triangle

a. Construis en bleu l'image du triangle gris par l'homothétie de centre O et de rapport 2 ;

b. Construis en rouge l'image du triangle gris par l'homothétie de centre O et de rapport $\frac{1}{2}$.

