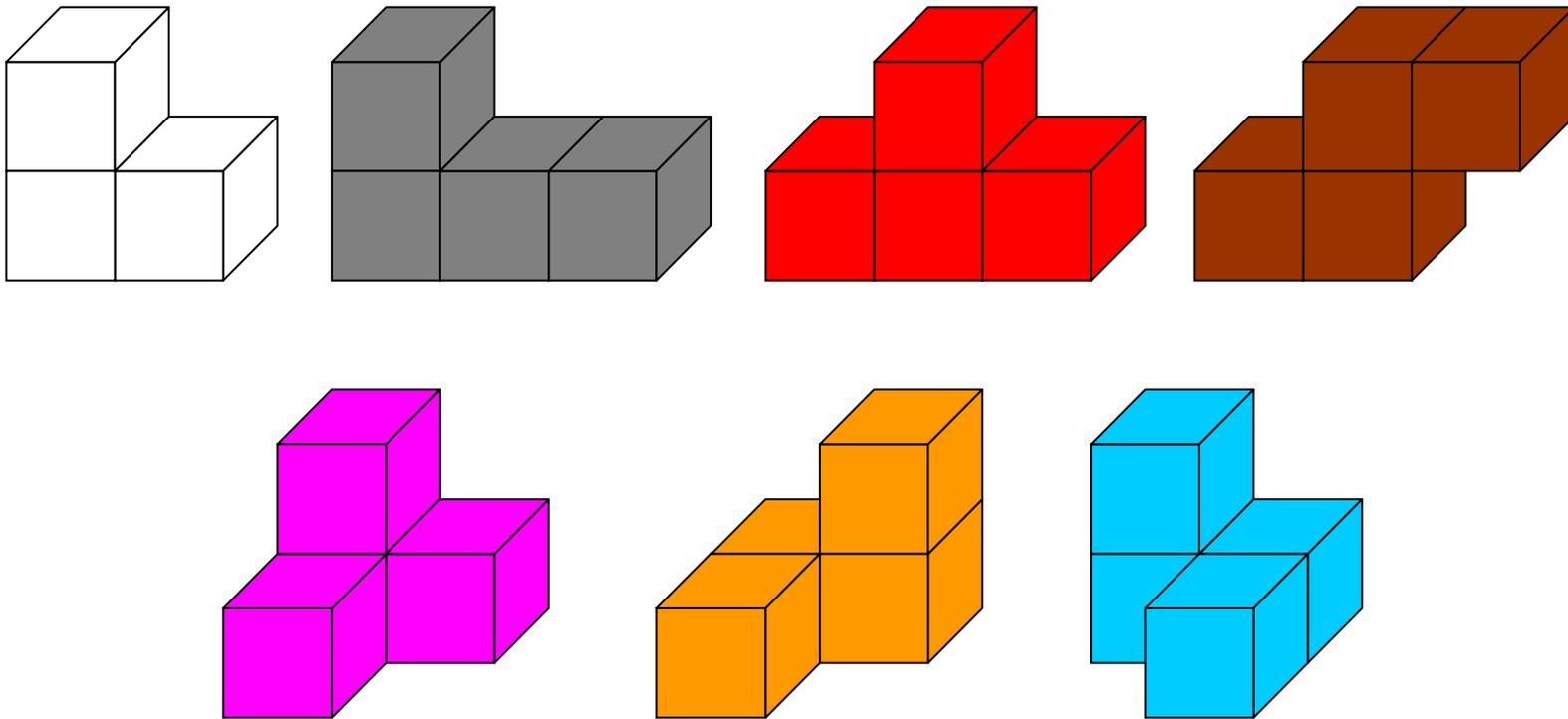
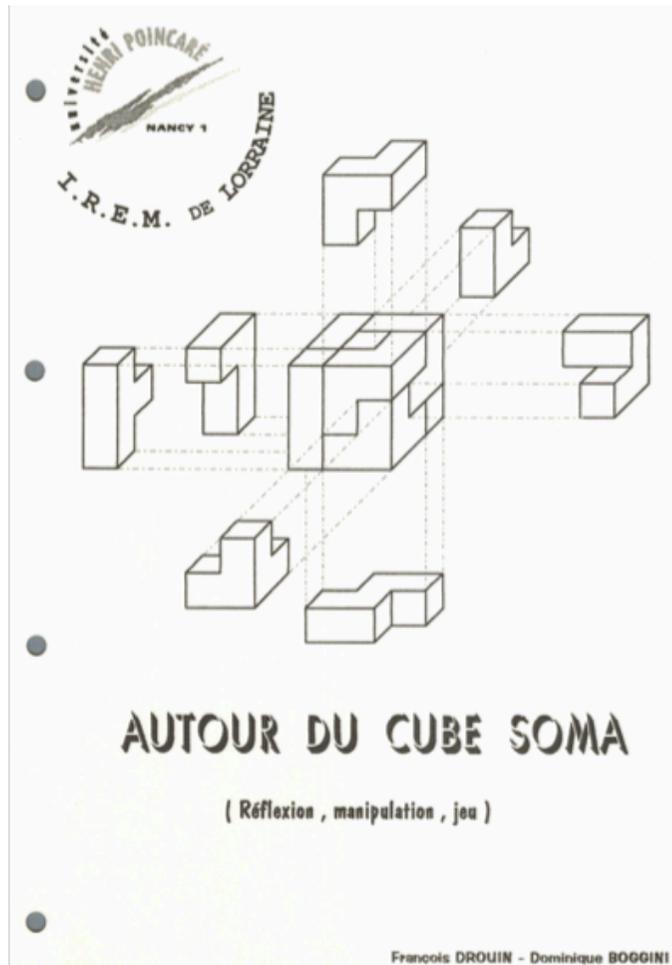


ÉTAPE APRÈS ÉTAPE, AVEC LES PIÈCES DU CUBE SOMA (Partie 2)





<http://numerisation.irem.univ-mrs.fr/LO/ILO96036/ILO96036.pdf>

Cette seconde partie reprend des dessins de solides imaginés par Claude Pagano et proposées dans la brochure « Autour du cube SOMA » éditée en 1995 par l'IREM de Lorraine (pages 51 et 52). Les différentes étapes ont été spécialement dessinées pour ce document.

Claude Pagano était un membre du groupe jeux de l'APMEP, il aimait partager ses découvertes avec les enseignants joueurs de Lorraine.

Les activités avaient été imaginées pour des élèves de 6^{ème} de collège et de 5^{ème} SES (actuellement SEGPA).

En 2019, l'envie est venue de reprendre ces étapes de construction pour les proposer à de jeunes enfants et les adultes de leur entourage. Les propositions des pages 17 et 18 intéresseront les enfants plus âgés et les adultes.

<http://apmeplorraine.fr/spip.php?article412> Les couleurs sont celles utilisées lors des utilisations dans le département de la Meuse et dans les documents déposés sur le site de la régionale APMEP Lorraine.

http://apmeplorraine.fr/IMG/pdf/1_polycubes_2019.pdf Les utilisateurs de notre exposition régionale retrouveront des pièces de mêmes couleurs parmi les pièces proposées dans le stand « 1 - Polycubes ».

En complément

https://www.apmep.fr/IMG/pdf/Cube_Soma_TE_FD.pdf

Étape par étape, neuf façons différentes de construire le cube avec les sept pièces.

http://apmeplorraine.fr/IMG/pdf/16_2019_cube_codage_perspective.pdf

Étape par étape, les neuf façons précédentes sont reprises et codées en utilisant les couleurs des pièces.

<https://melusine.eu.org/syracuse/poulecl/Cubes/Cubes.pdf>

De la page 27 à la page 31, des constructions pièce par pièce d'un certain nombre de solides.

https://www.educmat.fr/categories/jeux_reflexion/fiches_jeux/cubesoma/index.php

Des propositions de construction avec 3, 4, 5, 6 ou 7 pièces. Les étapes pièce par pièce ne sont pas fournies.

<https://fam-bundgaard.dk/SOMA/SOMA.HTM>

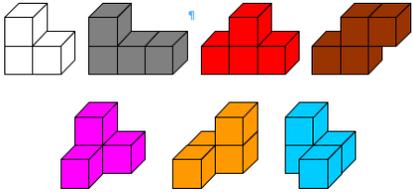
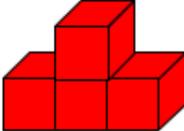
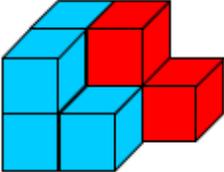
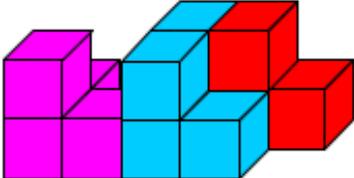
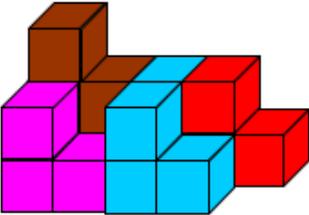
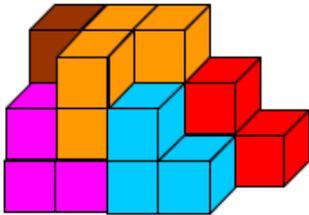
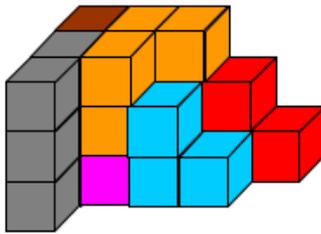
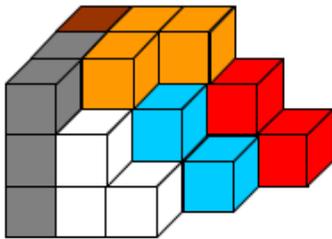
Depuis un certain nombre d'années, c'est le site de référence des amateurs du cube SOMA.

https://www.educmat.fr/categories/jeux_reflexion/fiches_jeux/cubesoma/thorleif.pdf

De très nombreuses réalisations avec les sept pièces. Les étapes pièces par pièce ne sont pas fournies.

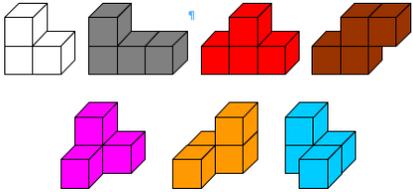
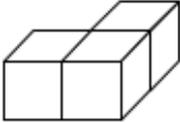
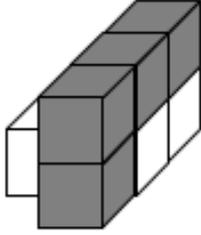
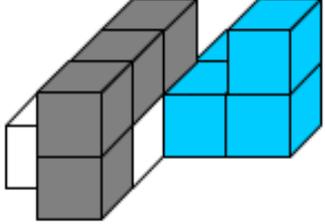
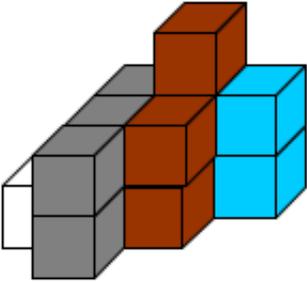
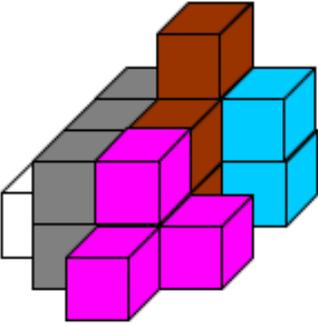
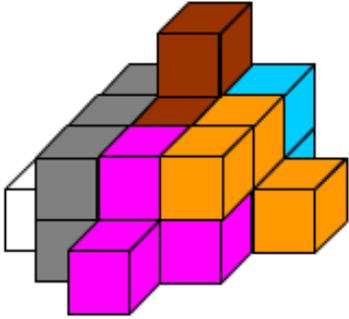
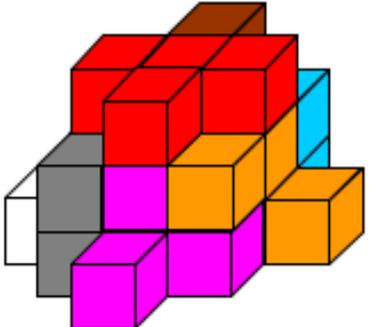
Un premier solide page 51

<http://numerisation.irem.univ-mrs.fr/LO/ILO96036/ILO96036.pdf>

Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

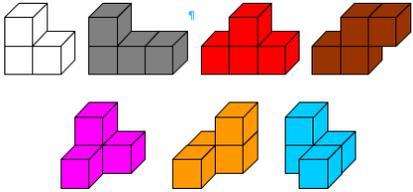
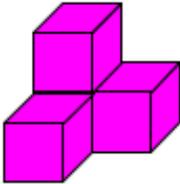
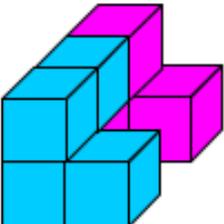
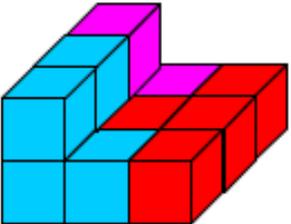
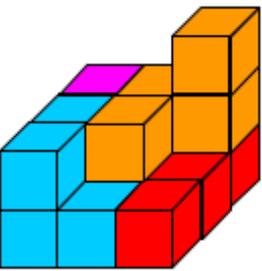
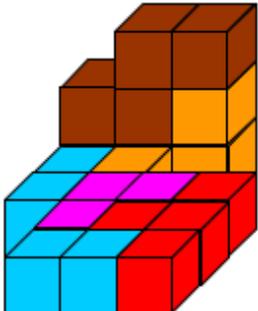
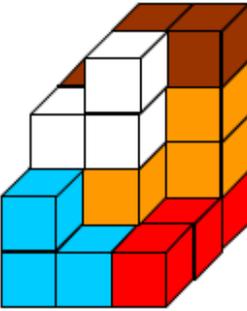
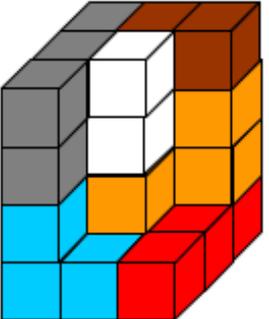
Un deuxième solide page 51

<http://numerisation.irem.univ-mrs.fr/LO/ILO96036/ILO96036.pdf>

Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

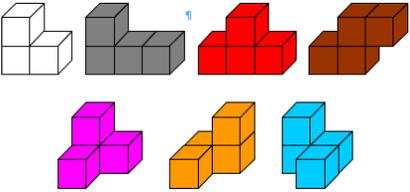
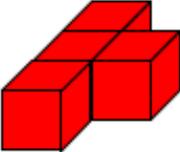
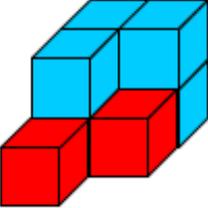
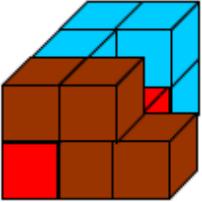
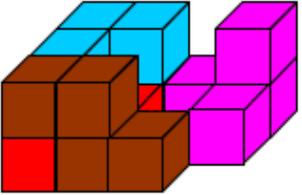
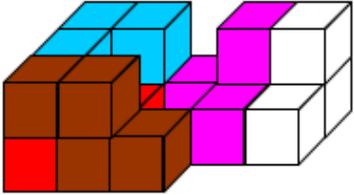
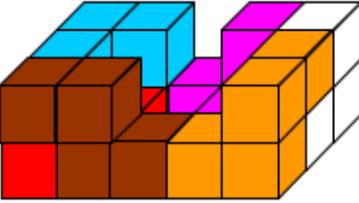
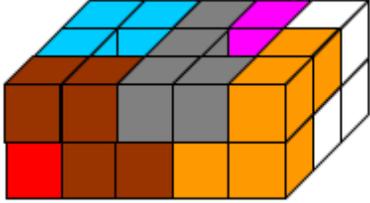
Un troisième solide page 51

<http://numerisation.irem.univ-mrs.fr/LO/ILO96036/ILO96036.pdf>

Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

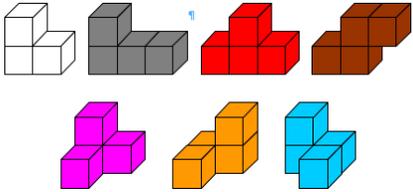
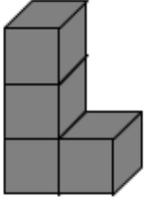
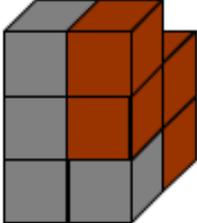
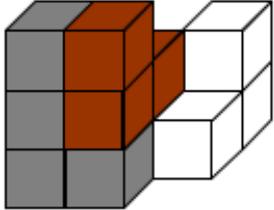
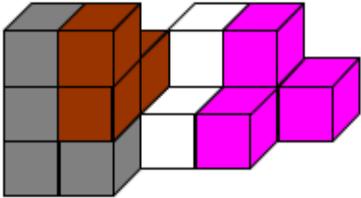
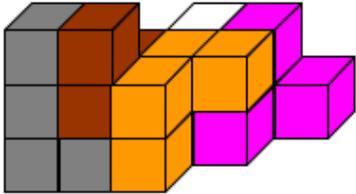
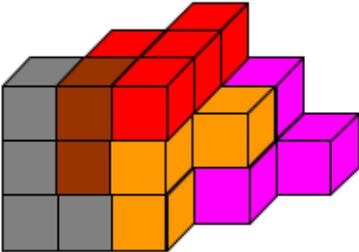
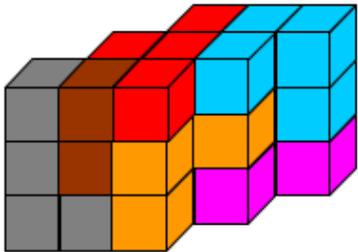
Un quatrième solide page 51

<http://numerisation.irem.univ-mrs.fr/LO/ILO96036/ILO96036.pdf>

Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

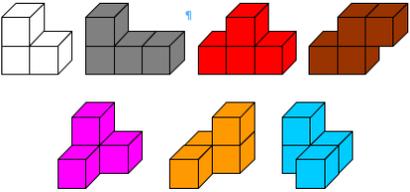
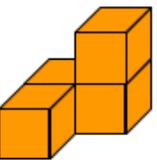
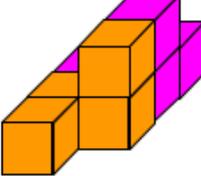
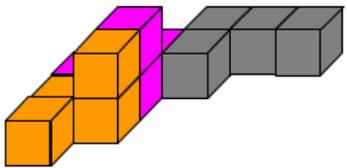
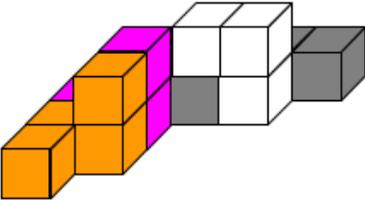
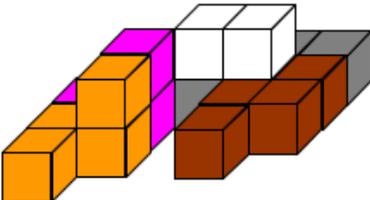
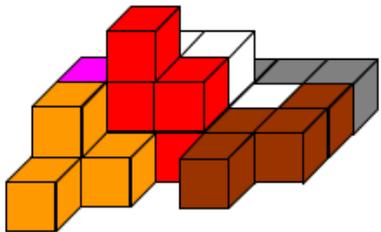
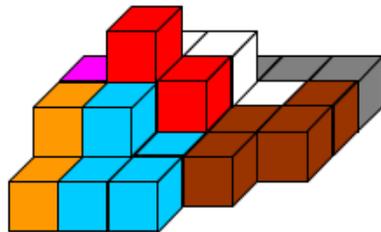
Un cinquième solide page 51

<http://numerisation.irem.univ-mrs.fr/LO/ILO96036/ILO96036.pdf>

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Étape 4	Étape 5	Étape 6	Étape 7
			

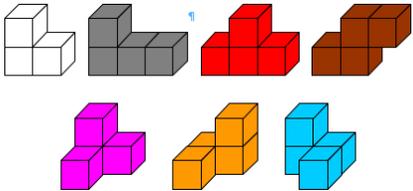
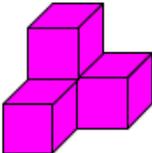
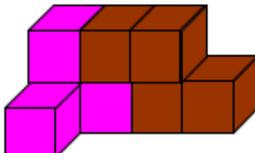
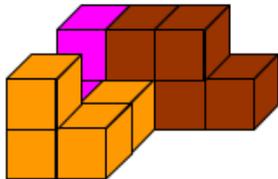
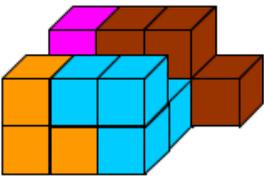
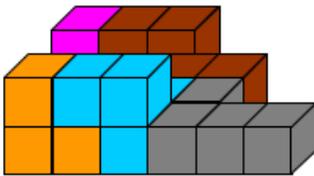
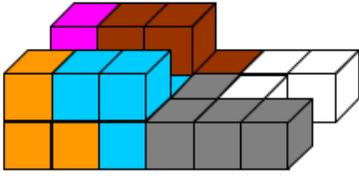
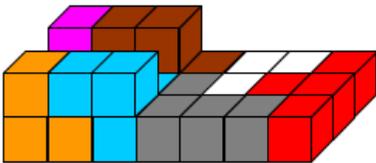
Un sixième solide page 51

<http://numerisation.irem.univ-mrs.fr/LO/ILO96036/ILO96036.pdf>

Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

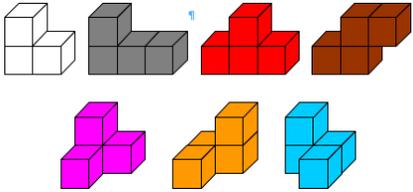
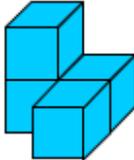
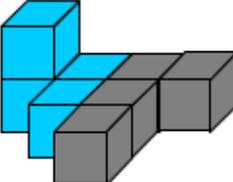
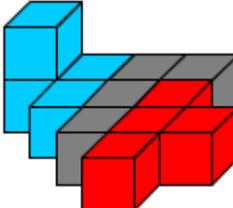
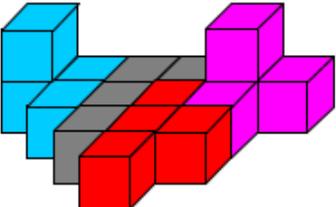
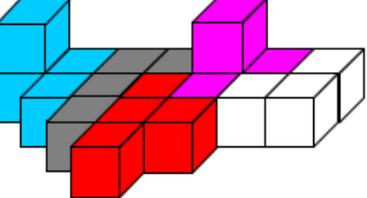
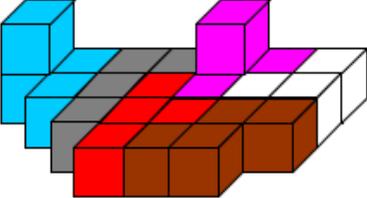
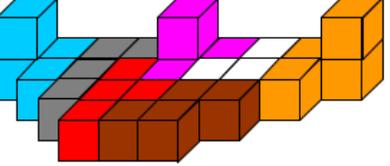
Un septième solide page 51

<http://numerisation.irem.univ-mrs.fr/LO/ILO96036/ILO96036.pdf>

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Étape 4	Étape 5	Étape 6	Étape 7
			

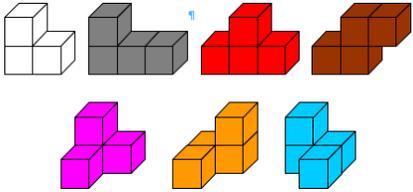
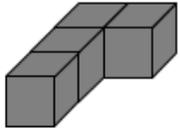
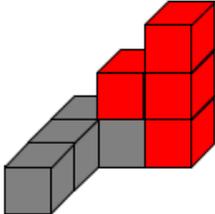
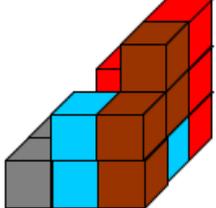
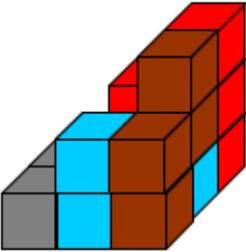
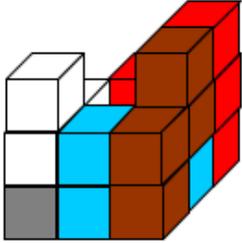
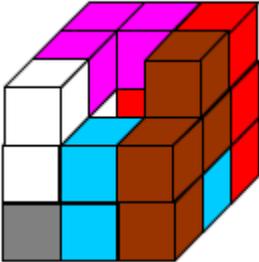
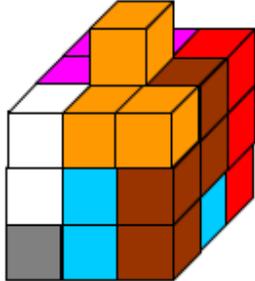
Un premier solide page 52

<http://numerisation.irem.univ-mrs.fr/LO/ILO96036/ILO96036.pdf>

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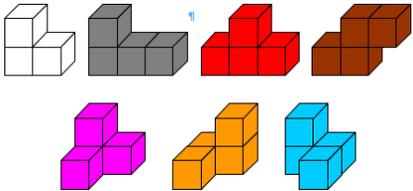
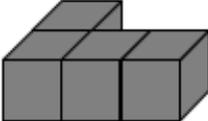
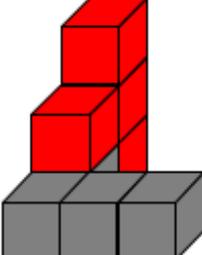
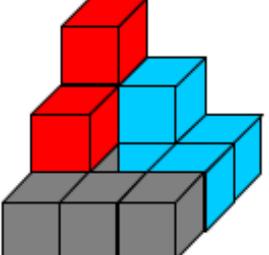
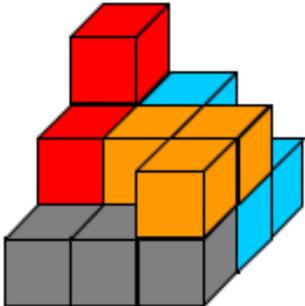
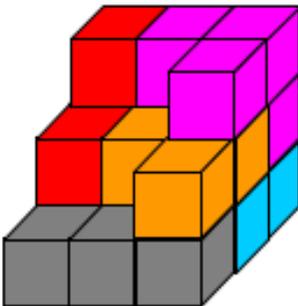
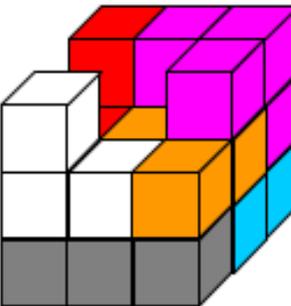
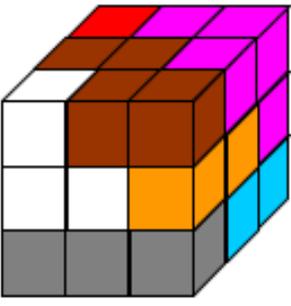
Un deuxième solide page 52

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Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

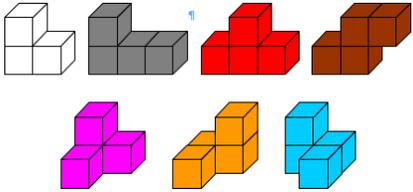
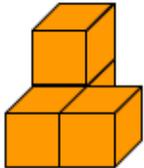
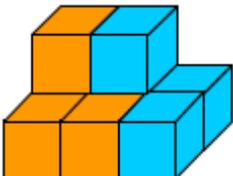
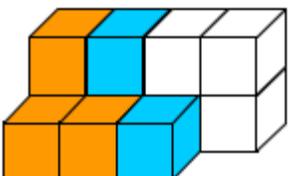
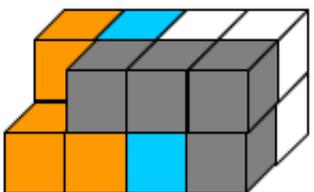
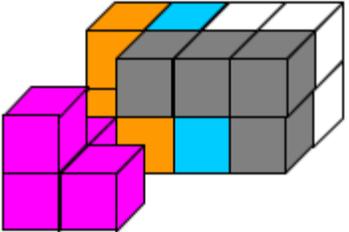
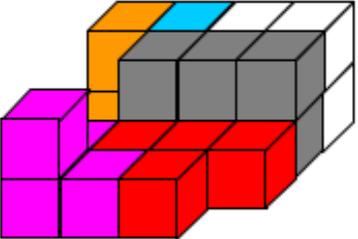
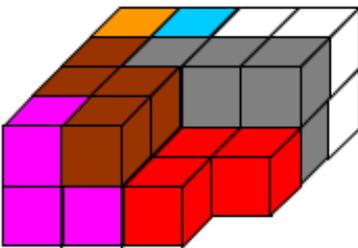
Un troisième solide page 52

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Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

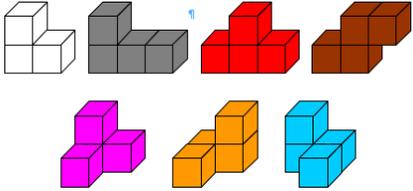
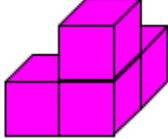
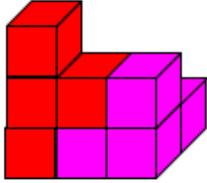
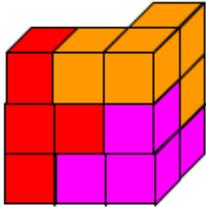
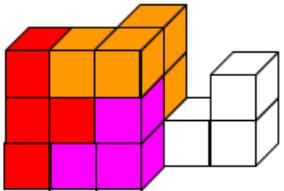
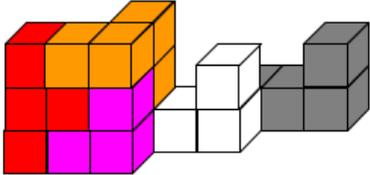
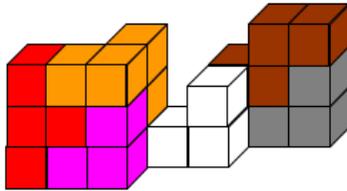
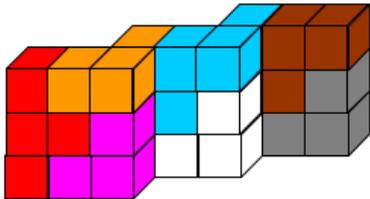
Un quatrième solide page 52

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Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

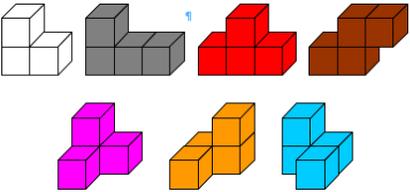
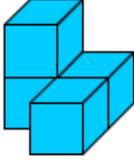
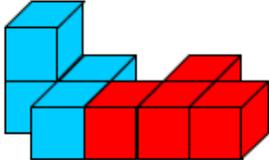
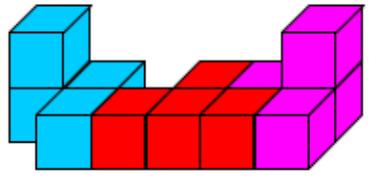
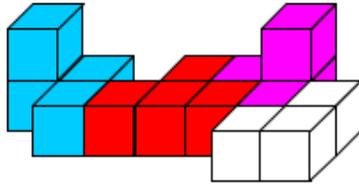
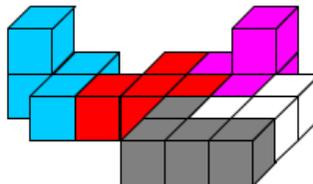
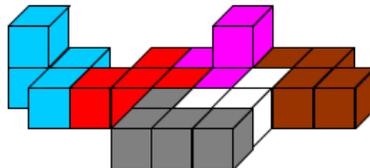
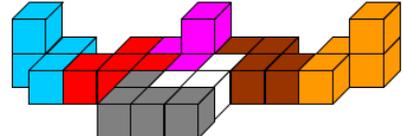
Un cinquième solide page 52

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Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

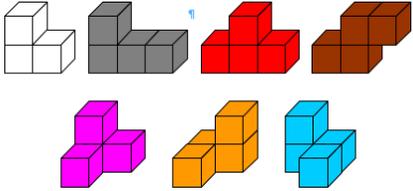
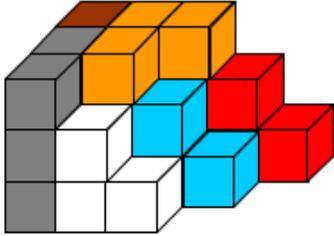
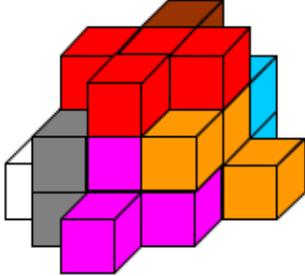
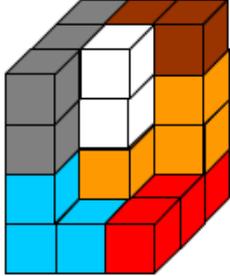
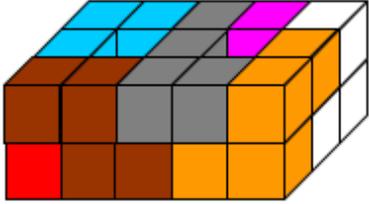
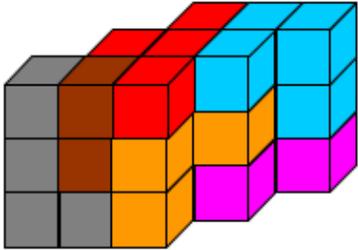
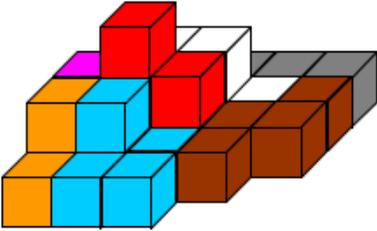
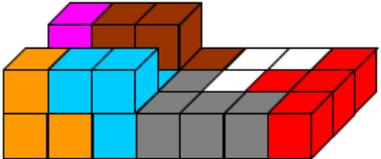
Un sixième solide page 52

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Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

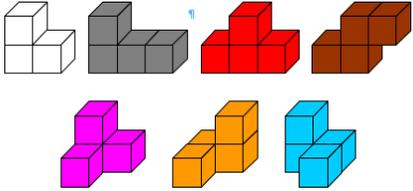
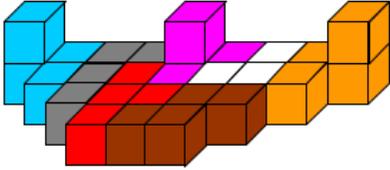
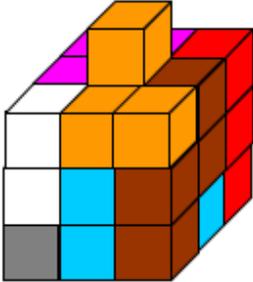
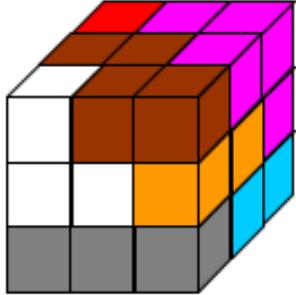
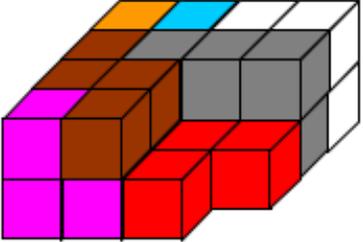
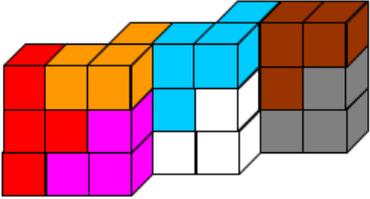
Les sept pièces assemblées

<http://numerisation.irem.univ-mrs.fr/LO/ILO96036/ILO96036.pdf>

<p>Les pièces</p> 	<p>Un premier solide page 51</p> 	<p>Un deuxième solide page 51</p> 	<p>Un troisième solide page 51</p> 
<p>Un quatrième solide page 51</p> 	<p>Un cinquième solide page 51</p> 	<p>Un sixième solide page 51</p> 	<p>Un septième solide page 51</p> 

Les sept pièces assemblées

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<p>Les pièces</p> 	<p>Un premier solide page 52</p> 	<p>Un deuxième solide page 52</p> 	<p>Un troisième solide page 52</p> 
<p>Un quatrième solide page 52</p> 	<p>Un cinquième solide page 52</p> 	<p>Un sixième solide page 52</p> 