Bijeenkomst Rekenexperts op 16 november 2010

Een hoofdrekenles

Geschikt voor kleinere en grotere groepen

Niveau: 1F en 2F

Doel: studenten duidelijk maken dat er voor sommen basisstrategieën zijn, maar dat er ook verschillende strategieën zijn om tot dezelfde (goede) oplossing te komen.

Maken:

Een sommenblad met platte sommen met gehele getallen, met vier bewerkingen + - : x

<http://www.sommenmaker.nl> (of je husselt de sommen door elkaar, maakt het iets moeilijker)

Les:

Het blad deel je uit en neem je na 10 minuten weer in

De blaadjes hussel je door elkaar deel je weer uit

Studenten kijken elkaars sommen na

Uitleg:

* Optie 1: de docent legt uit en geeft strategieën weer op het bord
* Optie 2: studenten leggen hun eigen strategie uit op het bord of in kleine groepjes aan elkaar, docent geeft daarna meest veilige of basisstrategie aan

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Hoofdrekenen is rekenen met je hoofd**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | 44 | + | 8 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 81 | + | 8 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 55 | + | 27 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 90 | + | 9 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 95 | + | 5 | =..... | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | 89 | + | 37 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 62 | + | 75 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 86 | + | 50 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 37 | + | 29 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 13 | + | 32 | =..... | | | | |  | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 59 | - | .. | = | 17 |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 52 | - | 17 | = |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 81 | - | .. | = | 54 |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 78 | - | 3 | = |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 70 | - | .. | = | 38 |  | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 72 | - | .. | = | 49 |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 77 | - | 8 | = |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 86 | - | .. | = | 13 |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 69 | - |  | = | 65 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | 47 | - | .. | = | 25 | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | 25 | x | 50 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 43 | x | 8 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 50 | x | 1 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 36 | x | 8 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 31 | x | 40 | =..... | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | 99 | x | 13 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 70 | x | 96 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 46 | x | 54 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 24 | x | 23 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 22 | x | 80 | =..... | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | 44 | : | 37 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 48 | : | 3 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 61 | : | 9 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 90 | : | 65 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 47 | : | 23 | =..... | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | 100 | : | 46 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 97 | : | 24 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 67 | : | 57 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 54 | : | 8 | =..... |  |  |  |  |  | | --- | --- | --- | --- | | 77 | : | 69 | =..... | | | |