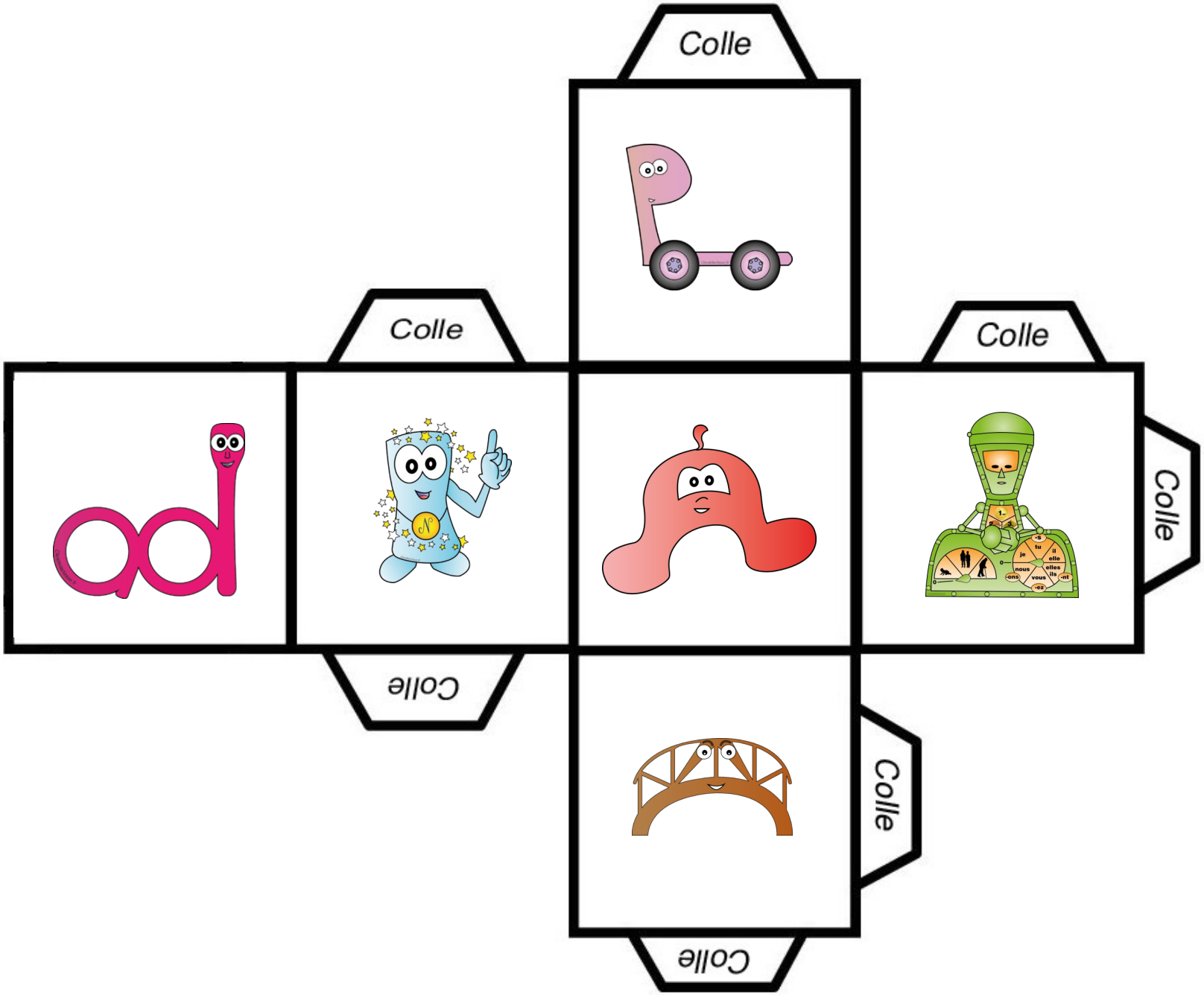Collaboration entre les clés de la classe et ala aime sa classe