



IDEA BOOKLET LIVRET D'IDÉES FOLLETO DE IDEAS

⚠ WARNING:
CHOKING HAZARD — Small parts.
Not for children under 3 years.

⚠ MISE EN GARDE:
RISQUE D'ÉTOUFFEMENT —
Petites pièces. Ne convient pas aux
enfants de moins de 3 ans.



www.popularplaythings.com

⚠ ADVERTENCIA:
PELIGRO DE ASFIXIA — Contiene
piezas pequeñas. No recomendado
para niños menores de 3 años.

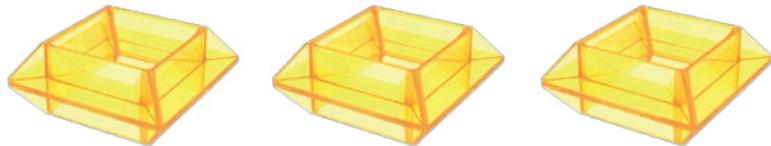
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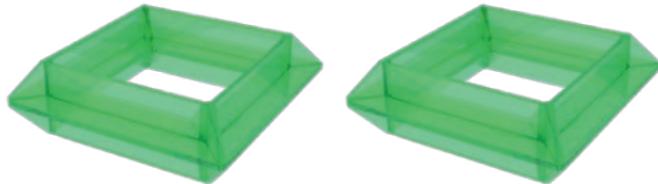
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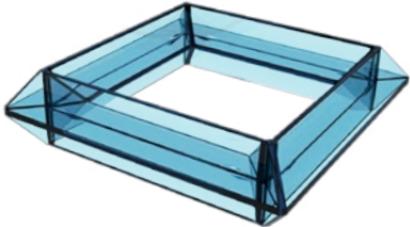
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2



1



1

SAKKARO'S 15 PIECES / PIÈCES / PIEZAS



Welcome to SAKKARO, an exploration in creativity and fun for the entire family. This idea booklet shows over 100 examples of easy to challenging patterns and shapes you can build using SAKKARO's 15 pieces. Try making them all, then create your own.

AGES 3+

1. STACKING: SAKKARO's 15 pieces are based on the geometry of a regular octahedron, which allows for a variety of ways to stack the pieces horizontally, vertically and by interlocking (trapping a piece, or pieces, between two other pieces).
2. NESTING: When a smaller piece, or pieces, can fit inside a larger piece, it's called nesting. Discover all the ways SAKKARO pieces can nest.
3. PATTERN MAKING: It's fun to place SAKKARO pieces side by side on a flat surface and create colorful patterns.

As your skill level grows, more intricate shapes and patterns can be made by combining stacking, nesting and interlocking options.

Each example in this booklet includes a code indicating which SAKKARO pieces are used to make it. HINT: Some examples may have hidden pieces within the construction.

GETTING STARTED: It is helpful to show a young child how to sort the 15 pieces by color and size and stack them from large to small.

CONTENTS: 15 pieces—5 red, 4 orange, 3 yellow, 2 green and 1 dark blue

Bienvenue à SAKKARO, une exploration créative et amusante pour toute la famille. Ce livret d'idées inclus plus de 100 exemples de modèles de facile à difficile et des formes que vous pouvez construire en utilisant les 15 pièces de SAKKARO. Essayez de tous les faire, puis créer votre propre modèle.

AGES 3+

- 1. EMPILEMENT:** Les 15 pièces de SAKKARO sont basées sur la géométrie d'un octaèdre régulier permettant d'empiler de multiples façons les pièces horizontalement, verticalement et par emboîtement (emboîtement d'une pièce, ou de plusieurs pièces, entre deux autres pièces).
- 2. NIDIFICATION:** Quand une pièce plus petite, ou plusieurs pièces, peuvent tenir dans une pièce plus large, cela s'appelle la nidification. Découvrez toutes les possibilités de nidification avec SAKKARO.
- 3. REALISATION DE MODELES:** C'est amusant de placer les pièces SAKKARO côte à côté sur une surface plate et de créer des modèles colorés.

Au fur et à mesure que votre niveau de compétence se développe, des formes et des modèles plus complexes peuvent être réalisés en combinant empilage, nidification et options de verrouillage.

Chaque exemple dans ce livret comprend un code indiquant quelles pièces SAKKARO sont utilisées pour le réaliser. INDICE: Quelques exemples peuvent avoir des pièces cachées dans la construction.

POUR COMMENCER: Il est utile de montrer au jeune enfant comment trier les 15 pièces par couleur et par taille et de les empiler de la plus grande à la plus petite.

CONTENU: 15 pièces—5 rouges, 4 oranges, 3 jaunes, 2 vertes, 1 bleu foncé



Bienvenido a SAKKARO™, una exploración en creatividad y diversión para toda la familia. Este folleto de ideas muestra más de 100 ejemplos de patrones, de fáciles a difíciles, que puedes construir usando las 15 piezas de SAKKARO™. Trata de crearlos todos, ¡y luego crea tus propias formas!

EDADES: 3+

- 1. APILADO:** las 15 piezas de SAKKARO™ están basadas en la geometría de un octaedro regular, que permite una variedad de formas para apilar las piezas horizontal y verticalmente, así como por enclavamiento (atrapar una o varias piezas entre otras dos piezas).
- 2. ANIDADO:** cuando una o más piezas pueden caber dentro de una pieza más grande. Descubre todas las formas en las que las piezas SAKKARO™ se pueden anidar.
- 3. CREACIÓN DE PATRONES:** es muy divertido colocar las piezas SAKKARO™ lado a lado en una superficie plana para crear coloridos patrones.

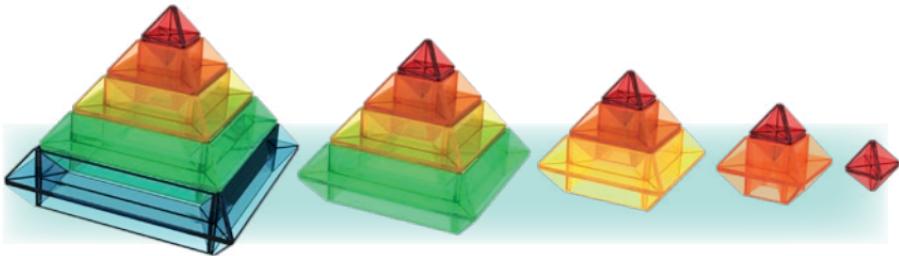
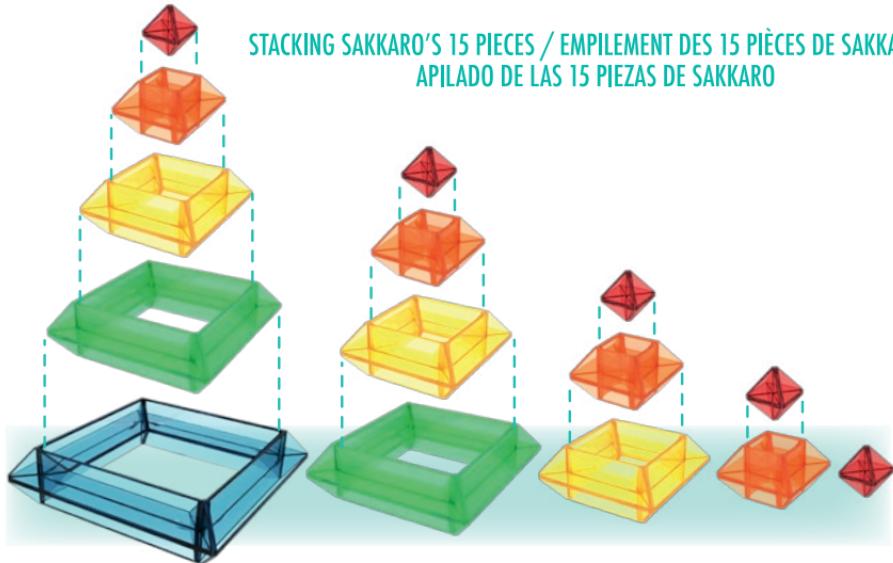
A medida que tu nivel de destreza va creciendo, puedes crear formas y patrones más intrincados combinando las opciones de apilado, anidado y enclavado.

Cada ejemplo en este folleto incluye un código indicando qué piezas SAKKARO™ son usadas para crearlo. PISTA: algunos ejemplos pueden tener piezas ocultas dentro de la construcción.

PARA EMPEZAR: es buena idea mostrarle a un niño pequeño cómo ordenar las 15 piezas por color y tamaño, y apilarlas de grandes a pequeñas.

CONTENIDO: 15 piezas: 5 rojas, 4 naranja, 3 amarillas, 2 verdes y 1 azul oscuro

STACKING SAKKARO'S 15 PIECES / EMPILEMENT DES 15 PIÈCES DE SAKKARO /
APIADO DE LAS 15 PIEZAS DE SAKKARO

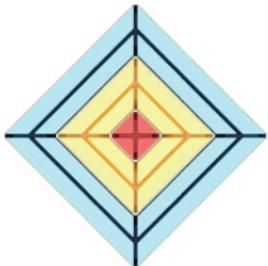




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2 $\blacksquare = 1$ $\blacklozenge = 1$ $\blacklozenge = 1$

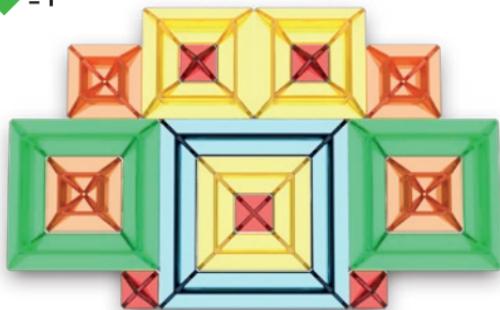


3 $\blacklozenge = 1$ $\blacksquare = 1$ $\blacklozenge = 1$



4 $\blacklozenge = 5$ $\blacksquare = 4$ $\blacksquare = 3$ $\blacklozenge = 2$ $\blacklozenge = 1$

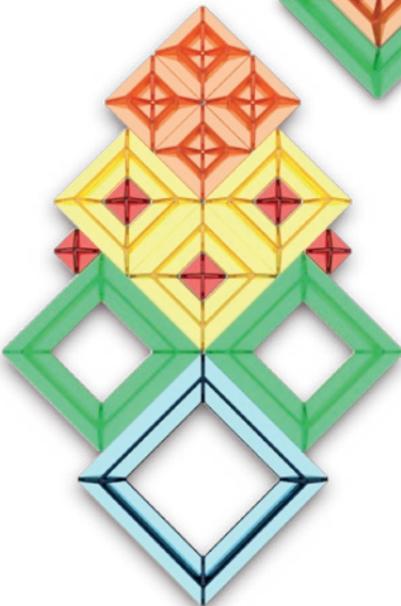
$\blacksquare = 1$ $\blacklozenge = 1$



5 $\blacklozenge = 5$ $\blacksquare = 4$ $\blacksquare = 3$ $\blacklozenge = 2$ $\blacklozenge = 1$

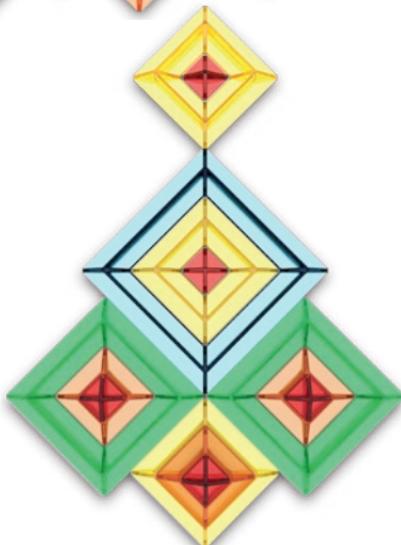
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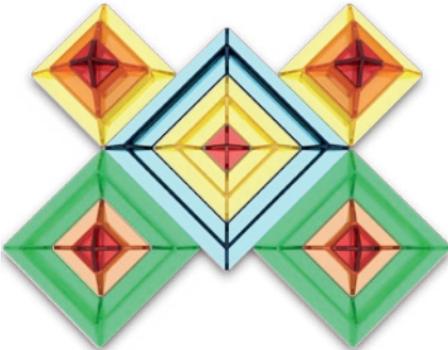
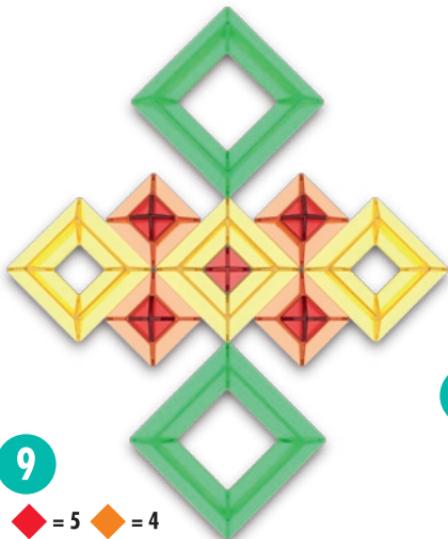


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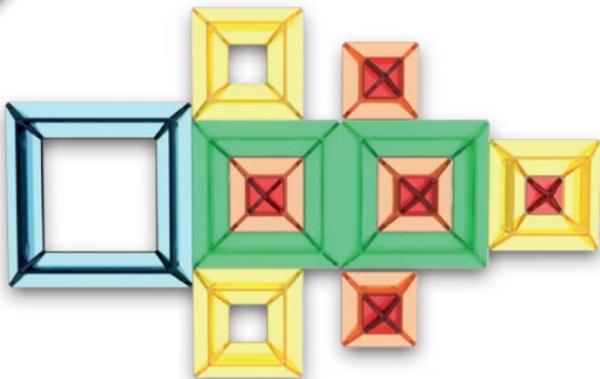


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10

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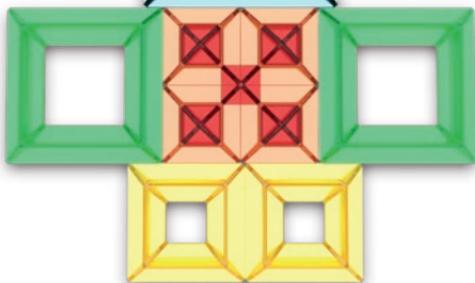
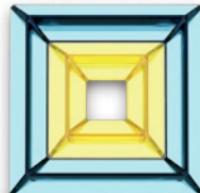
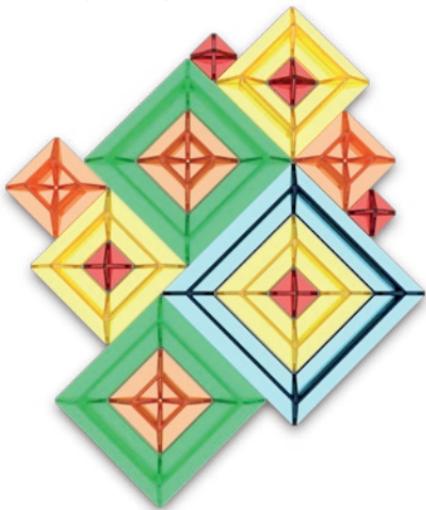


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◆ = 5 □ = 4 ◆ = 3 □ = 2 ◆ = 1

12

◆ = 5 □ = 4 ▲ = 3
◆ = 2 △ = 1

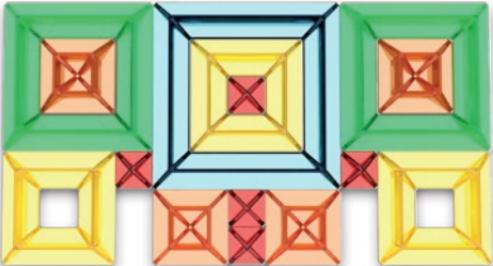


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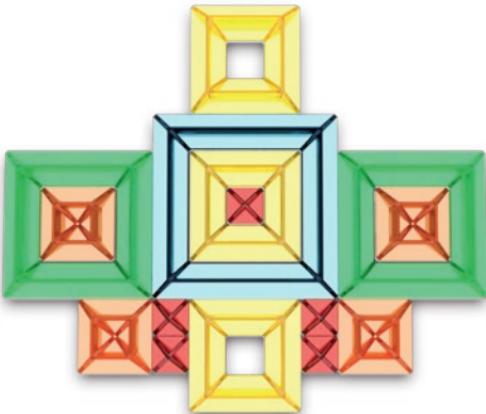
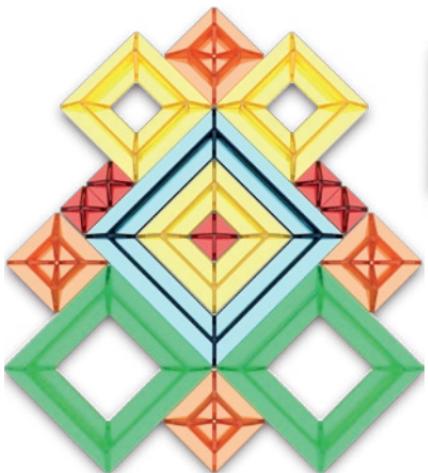
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◆ = 5 □ = 4
▲ = 3 ◆ = 2
△ = 1



15

$$\begin{array}{l} \text{◆} = 5 \\ \text{◆} = 4 \\ \text{◆} = 3 \\ \text{◆} = 2 \\ \text{◆} = 1 \end{array}$$

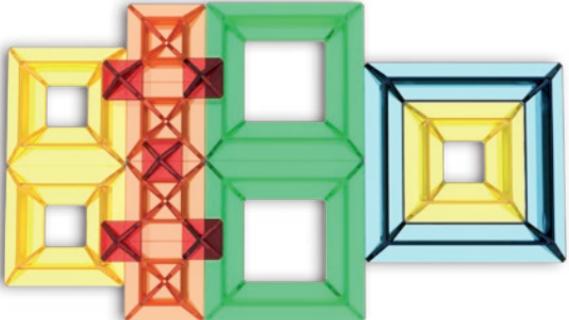


16

$$\begin{array}{l} \text{◆} = 5 \\ \text{◆} = 4 \\ \text{◆} = 3 \\ \text{◆} = 2 \\ \text{◆} = 1 \end{array}$$

17

$$\begin{array}{l} \text{◆} = 5 \\ \text{◆} = 4 \\ \text{◆} = 3 \\ \text{◆} = 2 \\ \text{◆} = 1 \end{array}$$



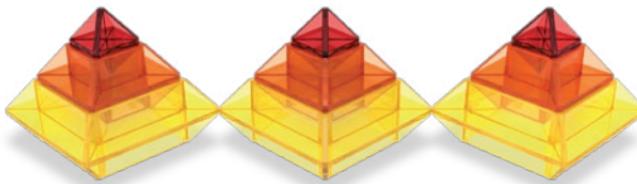
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19

$$\blacklozenge = 4 \quad \blacksquare = 4$$

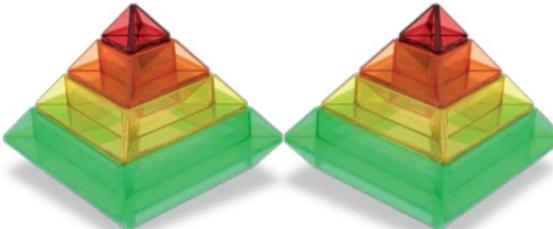


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$$\blacklozenge = 3 \quad \blacksquare = 3 \quad \blacktriangle = 3$$

20

$$\blacklozenge = 4 \quad \blacksquare = 4$$

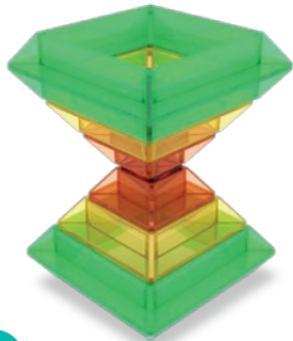


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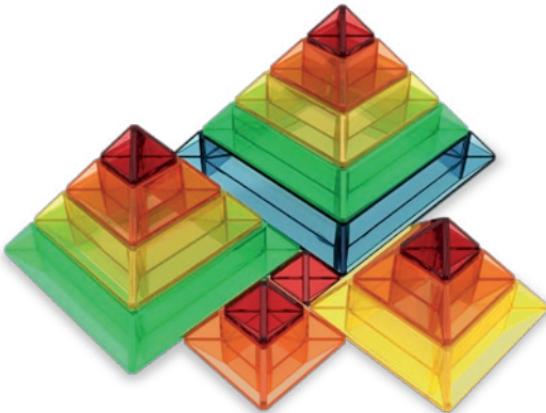
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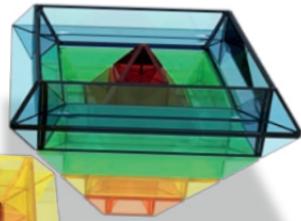
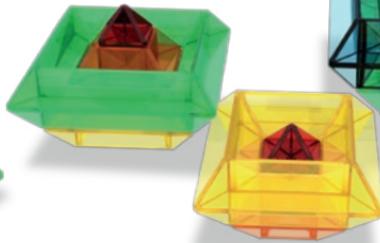
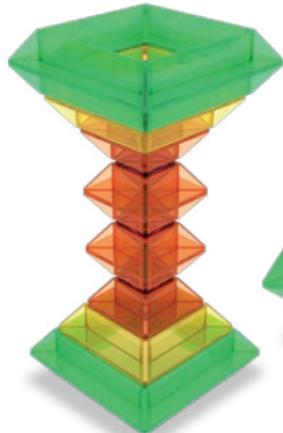
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$$\text{◆} = 2 \quad \text{◆} = 2 \quad \text{◆} = 2 \quad \text{◆} = 2$$



25

$$\text{◆} = 5 \quad \text{◆} = 4 \quad \text{◆} = 3 \quad \text{◆} = 2 \quad \text{◆} = 1$$



26

$$\text{◆} = 4 \quad \text{◆} = 4 \quad \text{◆} = 2 \quad \text{◆} = 2$$

27

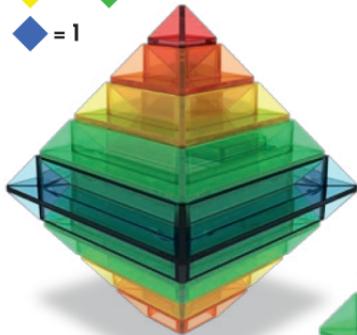
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28

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$$\text{Yellow Diamond} = 3 \quad \text{Green Diamond} = 2$$

$$\text{Blue Diamond} = 1$$

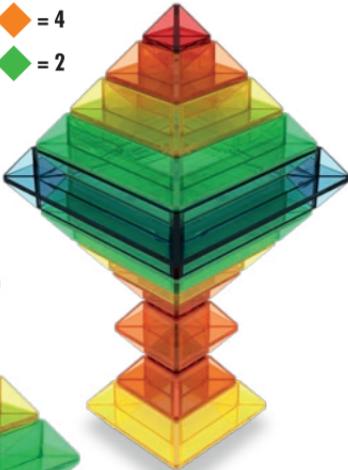
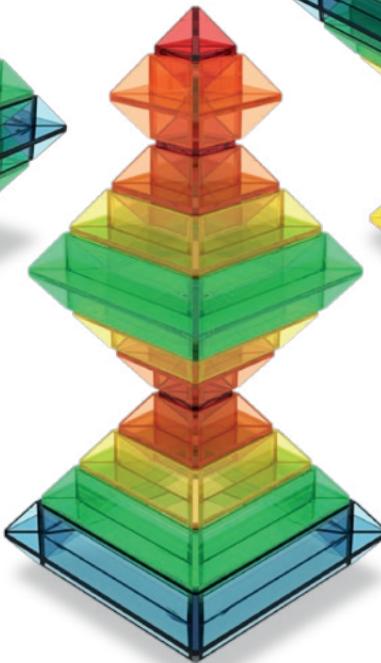


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$$\text{Red Diamond} = 4 \quad \text{Orange Diamond} = 4$$

$$\text{Yellow Diamond} = 3 \quad \text{Green Diamond} = 2$$

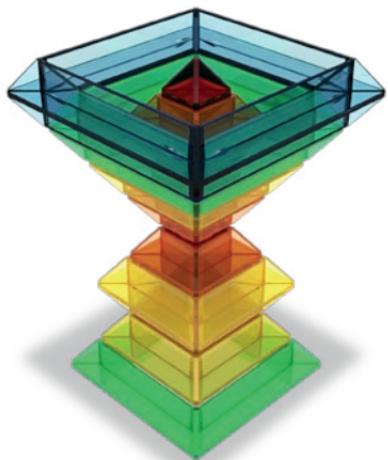
$$\text{Blue Diamond} = 1$$



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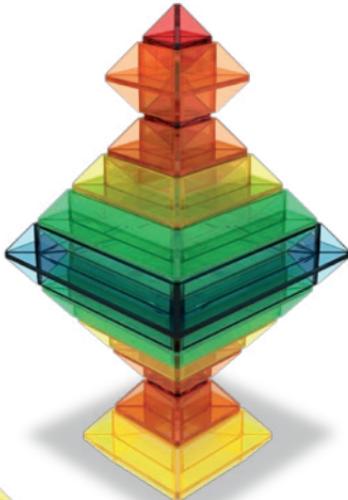
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$$\text{Red Diamond} = 4 \quad \text{Orange Diamond} = 4 \quad \text{Yellow Diamond} = 3 \quad \text{Green Diamond} = 2 \quad \text{Blue Diamond} = 1$$



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◆ = 4 □ = 4
◆ = 3 □ = 2
◆ = 1



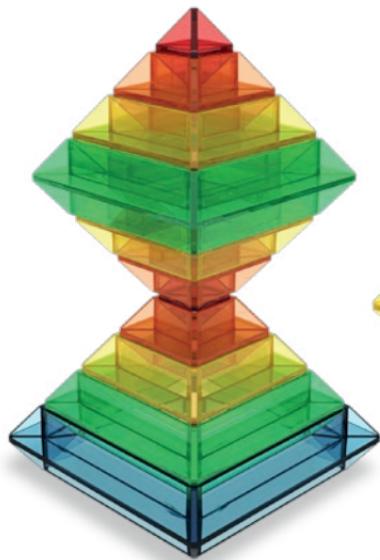
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◆ = 4 □ = 4
◆ = 3 □ = 2
◆ = 1



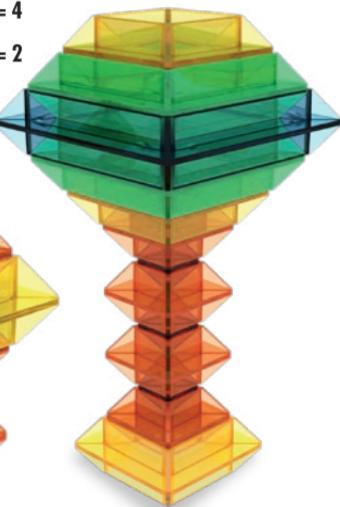
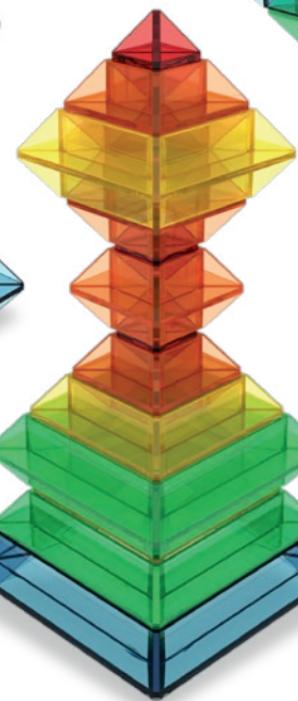
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◆ = 4 □ = 4 ◆ = 3 □ = 2 ◆ = 1



35

- ◆ = 4 ◇ = 4
- ◆ = 3 ◇ = 2
- ◆ = 1



34

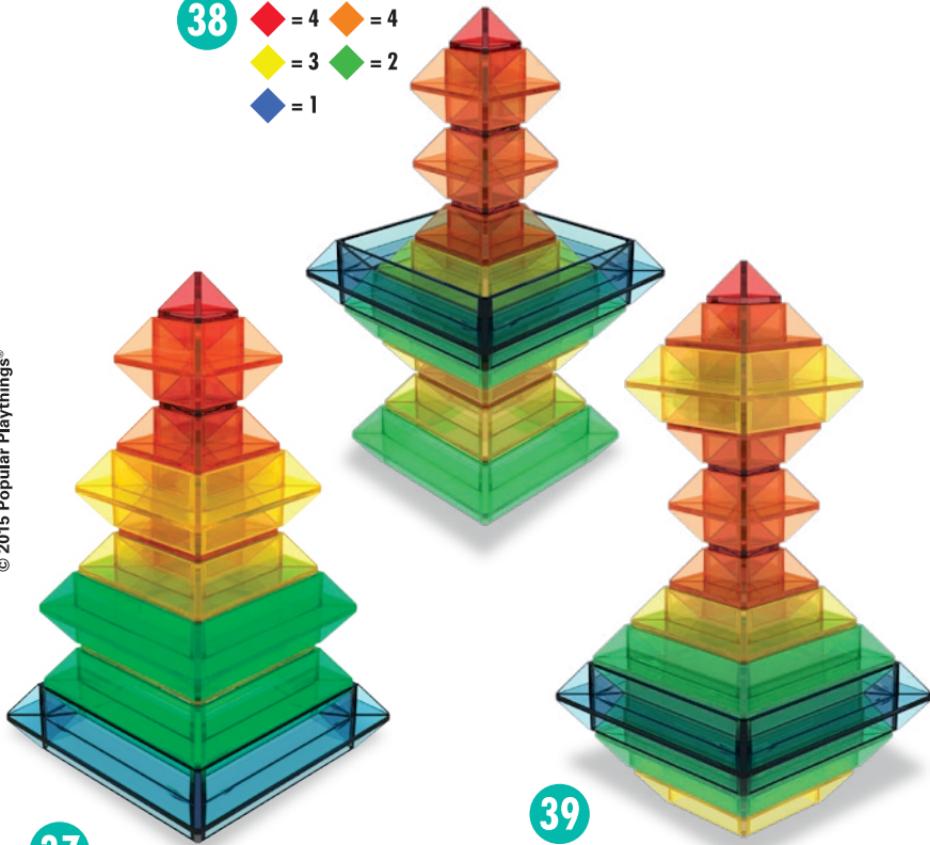
- ◆ = 4 ◇ = 4
- ◆ = 3 ◇ = 2
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◆ = 4 ◇ = 4 ◆ = 3 ◇ = 2 ◆ = 1

15

38

◆ = 4 □ = 4
◆ = 3 □ = 2
◆ = 1



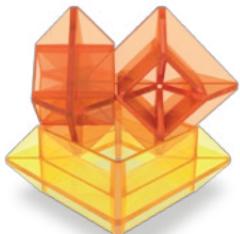
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◆ = 4 □ = 4 ◆ = 3 □ = 2 ◆ = 1

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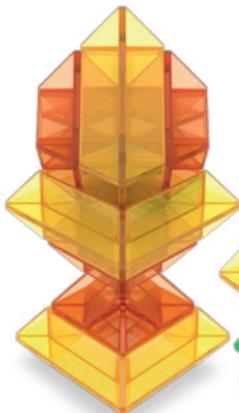
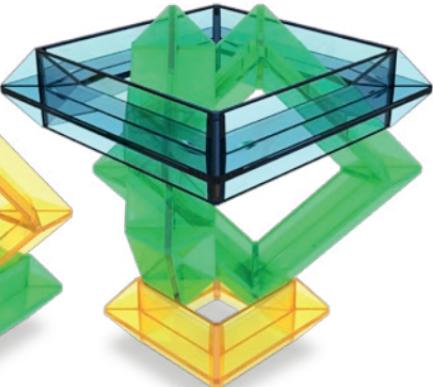
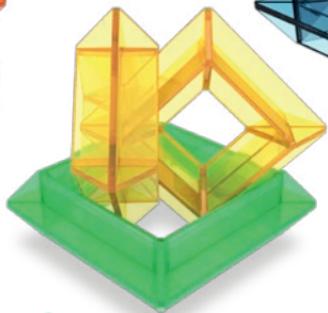
◆ = 4 □ = 4
◆ = 3 □ = 2 ◆ = 1

16



40

$$\diamond = 2 \quad \lozenge = 1$$



41

$$\lozenge = 2 \quad \blacklozenge = 1$$

42

$$\lozenge = 1 \quad \blacklozenge = 2 \quad \blacksquare = 1$$

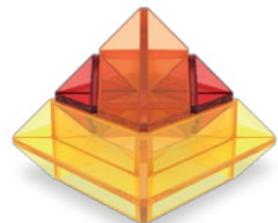


43

$$\diamond = 4 \quad \lozenge = 3$$

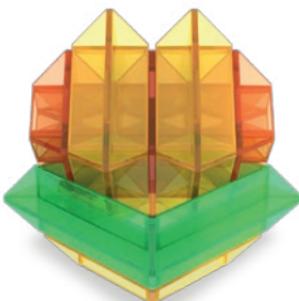
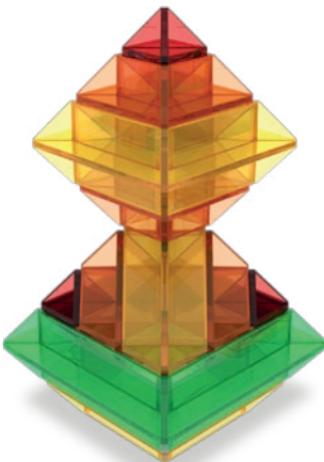
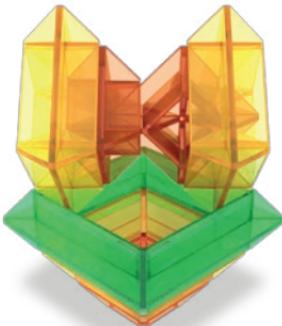
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$$\diamond = 2 \quad \lozenge = 3 \quad \blacklozenge = 2$$

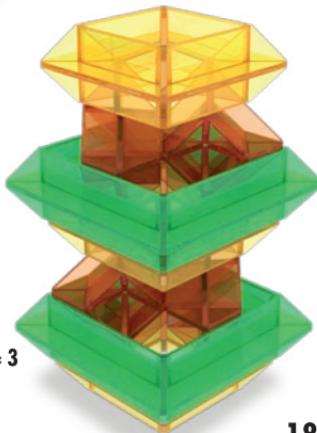


45 = 2 = 1 = 1

46 = 3 = 3
 = 1



47 = 2 = 3
 = 3 = 1

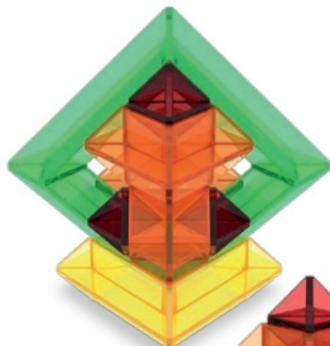


48 = 4 = 4
 = 3 = 1

49 = 4 = 3
 = 2

50

$$\diamond = 3 \quad \diamond = 3 \quad \diamond = 1 \quad \diamond = 1$$



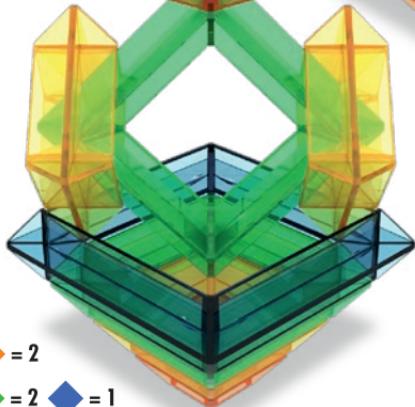
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$$\diamond = 2 \quad \diamond = 3 \\ \diamond = 3 \quad \diamond = 2 \\ \diamond = 1$$



52

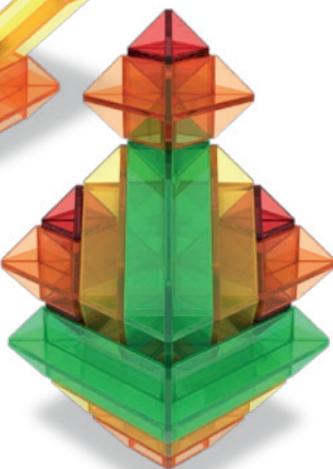
$$\diamond = 1 \quad \diamond = 2 \\ \diamond = 3 \quad \diamond = 2 \quad \diamond = 1$$

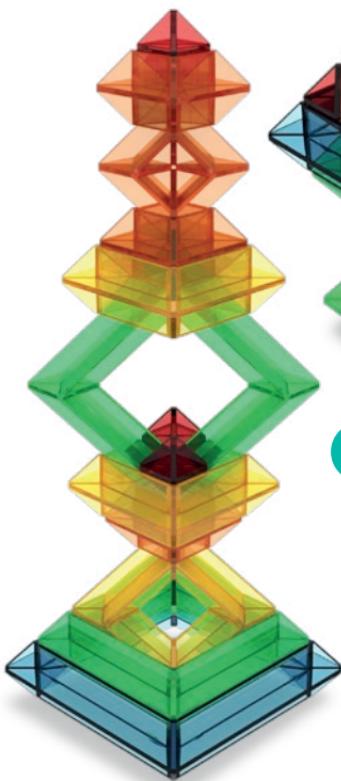


19

53

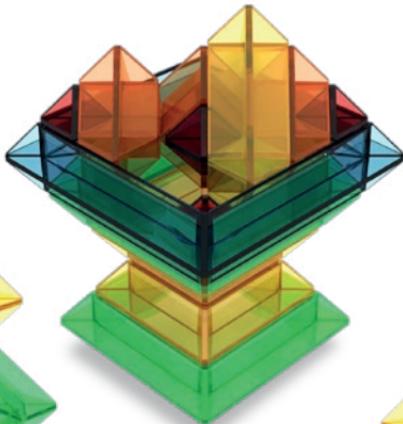
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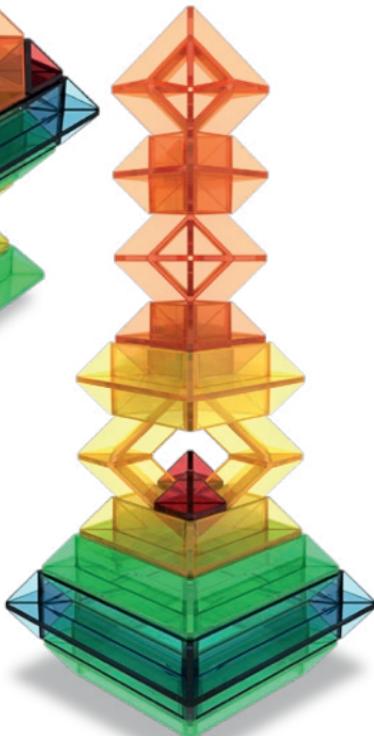
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◆ = 3 □ = 4 ▲ = 3
▢ = 2 △ = 1



55

◆ = 5 □ = 4
▲ = 3 ▢ = 2
△ = 1



56

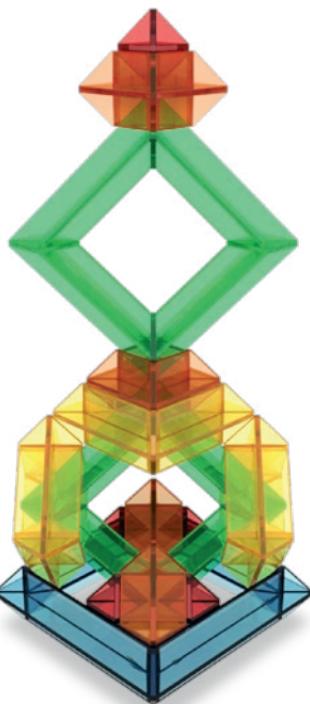
◆ = 2 □ = 4 ▲ = 3
▢ = 2 △ = 1

20



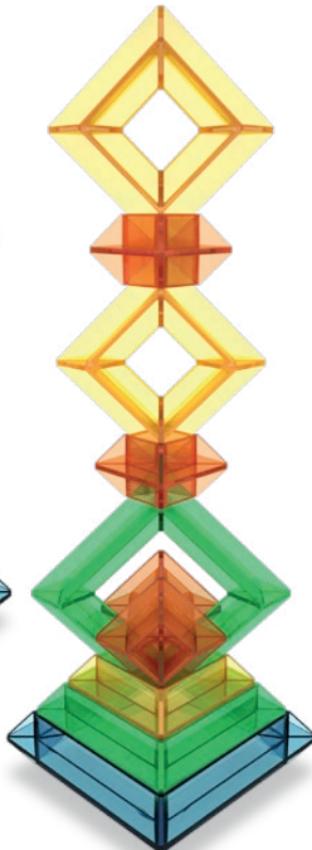
21
57

$$\begin{array}{l} \textcolor{red}{\diamond} = 1 \\ \textcolor{orange}{\diamond} = 4 \\ \textcolor{yellow}{\diamond} = 3 \end{array}$$



58

$$\begin{array}{ll} \textcolor{red}{\diamond} = 5 & \textcolor{orange}{\diamond} = 4 \\ \textcolor{yellow}{\diamond} = 3 & \textcolor{green}{\diamond} = 2 \\ \textcolor{blue}{\diamond} = 1 & \end{array}$$

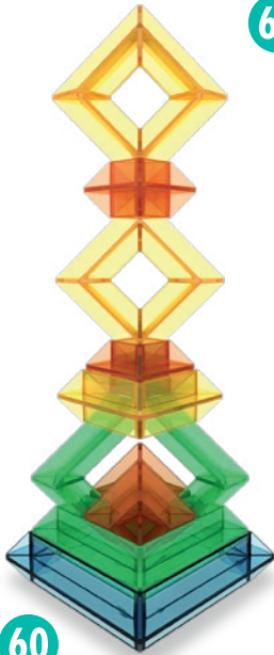


59

$$\begin{array}{l} \textcolor{orange}{\diamond} = 4 \\ \textcolor{yellow}{\diamond} = 3 \\ \textcolor{green}{\diamond} = 2 \\ \textcolor{blue}{\diamond} = 1 \end{array}$$

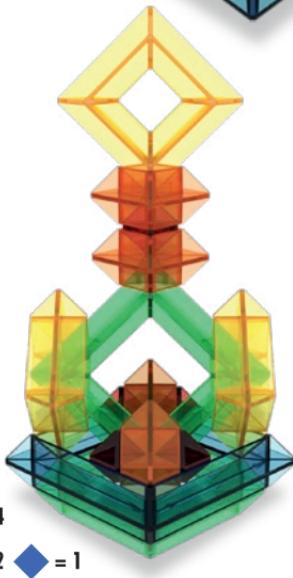
60

$$\begin{array}{ll}\text{◆} = 3 & \text{◆} = 4 \\ \text{◆} = 3 & \text{◆} = 2 \\ \text{◆} = 1 & \end{array}$$



61

$$\begin{array}{ll}\text{◆} = 4 & \\ \text{◆} = 4 & \\ \text{◆} = 3 & \\ \text{◆} = 2 & \\ \text{◆} = 1 & \end{array}$$



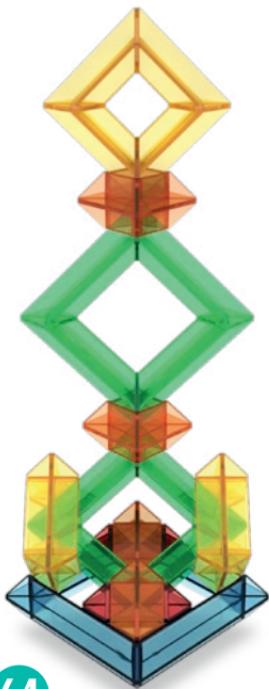
62

$$\begin{array}{ll}\text{◆} = 5 & \text{◆} = 4 \\ \text{◆} = 3 & \text{◆} = 2 \\ \text{◆} = 1 & \end{array}$$



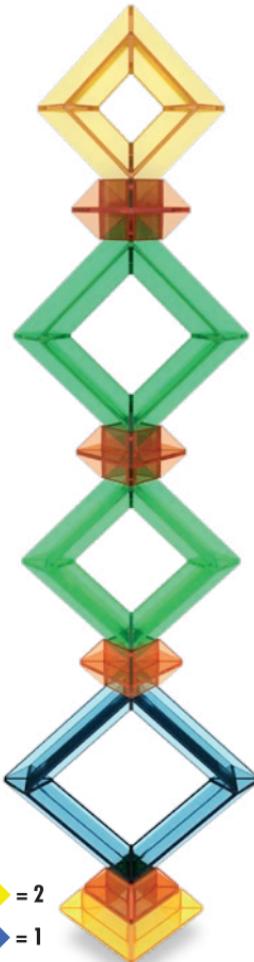
63

$$\begin{array}{ll}\text{◆} = 4 & \text{◆} = 4 \\ \text{◆} = 3 & \text{◆} = 2 \\ \text{◆} = 1 & \end{array}$$



64

$$\begin{array}{ll}\textcolor{red}{\diamond} = 4 & \textcolor{orange}{\diamond} = 4 \\ \textcolor{yellow}{\diamond} = 3 & \textcolor{green}{\diamond} = 2 \\ \textcolor{blue}{\diamond} = 1 & \end{array}$$



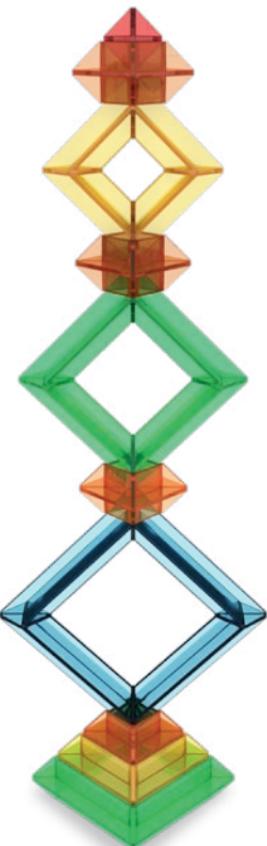
23

65

$$\begin{array}{ll}\textcolor{orange}{\diamond} = 4 & \textcolor{yellow}{\diamond} = 2 \\ \textcolor{green}{\diamond} = 2 & \textcolor{blue}{\diamond} = 1 \end{array}$$

66

$$\begin{array}{ll}\textcolor{red}{\diamond} = 1 & \textcolor{orange}{\diamond} = 4 \\ \textcolor{green}{\diamond} = 2 & \textcolor{blue}{\diamond} = 1 \end{array}$$



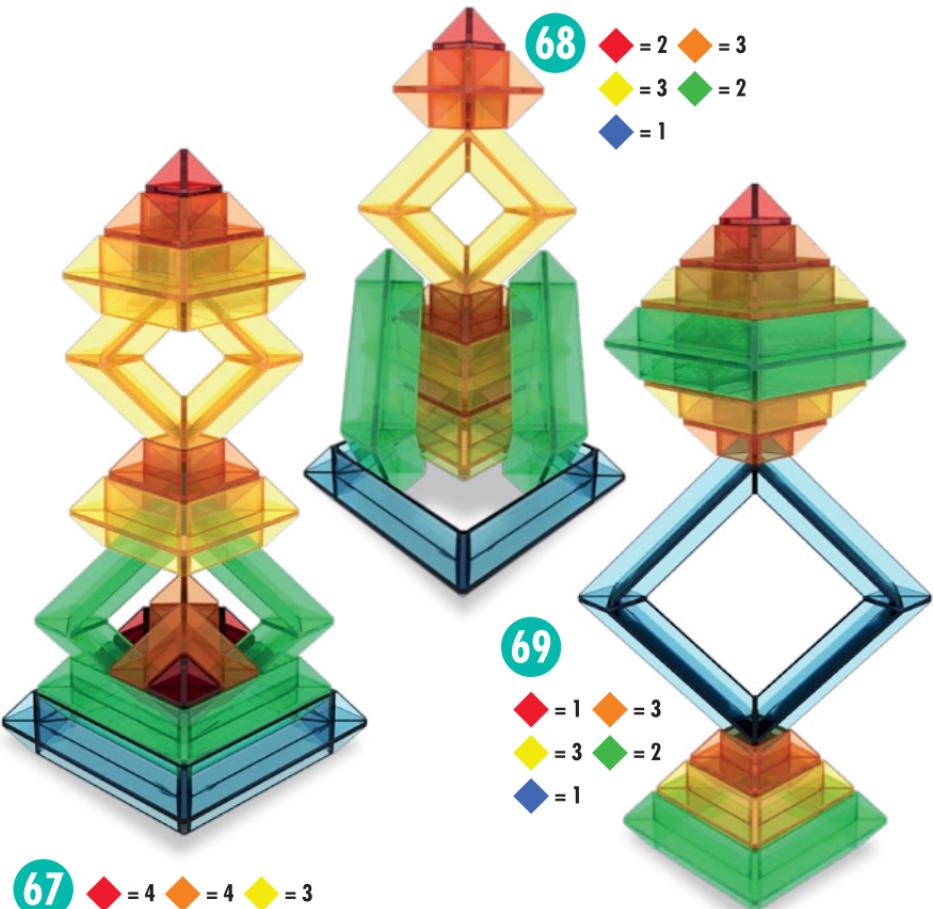


67

$$\begin{array}{lll} \textcolor{red}{\diamond} = 4 & \textcolor{orange}{\diamond} = 4 & \textcolor{yellow}{\diamond} = 3 \\ \textcolor{green}{\diamond} = 2 & \textcolor{blue}{\diamond} = 1 & \end{array}$$

68

$$\begin{array}{ll} \textcolor{red}{\diamond} = 2 & \textcolor{orange}{\diamond} = 3 \\ \textcolor{yellow}{\diamond} = 3 & \textcolor{green}{\diamond} = 2 \\ \textcolor{blue}{\diamond} = 1 & \end{array}$$



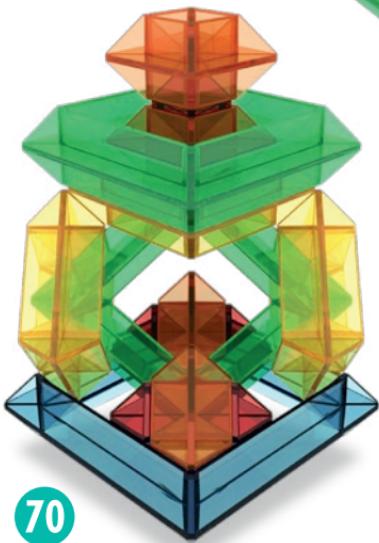
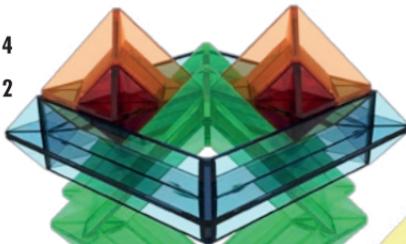
69

$$\begin{array}{ll} \textcolor{red}{\diamond} = 1 & \textcolor{orange}{\diamond} = 3 \\ \textcolor{yellow}{\diamond} = 3 & \textcolor{green}{\diamond} = 2 \\ \textcolor{blue}{\diamond} = 1 & \end{array}$$

24

71

◆ = 5 □ = 4
◆ = 3 △ = 2
◆ = 1



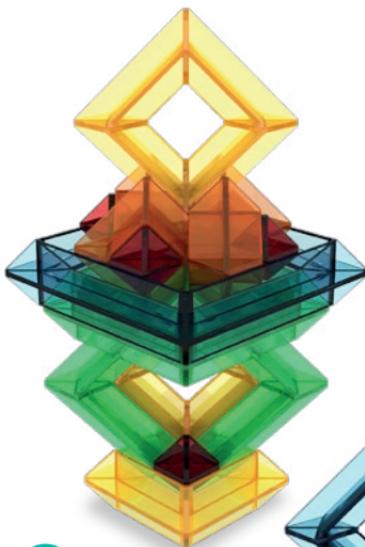
70

◆ = 5 □ = 4 ◆ = 3
◆ = 2 ◆ = 1



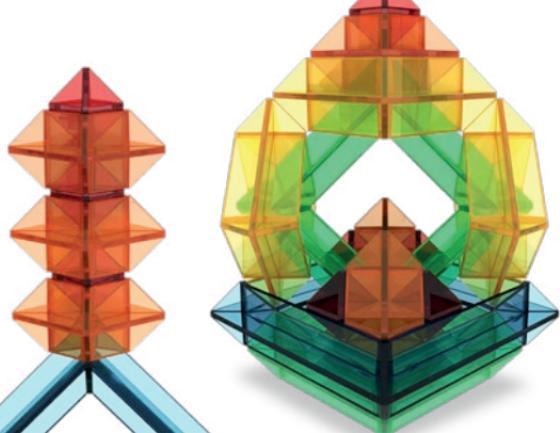
72

◆ = 4 □ = 4 ◆ = 3
◆ = 2 ◆ = 1



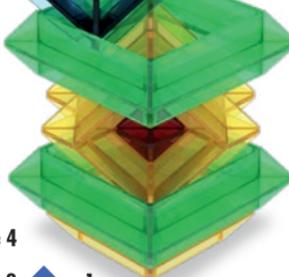
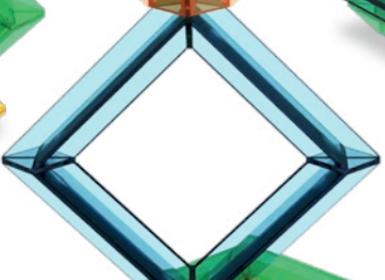
73

- ◆ = 5 □ = 4
- ◆ = 3 □ = 2
- ◆ = 1



74

- ◆ = 5 □ = 3
- ◆ = 3 □ = 2
- ◆ = 1



75

- ◆ = 3 □ = 4
- ◆ = 3 □ = 2 ◆ = 1

26



76

$$\text{Red} = 4 \quad \text{Orange} = 4$$

$$\text{Yellow} = 3 \quad \text{Green} = 2$$

$$\text{Blue} = 1$$



77

$$\text{Red} = 4 \quad \text{Orange} = 4$$

$$\text{Yellow} = 3 \quad \text{Green} = 2$$

$$\text{Blue} = 1$$



78

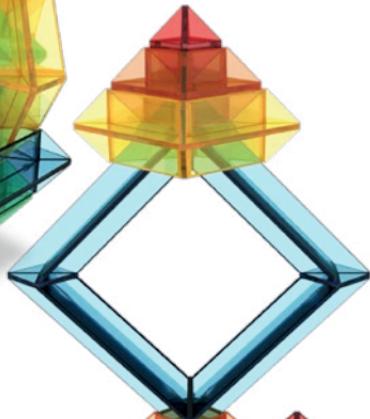
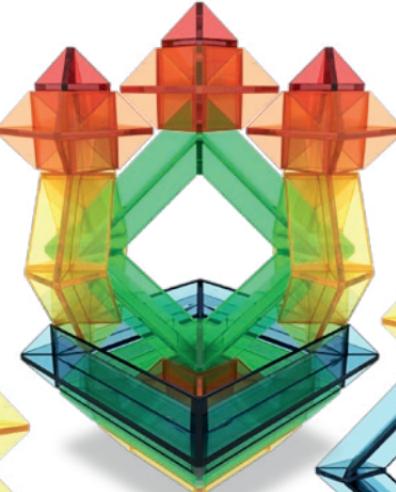
$$\text{Red} = 2 \quad \text{Orange} = 4$$

$$\text{Yellow} = 3 \quad \text{Green} = 2 \quad \text{Blue} = 1$$

27

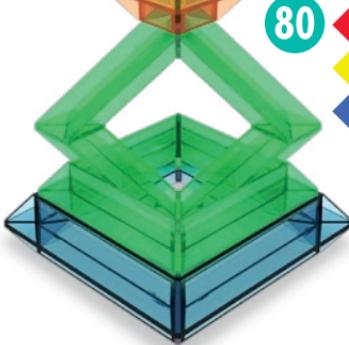
79

- ◆ = 3 ◇ = 4
- ◆ = 3 ◇ = 2
- ◆ = 1



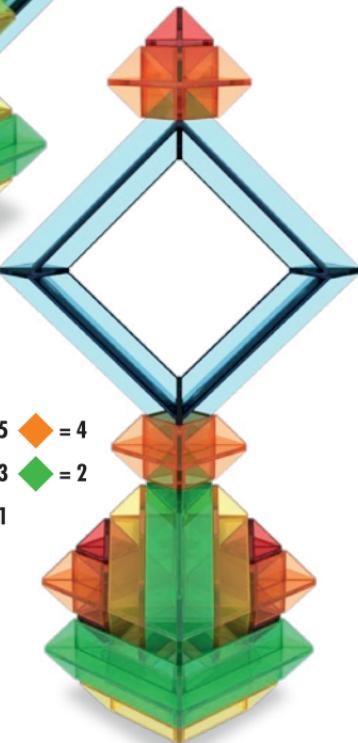
80

- ◆ = 4 ◇ = 4
- ◆ = 3 ◇ = 2
- ◆ = 1



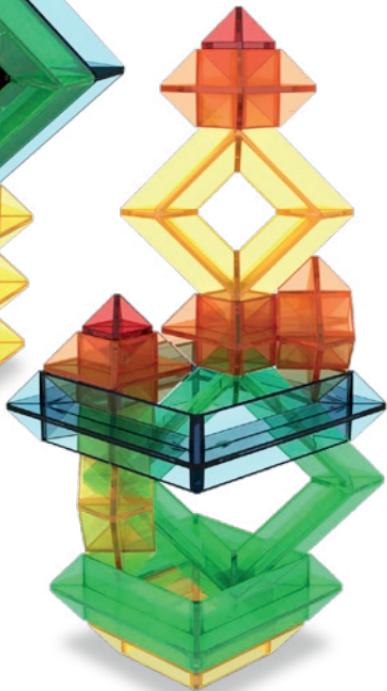
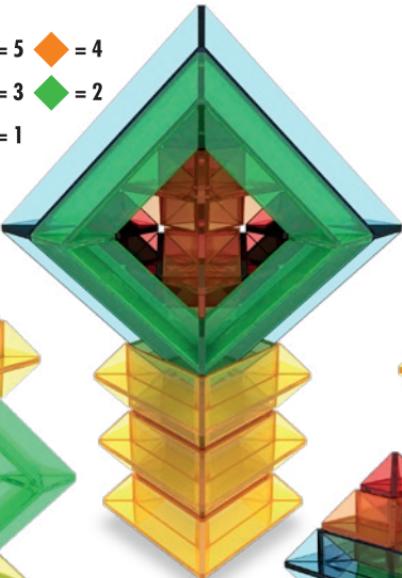
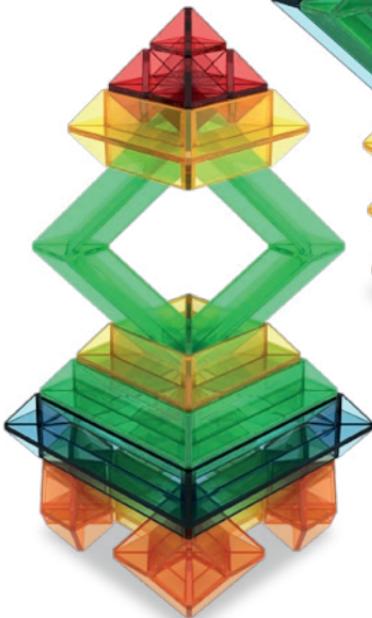
81

- ◆ = 2 ◇ = 3
- ◆ = 3 ◇ = 2 ◆ = 1



86

- ◆ = 5 □ = 4
- ◆ = 3 □ = 2
- ◆ = 1



85

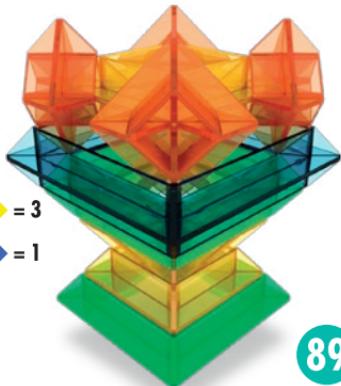
- ◆ = 5 □ = 4 ◆ = 3
- ◆ = 2 □ = 1

87

- ◆ = 2 □ = 4 ◆ = 3
- ◆ = 2 □ = 1

88

$$\begin{array}{l} \text{Orange} = 4 \\ \text{Yellow} = 3 \\ \text{Green} = 2 \\ \text{Blue} = 1 \end{array}$$



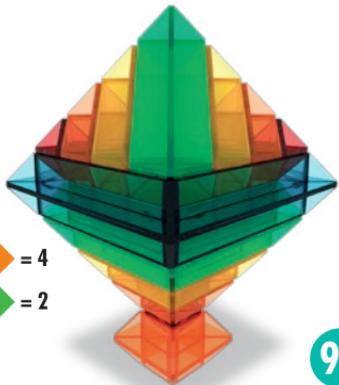
89

$$\begin{array}{l} \text{Red} = 3 \\ \text{Orange} = 3 \\ \text{Yellow} = 3 \\ \text{Green} = 2 \\ \text{Blue} = 1 \end{array}$$



90

$$\begin{array}{l} \text{Red} = 3 \\ \text{Orange} = 4 \\ \text{Yellow} = 3 \\ \text{Green} = 2 \\ \text{Blue} = 1 \end{array}$$



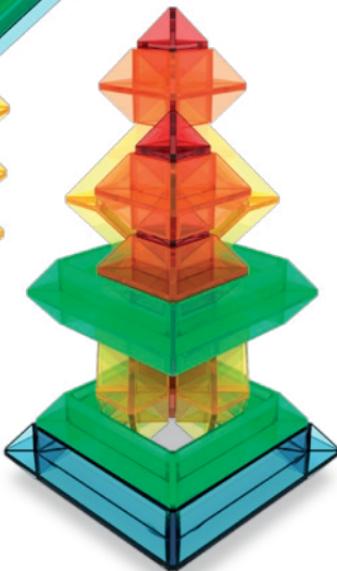
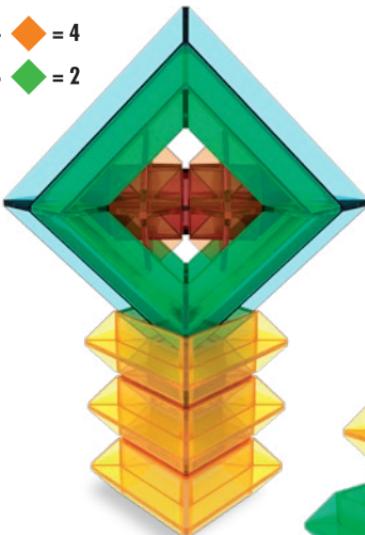
91

$$\begin{array}{l} \text{Red} = 1 \\ \text{Orange} = 3 \\ \text{Yellow} = 3 \\ \text{Green} = 2 \\ \text{Blue} = 1 \end{array}$$



93

- ◆ = 4 ◊ = 4
- ◆ = 3 ◇ = 2
- ◆ = 1

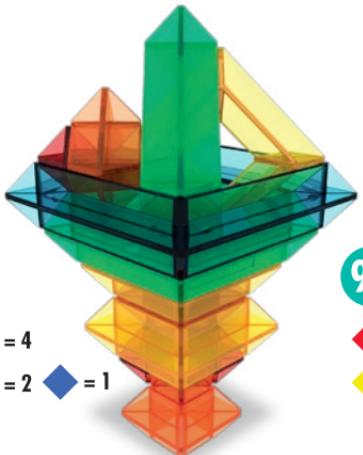


92

- ◆ = 4 ◊ = 4 ◆ = 3
- ◆ = 2 ◇ = 2 ◆ = 1

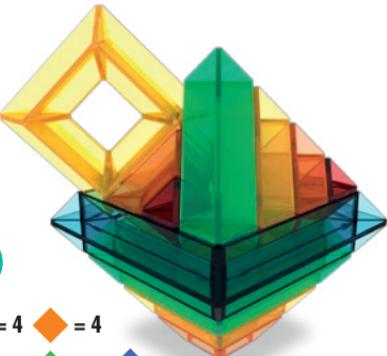
94

- ◆ = 3 ◊ = 4 ◆ = 3
- ◆ = 2 ◇ = 2 ◆ = 1



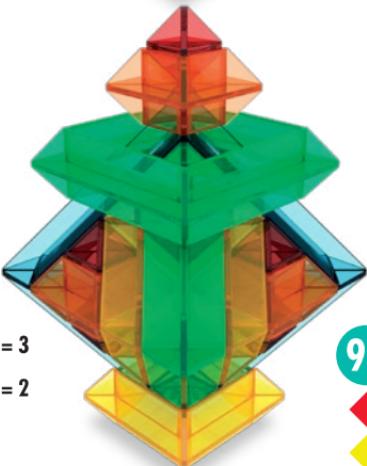
95

$$\begin{array}{ll} \textcolor{red}{\diamond} = 3 & \textcolor{orange}{\diamond} = 4 \\ \textcolor{yellow}{\diamond} = 3 & \textcolor{green}{\diamond} = 2 \\ & \textcolor{blue}{\diamond} = 1 \end{array}$$



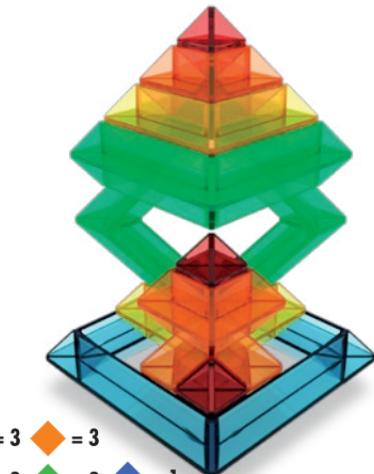
96

$$\begin{array}{ll} \textcolor{red}{\diamond} = 4 & \textcolor{orange}{\diamond} = 4 \\ \textcolor{yellow}{\diamond} = 3 & \textcolor{green}{\diamond} = 2 \\ & \textcolor{blue}{\diamond} = 1 \end{array}$$



97

$$\begin{array}{ll} \textcolor{red}{\diamond} = 5 & \textcolor{orange}{\diamond} = 3 \\ \textcolor{yellow}{\diamond} = 3 & \textcolor{green}{\diamond} = 2 \\ & \textcolor{blue}{\diamond} = 1 \end{array}$$



98

$$\begin{array}{ll} \textcolor{red}{\diamond} = 3 & \textcolor{orange}{\diamond} = 3 \\ \textcolor{yellow}{\diamond} = 2 & \textcolor{green}{\diamond} = 2 \\ & \textcolor{blue}{\diamond} = 1 \end{array}$$



99

◆ = 5 ◇ = 4
◆ = 2 ◇ = 2 ◆ = 1



100

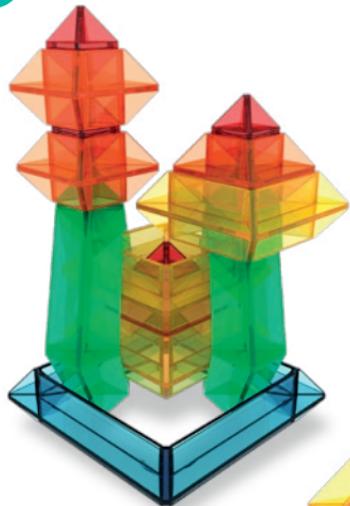
◆ = 4 ◇ = 4
◆ = 3 ◇ = 2 ◆ = 1



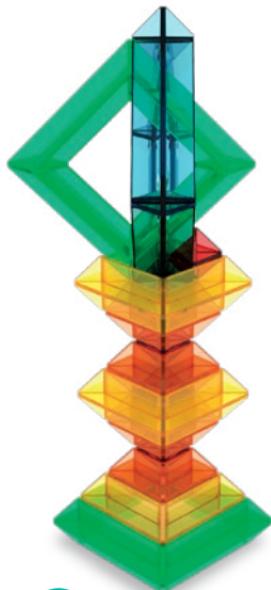
101

◆ = 3 ◇ = 4
◆ = 3 ◇ = 2 ◆ = 1

102



◆ = 4 □ = 4 ▲ = 3 ▲ = 2 ◇ = 1



103

◆ = 4 □ = 4
▲ = 3 ▲ = 2
◇ = 1

104

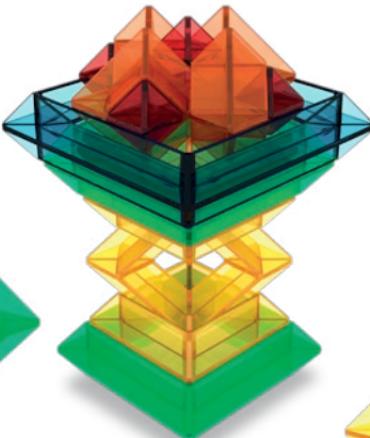
◆ = 4 □ = 4 ▲ = 3
▲ = 2 ◇ = 1





105

$$\begin{array}{ll} \textcolor{red}{\diamond} = 4 & \textcolor{orange}{\diamond} = 4 \\ \textcolor{yellow}{\diamond} = 3 & \textcolor{green}{\diamond} = 2 \\ & \textcolor{blue}{\diamond} = 1 \end{array}$$



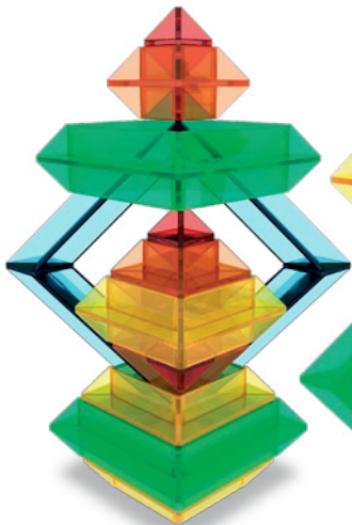
106

$$\begin{array}{ll} \textcolor{red}{\diamond} = 5 & \textcolor{orange}{\diamond} = 4 \\ \textcolor{yellow}{\diamond} = 3 & \textcolor{green}{\diamond} = 2 \\ \textcolor{blue}{\diamond} = 1 & \end{array}$$



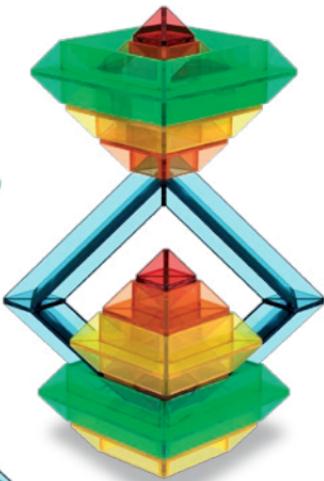
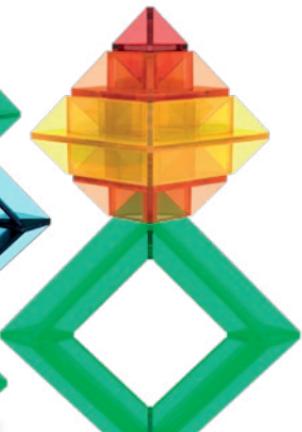
107

$$\begin{array}{lll} \textcolor{red}{\diamond} = 5 & \textcolor{orange}{\diamond} = 4 & \textcolor{yellow}{\diamond} = 3 \\ \textcolor{green}{\diamond} = 2 & \textcolor{blue}{\diamond} = 1 & \end{array}$$



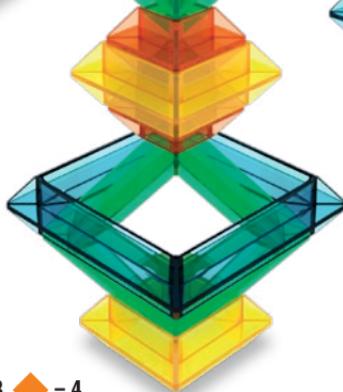
108

$$\begin{array}{ll}\blacklozenge = 4 & \blacklozenge = 3 \\ \blacklozenge = 3 & \blacklozenge = 2 \\ \blacklozenge = 1 & \end{array}$$



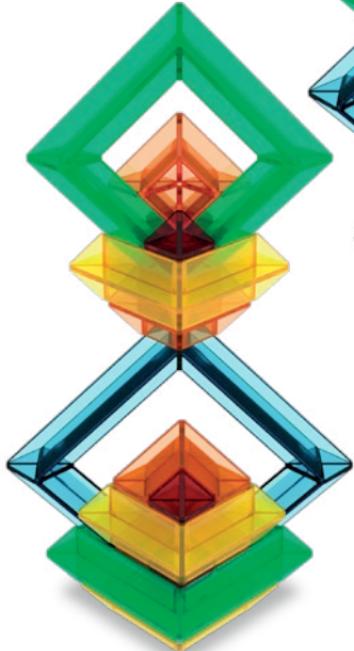
110

$$\begin{array}{ll}\blacklozenge = 5 & \blacklozenge = 4 \\ \blacklozenge = 3 & \blacklozenge = 2 \\ \blacklozenge = 1 & \end{array}$$



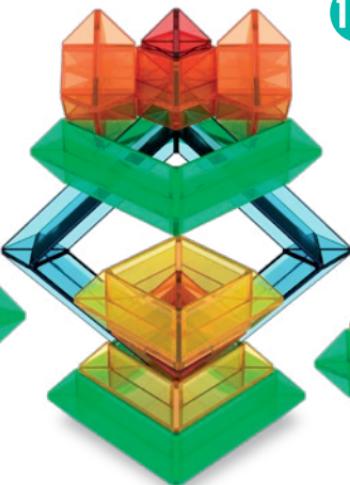
109

$$\begin{array}{ll}\blacklozenge = 3 & \blacklozenge = 4 \\ \blacklozenge = 3 & \blacklozenge = 2 \\ \blacklozenge = 1 & \end{array}$$



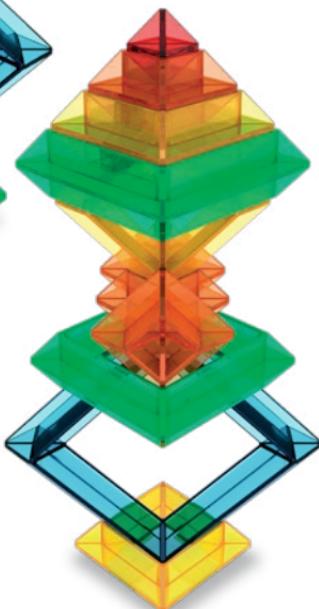
111

◆ = 5 ◇ = 4 ▲ = 3
◆ = 2 ◇ = 1



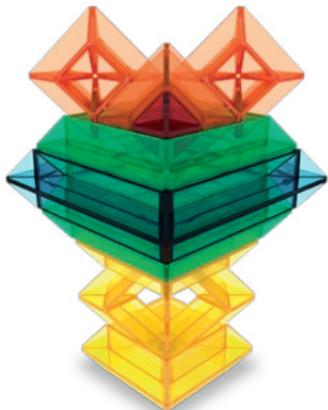
112

◆ = 3 ◇ = 4
▲ = 3 ◆ = 2
◆ = 1



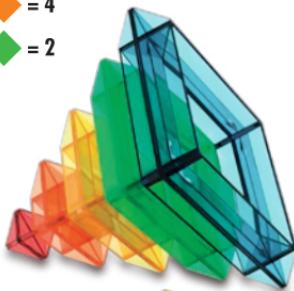
113

◆ = 1 ◇ = 4 ▲ = 3
◆ = 2 ◇ = 1 38



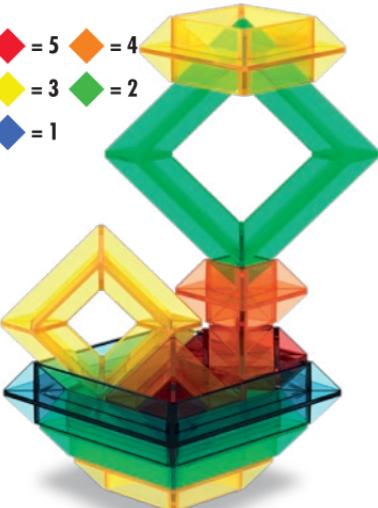
114

◆ = 3 □ = 4
◆ = 3 □ = 2
◆ = 1



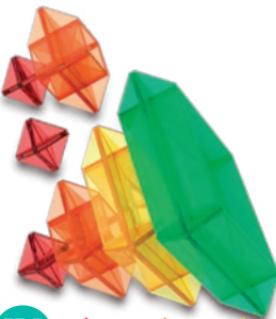
115

◆ = 5 □ = 4
◆ = 3 □ = 2
◆ = 1



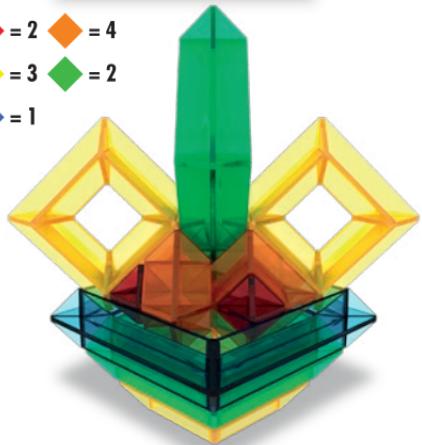
116

◆ = 5 □ = 4 ◆ = 3
◆ = 2 ◆ = 1



117

◆ = 2 ◊ = 4
◆ = 3 ◇ = 2
◆ = 1



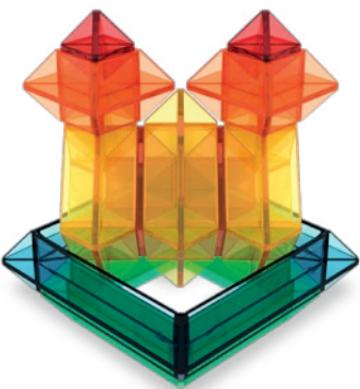
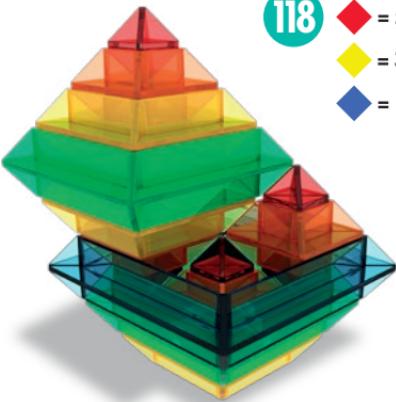
119

◆ = 4 ◊ = 4 ◇ = 3
◆ = 2 ◆ = 1



120

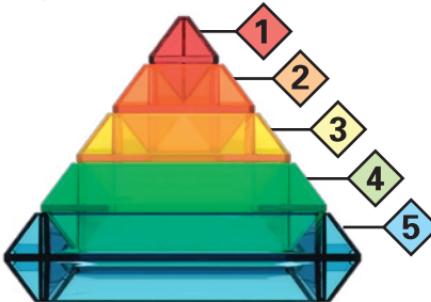
◆ = 3 ◊ = 4 ◇ = 3
◆ = 2 ◆ = 1



FOR THE MATHEMATICIAN: It is interesting to note that the number 3 (yellow), 4 (green) and 5 (blue) pieces of the SAKKARO pyramid shown below can be positioned to illustrate the Pythagorean theorem—the square of the hypotenuse (the side opposite the right angle) is equal to the sum of the squares of the other two sides ($a^2 + b^2 = c^2$). Touching the points of each SAKKARO piece, the interior space forms a right triangle. And because each piece is a square, the biggest square has the same volume as the two smaller squares combined. AMAZING!

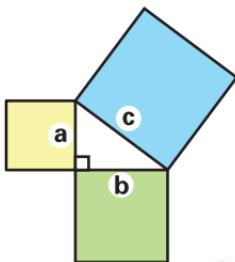
POUR LE MATHÉMATICIEN: Il est intéressant de noter que les pièces numéro 3 (jaune), 4 (vert) et 5 (bleu) de la pyramide SAKKARO indiquée ci-dessous peuvent être positionnées pour illustrer le théorème de Pythagore- le carré de l'hypoténuse (le côté en face de l'angle droit) est égal à la somme des carrés des deux autres côtés ($a^2 + b^2 = c^2$). Toucher les coins de chaque pièce SAKKARO, l'espace intérieur forme un triangle rectangle. Et parce que chaque pièce est carrée, le plus grand carré a la même aire que les deux plus petits carrés combinés. INCROYABLE!

PARA EL MATEMÁTICO: es interesante notar que los números de piezas: 3 (amarillas), 4 (verdes) y 5 (azules) de la pirámide SAKKARO™ mostrada a continuación pueden ser colocadas para demostrar el teorema de Pitágoras: el cuadrado de la hipotenusa (el lado opuesto al ángulo recto) es igual a la suma de los cuadrados de los otros dos lados ($a^2 + b^2 = c^2$). Cuando las esquinas de las piezas SAKKARO™ se tocan unas con otras, el espacio interior forma un triángulo rectángulo. Y debido a que cada pieza es un cuadrado, el cuadrado más grande tiene la misma área que la suma de las áreas de los dos cuadrados más pequeños. ¡ASOMBROSO!

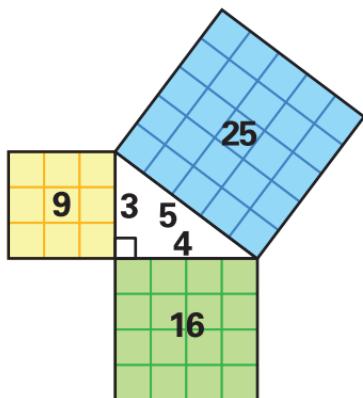
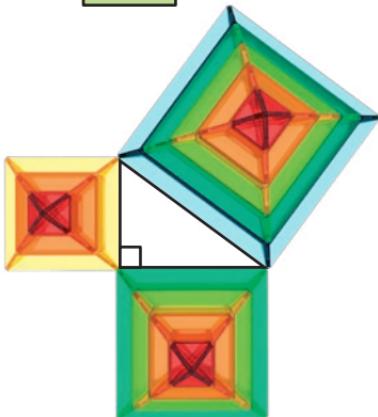


PYTHAGOREAN THEOREM / THEOREME DE PYTHAGORE / TEOREMA DE PITÁGORAS

$$a^2 + b^2 = c^2$$



$$a^2 + b^2 = c^2$$



$$9 + 16 = 25$$

About The Inventor

Invented by Peer Clahsen, internationally known product designer, artist and writer, SAKKARO is a colorful exploration in geometry. In its simplest form, it's a stacking toy for the very young. For the adult, it's a sophisticated play object that will delight all with its complexity of shapes.

In today's fast-paced electronic world, it's hard to find a thinking toy that runs on creativity rather than batteries. SAKKARO is that toy!

Peer Clahsen has spent a lifetime sharing his enthusiasm for art and playart object design. He has created more than 100 play objects for the toy company Naef in Switzerland, such as the Objeux®, Cubicus®, Cella®, Diamant®, and Angular®. For Popular Playthings he created HEXACUS® and TEXET®. Just Google® "Peer Clahsen" or watch him on You Tube®. You'll be amazed at his achievements... three dimensional art that inspires creativity!

Peer Clahsen lives and works in the south of the Black Forest region in Germany.



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