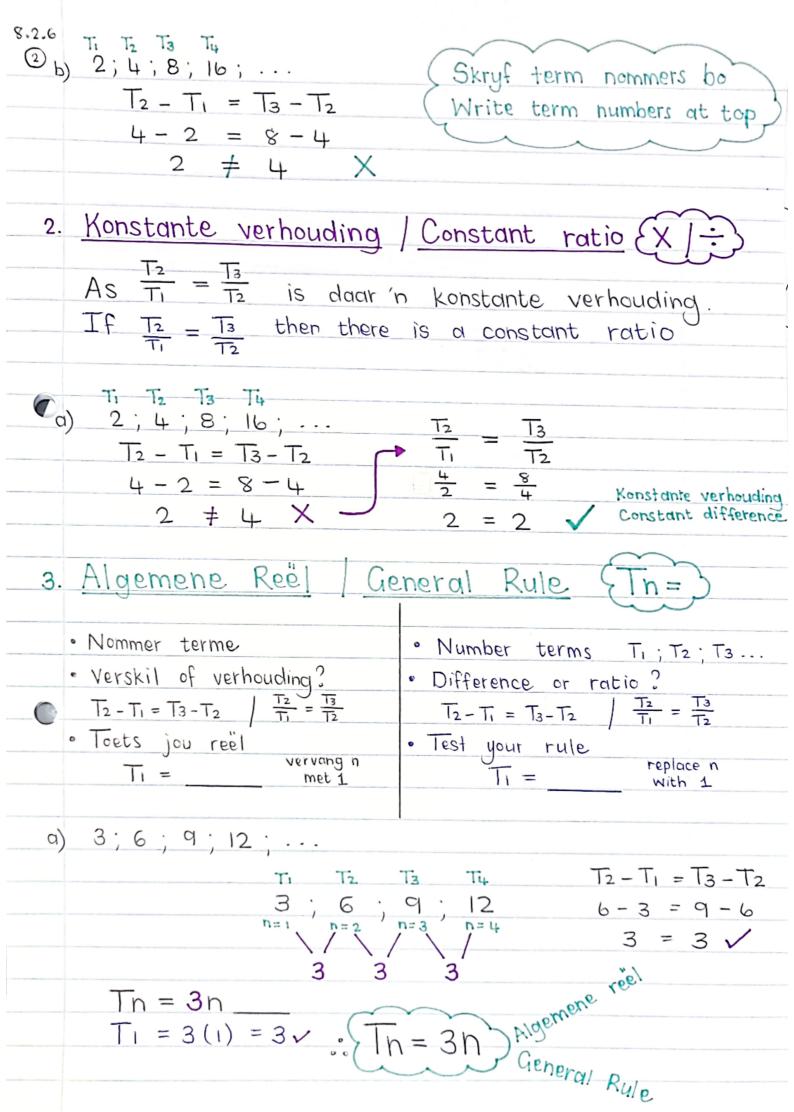
```
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8.2.6
    Gr 8 Wiskunde / Mathematics
\odot
    Getalpatrone / Number Patterns
     3;6;9;12 ... 10;14;18;22 ...
     1;3;5;7... -5;-10;-15...
    To beteken Term nommer 1 . To T2 T3 T4

medns Term number 1 3;6;9;12 ...
 Voltooi die patroon/Complete the pattern:
   1) 3; 6; 9; 12; ___; ___ Tel 3 elke keer by
                               Add 3 every time
   Subtract 2
   3) 2; 4; 8; 16; ; ;
                          __ Maal met 2
                             Multiply by 2
   4) 48; 24; 12; ...
                             Deel met 2
                             Divide by 2
 1. Konstante verskil | Constant difference (+/-
    As T_2 - T_1 = T_3 - T_2 dan is dit 'n konstante verskil
   If T_2 - T_1 = T_3 - T_2 then it will be a constant difference
   T_1 T_2 T_3 T_4 T_2 - T_1 = T_3 - T_2
  a) 3,6,9,12... 6-3=9-6
                     3 = 3 Konstante verskil

Constant difference
```



```
8.2.6
 3
         T1 T2 T3 T4
         \bigcap_{n=1}^{\infty}, \bigcup_{n=2}^{\infty}, \bigcup_{n=3}^{\infty}, \bigcup_{n=4}^{\infty}, ... \bigcup_{n=2}^{\infty}, \bigcup_{n=3}^{\infty}, \bigcup_{n=4}^{\infty}, ... \bigcup_{n=2}^{\infty}
  b)
                                     4-1=7-4
                                                3 = 3 ✓
                      T_n = 3n
             Test \rightarrow T<sub>1</sub> = 3(1)
                                                 ... Tn = 3n - 2
                        T_1 = 3 - 2
                        Ti = (1) \( \sqrt{}
          T1 T2 T3
          T_2 - T_1 = T_3 - T_2
                                               -6-(-2) = -10-(-6)
             -4 -4
                                               -6+2 = -10+6
                                               -4 = -4 /
                         Tn = -4n
                          T_1 = -4(1)
                          T_1 = -4 + 2
                          T_1 = -2
         T<sub>1</sub> T<sub>2</sub> T<sub>3</sub> T<sub>4</sub>
 od)
         \frac{1}{n}; \frac{10}{n}; \frac{16}{n}; \frac{22}{n}; ... \frac{1}{12} - \frac{1}{11} = \frac{1}{3} - \frac{1}{2}
                                           10-4 = 16-10
         6 6 6
                      Tn = 6n
                      T_1 = 6(1)
                                                  Tn = 6n - 2
                       T_1 = 6 - 2
                       T_1 = 4
```