# Intervallen

## Open, gesloten en halfopen intervallen

### DEFINITIE INTERVALLEN



### OPEN INTERVALLEN



### GESLOTEN INTERVALLEN



### HALFOPEN INTERVALLEN



### ONBEGRENSDE INTERVALLEN









### OEFENINGEN









 

] -oo , 1 [



-3 < x < 7



## BEWERKINGEN MET INTERVALLEN

### Unie van intervallen





|  |  |
| --- | --- |
|  = |   |
| [ -2 , 5 ] U [ 5 , 9 ] =  | [ -6 , 9 [ U [ 9 , 11 ] = |
| [ -1 , 4 [ U [ 7 , 13 ] = | ] -oo , 1 [ U [ -3 , 16 ] = |

### Doorsnede van intervallen





|  |  |
| --- | --- |
|  =  |   |
| [ -1 , 5 ] [ 5 , 9 ] =  | [ -1 , 7 [ [ 7 , 11 ] = |
| [ -3 , 8 [ [ 9 , 10 ] = | ] -oo , -3 [ [ -8 , 16 ] = |

### Verschil van intervallen





|  |  |
| --- | --- |
|  =  |   |
| [ -1 , 7 ] \ [ 5 , 10 ] =  | [ -1 , 9 [ \ [ 9 , 11 ] = |
| [ 1 , 6 [ \ [ 9 , 11 ] = | ] -oo , 6 [ \ [ -3 , 16 ] = |