

2024



Welcome

Tiltan Educational Games has a history of innovation and creative design of educational products. Our products are for children from kindergarten to primary school. All the products in this catalogue are designed and manufactured by Tiltan.

The main idea behind the development of our products is to create enjoyable learning experiences for children and allow them to practice mathematical and science as well as other subjects with pleasure.



Bingo Multiplication 8+

TE 1210

Let's have fun while studying and practicing multiplication.

Spin the roulette. After it stops three numbers appear; Each number can be multiplied by another number. If a product appears on your game card, place a disc on it and make your way for a BINGO!

2-5 players

Contains: Roulette Table, 5 Bingo Cards & 60 marking discs

Size: 18 × 18 cm

Box: 19.5 × 21 × 4 cm



Bingo Addition 8+

TE 1231

Let's have fun while studying and practicing Addition. This game has two levels of difficulty. The green cards are for ages 6+, and the orange cards for 7+.

Spin the roulette. After it stops three numbers appear; and four sums can be calculated: 3 by adding the couples of numbers, and one by adding all three numbers. If a product appears on your game card, place a disc on it and make your way for a BINGO!



2-5 players

Contains: Roulette Table, 5 Bingo Cards (2 sided printed) & 60 marking discs

Size: 18 × 18 cm

Box: 19.5 × 21 × 4 cm

Bingo Subtraction 8+

TE 1232

Let's have fun and practice subtraction up to 100!

Spin the roulette. After it stops three numbers appear; one blue number and two yellow numbers. Let's subtract the yellow number from the blue number, If a product appears on your bingo card, place a disc on it, and make your way for a BINGO!



2-5 players

Contains: Roulette Table, 5 Bingo Cards & 60 marking discs

Size: 18 × 18 cm

Box: 19.5 × 21 × 4 cm

Bingo Division 8+

TE 1227

Let's have fun and practice division up to 100! Spin the roulette. After it stops three numbers appear; one blue number (two digits) and two yellow numbers (between 2-10). Let's divide the blue number with one of the yellow numbers, if the quotient appears on your bingo card, place a disc on it, and make your way for a BINGO!

2-5 players

Contains: Roulette Table, 5 Bingo Cards & 60 marking discs

Size: 18 x 18 cm

Box: 19.5 x 21 x 4 cm



Geo-Me

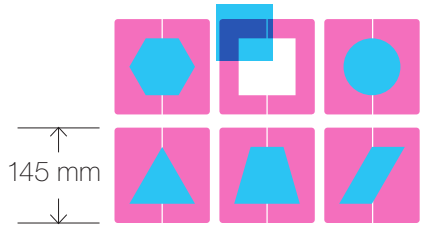
6+

TE 1228

With this kit students can make and explore geometric shapes. Each shape is placed within two halves of a frame, so the shape can be examined both as an object and as the absence of it. The kit encourages research activities which lead to creating a variety of shapes, many of which not standard.

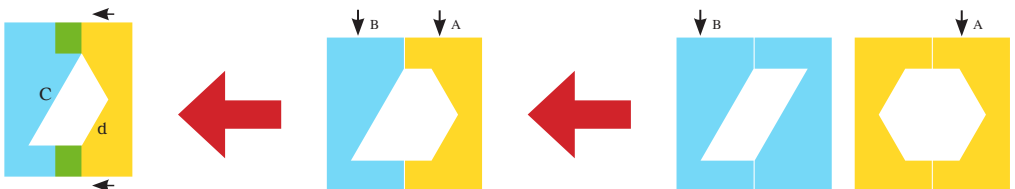
1-6 players

Contains: 3 sets in three colors, a total of 108 parts, Activities booklet



Box: 19.5 x 21 x 4 cm

Example: Creating a trapezoid from two different shapes. Exploring the shapes leads the children to find original solutions.



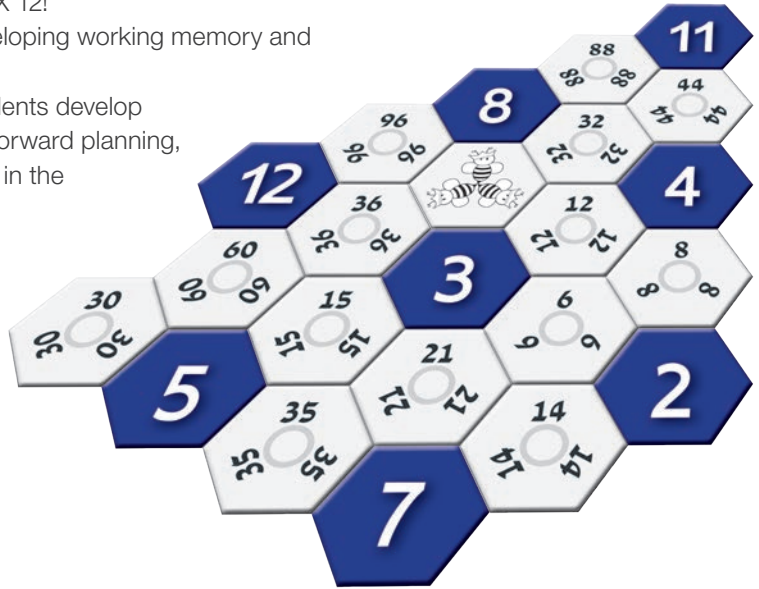
Multi Hive 10+

TE 1208

By playing Multi hive you exercise divisibility rules and multiplication up to 12×12 !

While training and developing working memory and long-term memory.

Playing Multi Hive, students develop strategic thinking and forward planning, while solving problems in the multiplication table and beyond.



2-4 players

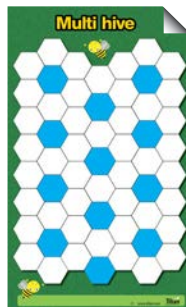
Contains: 73

Magnetic Tiles,

1 Metal flexible sheet, 4 Stands,

1 Explanation sheet

Size: flexible sheet 30×50 cm



Fractions Racing

9+

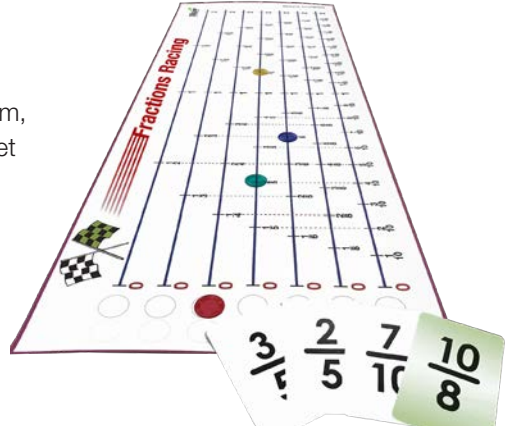
TE 1109

An entertaining game for gradual learning of simple fractions, improper fractions and mixed numbers.

The game requires players to perform addition and subtraction with the fractions as they advance.

1-6 players

Contains: Fraction Racing playmat - 29x70cm, 50 cards, 16 colored discs and Activities sheet



Fractions Line

9+

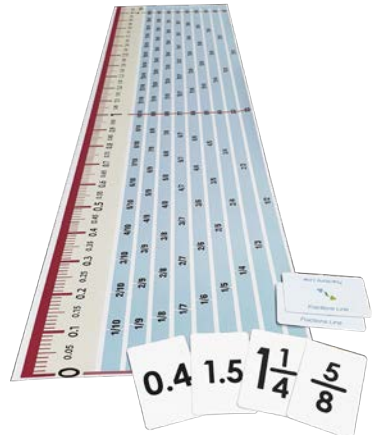
TE 1025

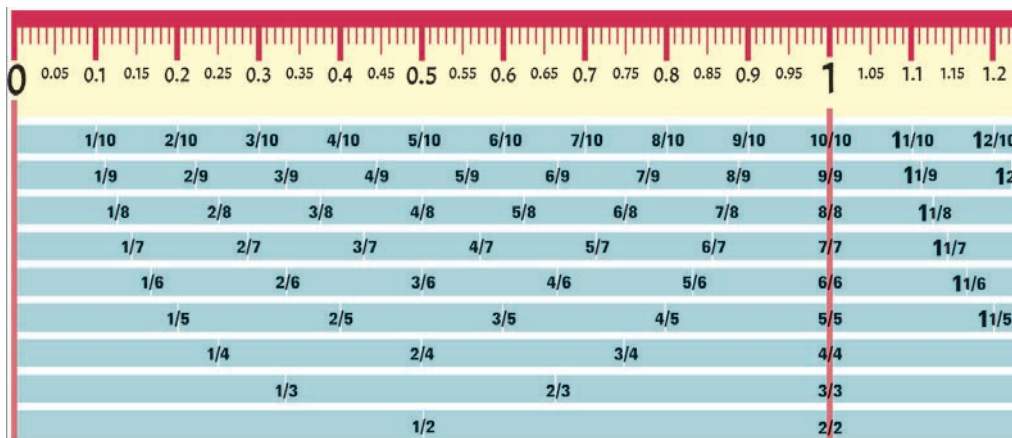
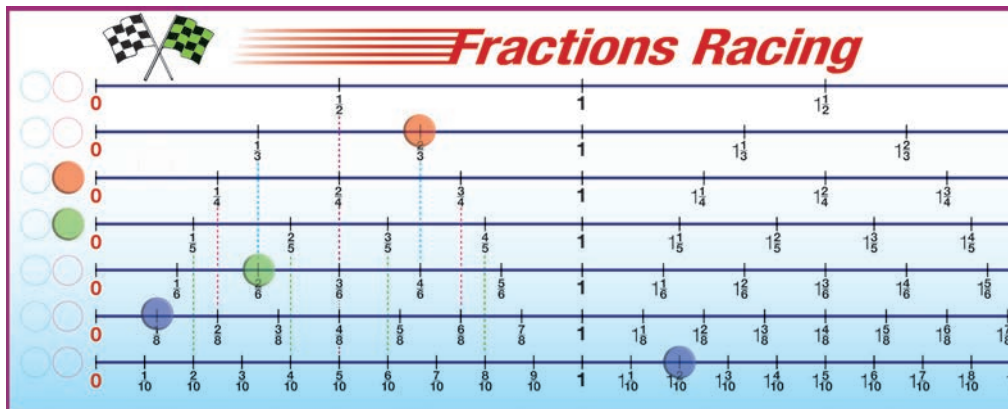
Combined number line of simple and decimal fractions.

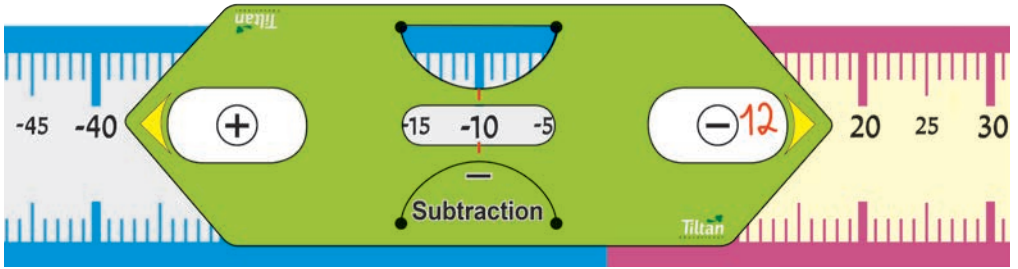
Use the cards and number line to compare between simple & decimal fractions, and for games that include Addition and subtraction.

2-6 players

Contains: Fraction Line playmat - 29x100cm, 50 cards and Activities sheet







Plus Minus 10+

TE 982

Number line for the classroom, with a sliding gauge for addition and subtraction, including operations with negative numbers. With this aid we show the connection between the two operations, and mostly the direction of the result on the line.

Contains: Plus Minus flexible number line, -100÷100,
Direction sliding gauge, Explanation sheet

Size: Flexible Number Line: 100 cm



Fractions - 4 in a Row 9+

TE 1111

A table board game for understanding the meaning of fractions in their various forms. The game is designed for children ages 8-11. They can play in pairs or in group of 4 participants.

This game combines a number of strategies.

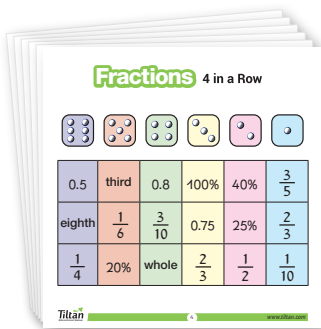
In each turn the participant can choose from number of options his fraction and location.

You can play in several options as well as in several levels.

Contains: Table playmat 57X74 cm, 48 transparent discs in two colors, a dice and 6 cards with two levels of difficulty. Cards 1-3 are for ages 8-9, cards 4-6 for ages 9-11.

Size: 57cm X 74cm

Box: 30.5 X 26 X 5.5 cm



Geometric & Fractions Kit

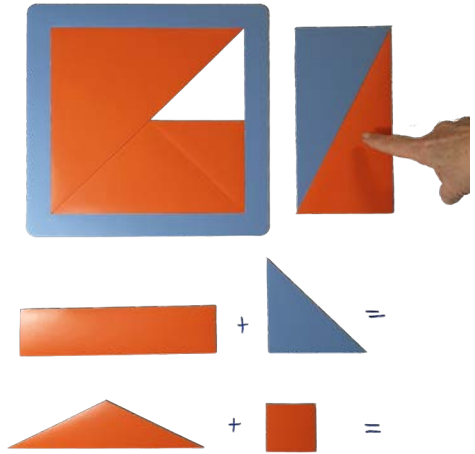
9+

TE 1234

This is a kit for experimenting and researching fractions and angles as a combination of the two areas and in an easier way to understand and practice. It helps students to find solutions in mathematical logic in order to develop mathematical insight.

Why fractions and geometry?

The connection between these two themes is natural, with the help of the shapes we easily see relations of half and quarter etc. as part of a whole and also as part of the quantity.



Contains: 46 magnetic geometric shapes, 1 Geo-Mirror (see page 20), 20 Paper sheets, and 1 Activities booklet

Size: The Square 20 X 20 cm
 Box: 30.5 X 26 X 5.5 cm

Examples from the Activities booklet

Area calculation and comparison

We already know how to calculate the area of the square. Are we able to calculate the area of a right-angled triangle?

Try to motivate students to come up with a formula on their own.

You can use the sheets of paper and also cut out parts for comparison.

We know that the three shapes below are identical in the area because they are made up of two identical triangles, and their area is half the area of the large square. The calculation for the area of the rectangle is $a \times b$. From this point explain the significance of calculating the area of each of the triangles.

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Activity:
 prepare the shape according to the illustration on the right.

Questions:

- What is the circumference of the shape created in the middle, in what?
- What is the area of this shape?

It is advisable to answer logically and without calculation first, as we did before, and then the answer can be translated into a formula.

Activity:
 prepare the shape according to the illustration on the right.

Questions:
 What is the sum of the angles $c + b + a$?

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4 Games 4 You

8+

TE 441

A series of 4 mathematical games that combine mathematical practice together with strategic thinking.

It is possible to play all 4 games at the same time.

Contains: 4 game boards ,100 transparent discs in two colors, 3 spots dice 3 color dice 2 polyhedral dice (1-10)

Material : Solid plastic

Size: 24cm X 28cm each board

Box: 30.5 X 26 X 5.5 cm



Multiplication 4 in a Row

Each player on his turn throws two dice, one with dots and the other with colors. Each color represents a pair of two numbers. He has to choose one number and multiply it with the number on the die, and puts a disc on the product.
In this game, you can create also "4 in a row" with the other players' discs. No blocking.
The winner is the first one that creates 4 numbers in a row, straight or diagonally.

Multiplication 3 in a Row- up to 36

Each player on his turn throws two dice, multiply one with the other, and puts a disc on the product.
The winner is the first one that creates 3 numbers in a row, straight or diagonally.

Multiplication 3 in a Row- up to 100

Each player on his turn throws two dice, multiply one with the other, and puts a disc on the product.
The winner is the first one that creates 3 numbers in a row, straight or diagonally.

Addition 4 in a Row

Each player on his turn throws two colored dice. Each color represents a two with two numbers. He has to choose one number and add it to one number from the other die, and puts a disc on the sum.
Bonus: The player that reaches a sum of 42 gets another die.
The winner is the first one that creates 4 numbers in a row, straight or diagonally.



Tri-Domino Up to 20 5+

TE 1223

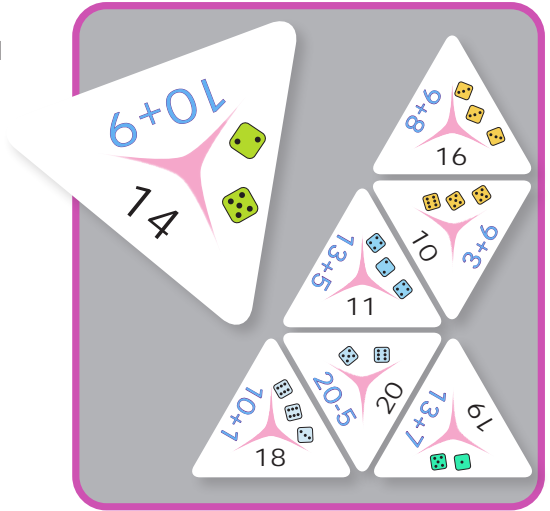
An exciting matching game. Practice matching between quantity, number, and basic plus minus exercises. Large and comfortable parts. Each value appears 6 times.

2-4 players

Contains: 30 triangle domino tiles 6-20.

Size: triangle edge 80 mm.

High quality tile 2.5 mm thick



Tri-Domino Up to 12 5+

TE 1222

An exciting matching game. Practice matching quantity to number, number to number and quantity to quantity.

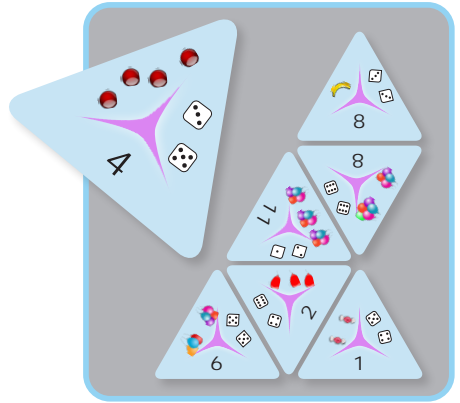
The different arrangements of quantities encourage children to practice counting in pairs and triples as preparation for future multiplication exercises.

Large easy to hold parts.

2-4 players

Contains: 30 triangle domino tiles (24 printed & 6 blank).

Size: triangle edge 80 mm.
High quality tile 2.5 mm thick



Domino Triangles & Angles 9+

TE 1207

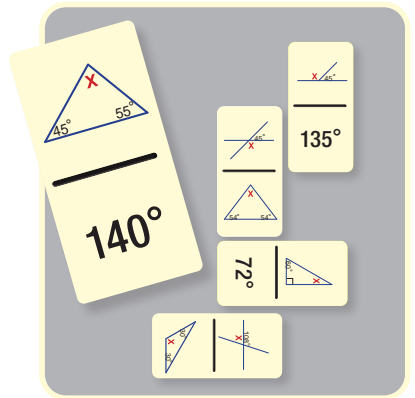
With this challenging domino game the student will develop basic geometry skills, such as: understanding of the sum angle of a triangle, complementary angles and vertical angles.

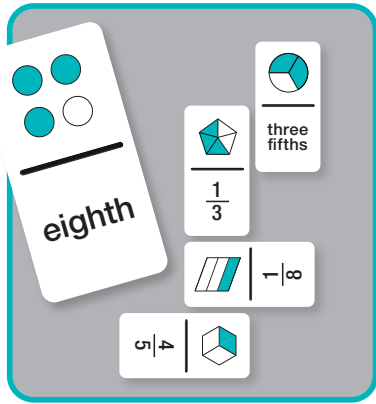
Each value appears 5 times

2-4 players

Contains: 40 domino tiles

Size: 64 x 32 mm, each tile
High quality tile 2.5 mm thick





Domino Fractions 8+

TE 1201

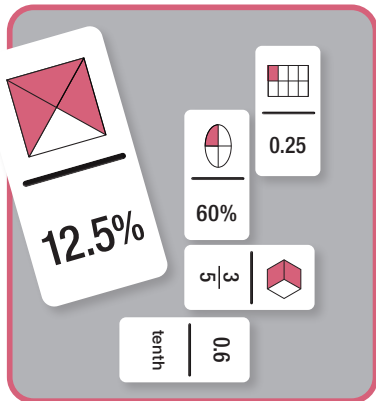
A unique domino game for understanding fractions and the different ways to present them.

Each value appears 6 times.

2-4 players

Contains: 42 domino tiles

Size: 64 × 32 mm, each tile
High quality tile 2.5 mm thick



Domino Fractions & Percentages 9+

TE 1202

Let's play domino and match fractions with geometrical divisions, percentages, decimal fractions and fraction names.

Each value appears 6 times.

2-4 players

Contains: 42 domino tiles

Size: 64 × 32 mm, each tile
High quality tile 2.5 mm thick



Also in
German

Domino Area - 36 8+

TE 1203

An area calculation domino that encourages the use of addition, subtraction and multiplication operations.

Note -The areas are divided into 3X3 to make calculation easier.

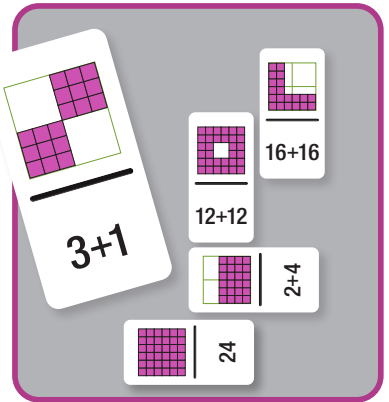
Each value appears in four different ways.

2-4 players

Contains: 40 domino tiles

Size: 64 x 32 mm, each tile

High quality tile 2.5 mm thick



Domino Area - 64 8+

TE 1204

An area calculation domino that encourages the use of addition, subtraction and multiplication operations.

Note -The areas are divided into 4X4 to make calculation easier.

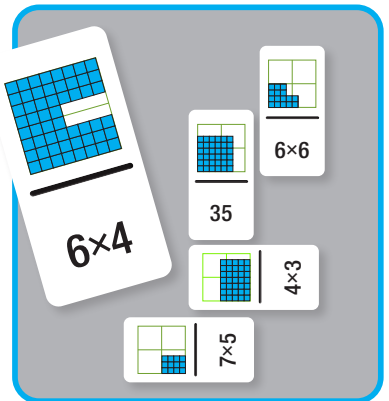
Each value appears in four different ways.

2-4 players

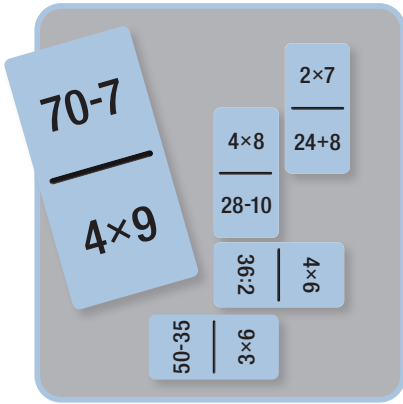
Contains: 40 domino tiles

Size: 64 x 32 mm, each tile

High quality tile 2.5 mm thick



Domino - Maths



Domino Arithmetic Level 1 8+

TE 1205

By playing this domino game, students will develop basic arithmetic skills - addition, subtraction, multiplication and division up to 100.

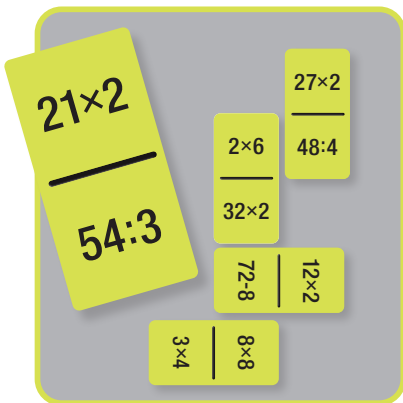
Each numeric value appears 6 times.

2-4 players

Contains: 42 domino tiles

Size: 64 × 32 mm, each tile

High quality tile 2.5 mm thick



Domino Arithmetic Level 2 9+

TE 1206

By playing this domino game, students will develop basic arithmetic skills - addition, subtraction, multiplication and division up to 100.

Each numeric value appears 6 times.

2-4 players

Contains: 42 domino tiles

Size: 64 × 32 mm, each tile

High quality tile 2.5 mm thick



Letters & Roll

8+

TE 1235

A game to improve vocabulary, spelling, and creativity. Players must create words by matching an opening letter or a closing letter.

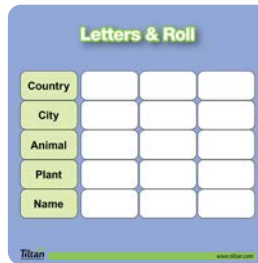
The double roulette has two wheels that rotate separately, forming hundreds of combinations of letters.

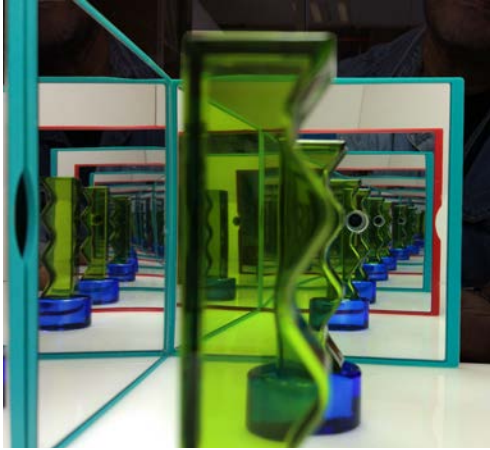
Yellow letter – will be the first letter of the word

Blue letter – will be the last letter of the word

2-4 players

Contains: Double Roulette Table, 4 Crossword puzzle cards, 4 "Country-City" cards ,3 whiteboard marker, and Explanation sheet





Effect of endless mirror.

Contains: 2 Geo-Mirror, one of them with a hole, 12 Activity cards, 2 Rubber band, 30 Pattern Blocks.

Size: every mirror panel 145 x 145 mm.

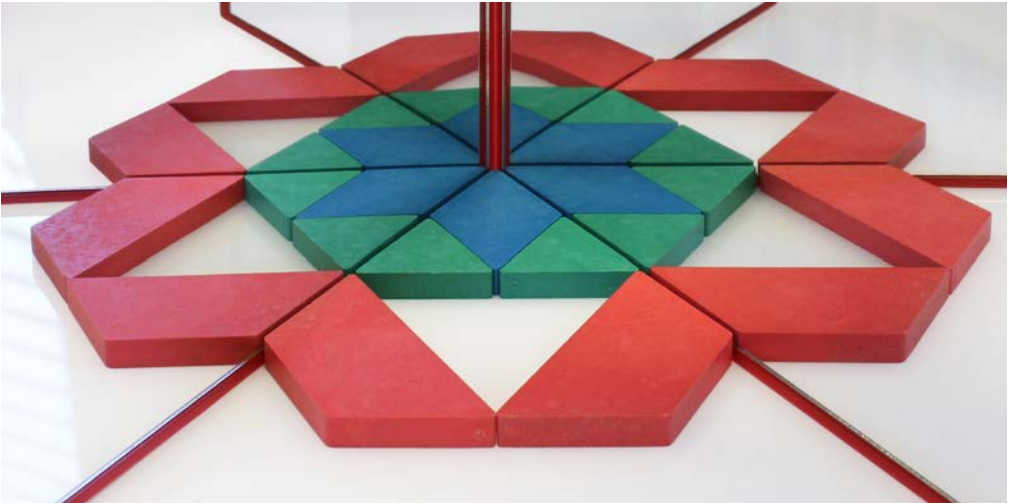
Geo-Mirror 3+

TE 1041

The Geo-Mirror allows children to create and explore symmetry in a fun way. Built with a continuous integral hinge with a 180° range.

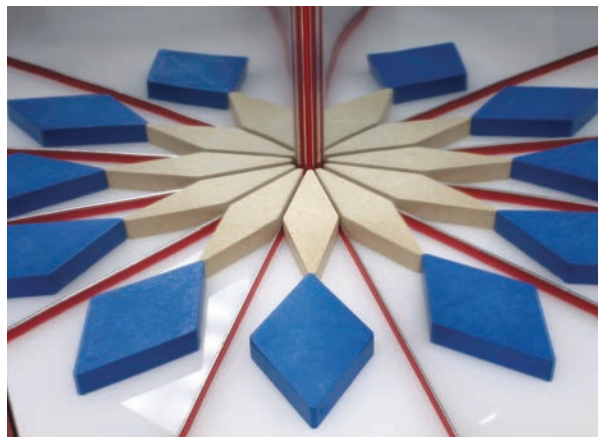
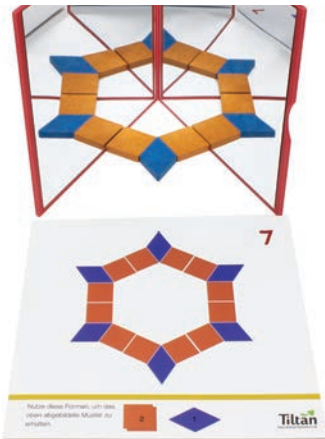
Geo-Mirrors can be opened on any surface and ordinary objects can enhance its experience. Gradual work via the included cards is also recommended.





Effect of rotational symmetry in 60° and in 30° opening.

Example of a solution on one of the activity cards



Light Panel **4+**

TE 415

Tiltan Light Panel is made from a massive aluminum frame with high quality components. Tiltan Light Panel has a particularly strong light intensity, that allow work on it in daylight. It is possible to adjust the intensity of the light continuously from full power to shut down.

Tiltan Light Panel has been specially designed for use by both children and adults. With the light panel in your kindergarten the children won't have enough of it! They will explore and create new shapes, shadows, color mixes and many more exciting activities.

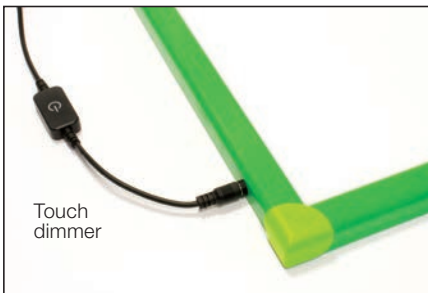
Tiltan light panel is especially safe because it is made of high quality materials and works only with **12V**.

Contains: Light Panel,
12V 3A Adapter
Touch dimmer
A transparent color fan
Activity guide



Size: 50 x 60 x 2 cm





transparent
color fan



U-P You Play 3+

TE 416

Sensory play in the Early Years is an essential part of a child's development. Therefore we always look for attraction activities and materials that children love to play with, like water and sand.

We create the U-P "You-Play" which is a multi-purpose activity tray for children both in kindergarten and school.

The U-P designed to fit over our Light Panel. Children will enjoy using this when making painting and own creativity with kinetics sand and cubes.

The transparent tray can be used as a sand tray. Children like to reach into the fine sand with their fingers and with the additional parts like "sand combs" or pattern roll. This U-P tray also can be filled with water to experience with mix colors and create amazing shapes and explore materials which are sinking or floating.

Size : 60 X 50 X 4.5 cm

Contains : U-P tray, 4 scrapers, 1 synthetic colored background, 5 pipettes,
1 kg of fine quartz sand

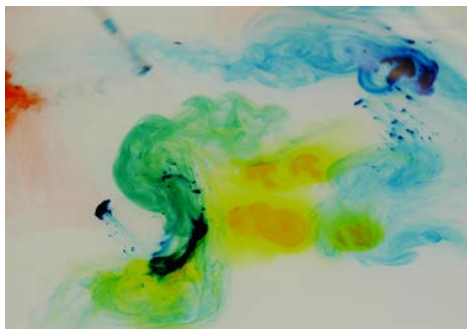
Material : wood fram & pp tray



Activity with fine sand



Activity with water





Rigid and very light frame



Road Safety

Traffic lights – Crossing Light 3+

TE 523

Electric Crossing Light. The lights change automatically every 33 sec.

Powered by 4 AA batteries.

Can be attached to any standard plastic rod with a diameter of 25 mm.

The Graphics and cycle times can be changed upon request.

Size : 27.7 X 14.5 X 5.5 cm



Traffic lights – Road 3+

TE 522

Electric Crossing Light. The lights change automatically every 30 sec.

Powered by 4 AA batteries.

Can be attached to any standard plastic rod with a diameter of 25 mm

Size : 33 X 14.5 X 5.5 cm



Binocular with compass 3+

TE 161

Excellent quality binoculars with a scroll button to focus.

Includes a built-in compass in the body of the binoculars.

Also with a button to adjustable between the eyepieces in order to adapt to children.



Compass



Eyepieces adjustable



Focus button



Magnifier 75 with rubber handle 3+

TE 103

A quality magnifier with a rubber handle for a comfortable and stable grip.

The lens is made of child-safe acrylic material.

Data: Diameter 75 mm.

Magnification 2.5 times

The lens in the handle 10 times.





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