

HOEKOM?

1. HOEKOM

- IS " 'N MIN MAAL 'N MIN 'N PLUS"?
- IS $2x + 3x = 5x$?
- IS OPPERVLAKTE VAN 'N DRIEHOEK = HALF BASIS X HOOGTE?
- MOET ONS IN WISKUNDE EERS MAAL VOOR ONS OPTEL?

2. HOEKOM

- NOEM ONS 'N BREUK 'N "RASIONALE" GETAL?
- NOEM ONS Δ DIE "DISKRIMINANT"?
- NOEM ONS DIT 'N "PARABOOL"?
- NOEM ONS DIE VERHOUDING $\frac{O}{S}$ DIE "SINUS" EN $\frac{O}{A}$ DIE "TANGENS"?

3. HOEKOM IS

- $\frac{a}{b} \div \frac{c}{d} = \frac{a}{b} \times \frac{d}{c}$
- $\frac{a}{b} \times \frac{c}{d} = \frac{a \times c}{b \times d}$
- $2(x + 3) = 2x + 6$
- $\frac{a}{b} + \frac{c}{d} = \frac{ad + bc}{bd}$



4. HOEKOM

- IS 1 NIE 'N PRIEMGETAL NIE?
- MAG MENS NIE DEUR 0 DEEL NIE?
- SKRYF ONS $a^{-n} = \frac{1}{a^n}$?
- IS 'N OMWENTELING 360° ?



5. HOEKOM

- DIFFERENSIEER ONS?
- FAKTORISEER ONS?
- TEL ONS GELYKSOORTIGE TERME OP?
- VEREENVOUDIG ONS ALGEBRAÏESE BREUKE?

6. HOEKOM

- SKRYF ONS "1x" AS "x" EN "x¹" AS "x"?
- SKRYF ONS "IS GELYK AAN" AS "="?
- SKRYF ONS $aaaaa = a^5$?
- SKRYF ONS $3,666666... = 3,\overline{6}$?

WHY?

1. WHY

- IS "A MINUS TIMES A MINUS A PLUS"?
- IS $2x + 3x = 5x$?
- IS AREA OF A TRIANGLE = HALF BASE \times HEIGHT?
- MUST ONE IN MATHEMATICS FIRST MULTIPLY BEFORE ONE ADDS?

2. WHY

- DO WE CALL A FRACTION A "RATIONAL" NUMBER?
- DO WE CALL Δ THE "DISCRIMINANT"?
- DO WE CALL IT A "PARABOLA"?
- DO WE CALL THE RATIO $\frac{O}{S}$ THE "SINE" AND $\frac{O}{A}$ THE "TANGENT"?

3. WHY IS

- $\frac{a}{b} \div \frac{c}{d} = \frac{a}{b} \times \frac{d}{c}$?
- $\frac{a}{b} \times \frac{c}{d} = \frac{a \times c}{b \times d}$?
- $2(x+3) = 2x+6$?
- $\frac{a}{b} + \frac{c}{d} = \frac{ad+bc}{bd}$?



4. WHY

- IS 1 NOT A PRIME NUMBER?
- MAY WE NOT DIVIDE BY ZERO?
- DO WE WRITE $a^{-n} = \frac{1}{a^n}$?
- IS A REVOLUTION 360° ?



5. WHY

- DO WE DIFFERENTIATE?
- DO WE FACTORISE?
- DO WE ADD LIKE TERMS?
- DO WE SIMPLIFY ALGEBRAIC FRACTIONS?

6. WHY

- DO WE WRITE "1x" AS "x" AND "x¹" AS "x" ?
- DO WE WRITE "IS EQUAL TO" AS "=" ?
- DO WE WRITE $aaaaa = a^5$?
- DO WE WRITE $3,666666... = 3,\overline{6}$?