

Fun with maths

Dear students, parents/guardians, teachers, and interested parties,

Bridge HDT Haarlem VO started tutoring again on Monday August 30th with much enthusiasm!

At the Bridge HDT we think it is important that pupils experience Joy Factor while doing maths. By this we mean that they interact with maths in fun ways. We try to connect maths with the things which are important to the pupils to make it more interesting for them. For example, we ask them what they like to do outside of school and make word problems about that. We also use maths materials in our lessons such as fake

money, number lines, clocks, and fraction towers. By making maths concepts visual, pupils can understand them better. We also do a lot of maths puzzles and maths games. Apart from the Joy Factor we have in our regular lessons, we also organise a special Joy Factor lesson four times a year (more about this below).

Like the American poet Alfred Mercier said: "What we learn with pleasure we never forget!"

*On behalf of the whole team,
 Joosje Slot
 Site Director Bridge HDT Haarlem VO*

Sudoku

6			4		1
	5	4	3	6	2
		2			4
				2	
2			1	4	
		1			6

In every row each number (from 1 to 6) occurs once. In each column each number (1-6) occurs once. And in each section (surrounded by the thicker black lines) each number (1-6) also occurs once.

First Joy Factor Lesson

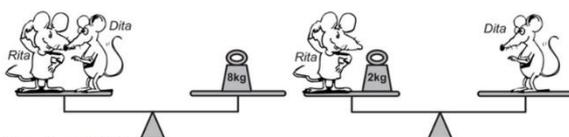


Our first Joy Factor lesson was an escape room. Pupils had to work in pairs to solve maths puzzles as fast as possible to try and be the first to escape the escape room!

JOY FACTOR LES

23 april 2021

Puzzel 6: Rita en Dita



Hoeveel weegt Rita?

- A. 2 kg B. 3 kg C. 4 kg D. 5 kg E. 6 kg

Second Joy Factor Lesson

Our second Joy-Factor lesson was a scavenger hunt. Pupils had to find (and often calculate) answers to questions in the classroom, online and in books. The answers formed a story about the summer.



Vraag 4: Kijk goed in ons HDT-lokaal. Hoeveel vlaggetjes tel je?

- Antwoord: Vul in:
- 12 SCHUURMONNIKOOG
 9 TUINZANIA
 30 CURAÇAO
 7 WOONKAMEROEN



MATHS GAMES

Sometimes we spend the last 15 minutes of our lesson on Friday doing maths games. These are games for which you need to use maths skills, but which are also a lot of fun. Pupils usually really look forward to this!



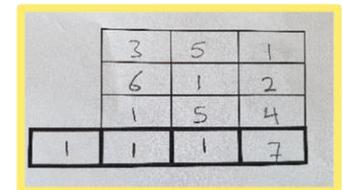
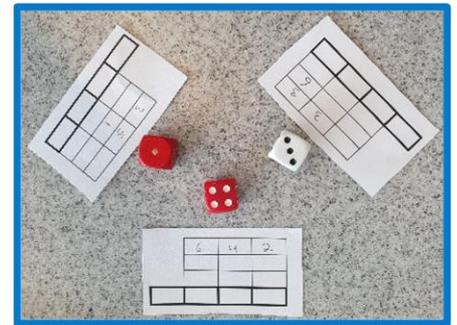
The game 7-ate-9 is a favourite among our pupils. Everyone can play cards from their hand onto the card in the middle of the table as quickly as they can. If the card in the middle is a 6 with $+/-3$ written on it, that means that you can play a 3 ($6 - 3 = 3$) or a 9 ($6 + 3 = 9$) on this card. The aim is to empty your hand as quickly as possible.

In this game you need to pay close attention!

Thousand

You can easily play this game at home. All you need is a pen, some paper, and a die. On the sheet of paper are 9 boxes. The top three boxes form a number. For example, if you have a 5 in the first box, a 2 in the second box and a 4 in the third box then the top number is 524. The middle three boxes also form a number, and the bottom three boxes form a number as well. After throwing the die 9 times, you add the three numbers together. Whoever is closest to 1000 wins.

For this game you need good tactics and a bit of luck!



Frequently Asked Questions

Why is Joy Factor an important part of the Bridge HDT-lessons?

Joy Factor ensures that pupils connect with maths better. When pupils enjoy maths, they are more motivated and become more interested in maths. Having fun during the lessons also makes pupils feel safe and at home in the lessons so that they are more comfortable and learn better.

What is the Themavraag?

One of the ways in which we bring Joy Factor into the lessons is with the Themavraag. A Themavraag is a maths question which encourages pupils to try new things and interact with maths in a different way than in the rest of the lesson. Pupils have five weeks in which they work on this question every now and then. At the end of the five weeks, one tutor pair is asked to present their solution in front of the class. At the moment, pupils are working on a Themavraag about Roman numerals.

