**Khan Academy –** Topics – Mathematics - **Year 1** (ttoHV & ttoV)

* Go to the website <https://www.khanacademy.org/>
* Click ‘Sign up with email’
* Fill in your ‘First Name’ and ‘Last name’
* Choose an email-address that you use frequently (your magister address is suitable!)
* Fill in your birth date
* Use the link in the email send to your address to confirm the account
* Choose ‘male’ or ‘female’ and create a username and password
* Click the tag with ‘the world of math’ and choose ‘go back to the classic homepage’ (this way you get out of the learning board – don’t do the test yet!)
* Choose ‘classic homepage’

To add your teacher as a coach and be part of your class:

* Click your username (near your first avatar – a green leaf)
* When you are in your profile, click ‘coaches’ (bottom of left side column)
* In the bar with ‘enter class code or coach id’ type, enter the email adress:

<please inform students of your emailadress>

* Join the class (make sure you don’t pick the name with .net or .com …just .nl)
* Your teacher will add you to the correct class
* Most of the things you do for maths will be ‘practice your maths skills’ (upper right)

Below you will find a study planning.

K means Khan Academy step

01 etc. is the order in which to proceed

A means arithmetic en M means mathematics

**Assignments:** A = arithmetic (**all without calculator!**) M =mathematics

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| --- | --- | --- | --- |
| Number | **Main topic in ‘Star Map’** | **Subtopics** (zoom in) | Period |
| K01 A | Addition & subtraction | - 1 digit addition (no calculator!)  - 2 digit addition  - 1 digit subtraction  - 2 and 3 digit subtraction  - subtraction with borrowing  - 4 digit subtraction with b.  - addition and subtraction word problems  - addition with carrying  - 4-digit addition with carrying  - number line | 1 |
| K02 A | Decimals | - decimals on the number line 1  - decimals on the number line 2  - decimals on the number line 3  - adding decimals 1  - adding decimals 2  - subtracting decimals 0,5  - subtracting decimals  - adding and subtracting decimals word problems | 1 |
| K03 A | Decimals | - place value  - understanding decimals place value  - comparing decimals 1  - comparing decimals 2  - rounding whole numbers  - rounding numbers  - estimation with decimals | 1 |
| K04 A | Multiplication and division | - multiplying 1 digit numbers  - multiplaying by multiples of 10  - basic division  - 1 digit division  - multi-digit division without remainders  - multiplication without carrying  - multiplication with carrying  - multiplying 2 digits by 2 digits  - multi-digit multiplication  - counting division by 2 digits  - multi-digit division | 2 |
| K05 A | Multiplication and division | - representing numbers  - understanding place value 1  - comparing whole numbers  - comparing with multiplication  - multiplication and division word problems  - multiplication and division word problems 2  - multi-step word problem with whole numbers | 2 |
| K06 A | Arithmetic properties | - recognising fractions 0,5  - fractions on the number line 1  - identifying numerators and denominators  - converting fractions to decimals  - adding fractions with common denominators  - equivalent fractions  - equivalent fractions 2  - fraction word problems  - adding fractions  - subtracting fractions | 2 |
| K07 A | Fractions | - simplifying fractions  - multiplying fractions 0,5  - multiplying fractions by integers  - multiplying fractions  - dividing fractions by whole numbers  - dividing whole numbers by fractions  - multiplying fractions word problems  - dividing fractions word problems | 2 |
| K08 M | Graphing linear functions | - graphing points  - points on the coordinate plane | 2 |
| K09 M | Negative numbers and absolute value | - negative numbers on the number line  - number line 3  - ordening negative numbers  - adding negative numbers  - number opposites  - adding and subtracting negative numbers  - negative numbers word problems | 3 |
| K10 A | Arithmetic properties | - properties of numbers 1  - properties of numbers 2  - order of operations  - distributive property | 3 |
| K11 A | Factors and multiples | - divisibility intuition  - divisibility 0,5  - prime numbers  - prime factorization  - least common multiple (VWO only!)  - greatest common divisor (VWO!)  - LCM and GCD word problem (VWO!) | 4 |
| K12 M | Points, lines, planes | - recognizing rays lines and line segments  - points, lines and planes  - measuring segments  - measuring angles  - angle types | 4 |
| K13 M | Angles and intersecting lines | - parallel lines  - congruent angles | 4 |
| K14 M | Quadrilaterals | - quadrilateral types  - quadrilateral angles (VWO only!)  - angles of a polygon (VWO only!) | 4 |