

Hersiening Inoefening Vaslegging  
Graad 6 Kwartaal 2 Werkopdrag 1 2024  
Memorandum

Afdeling A – Getalsinne:

- |  |                                   |     |
|--|-----------------------------------|-----|
| 1.1 WAAR   | 1.2 ONWAAR                        |     |
| 1.3 WAAR   | 1.4 ONWAAR                        |     |
| 1.5 WAAR   | 1.6 ONWAAR                        | (6) |
| 2.1 $\square = 395$                                  | 2.2 $\square = 72$                |     |
| 2.3 $\square = 4\ 400$                               | 2.4 $\square = 13$                |     |
| 2.5 $\square = 41$                                   |                                   | (5) |
| 3.1 $2\ 704 - 2\ 704 = 0$                            | 3.2 $385 \times 1 = 385$          |     |
| 3.3 $1\ 408 + 37 - 37 = 1\ 408$                      | 3.4 $274 \times 13 \div 13 = 274$ |     |
| 3.5 $6 \times 0 \div 19 = 0$                         | 3.6 $185 \times 49 \times 0 = 0$  | (6) |
| 4.1 $6 \times (6 + 6) =$                             | $6 \times 12 = 72$                | (2) |
| 4.2 $(7 \times 7) - 7 =$                             | $49 - 7 = 42$                     | (2) |
| 4.3 $(9 \times 8) + (11 \times 10) =$                | $72 + 110 = 180$                  | (2) |
| 4.4 $60 - (5 \times 11) =$                           | $60 - 55 = 5$                     | (2) |
| 4.5 $(54 \div 6) + 7 =$                              | $9 + 7 = 16$                      | (2) |
| 4.6 $(60 \div 5) \times 8 - 7 =$                     | $12 \times 8 - 7 = 96 - 7 = 89$   | (2) |
| 5.1 $(7 \times 5) - 5 = 30$                          |                                   | (1) |
| 5.2 $2 + 14 = 16$                                    |                                   | (1) |
| 5.3 $15 + (24 \div 3) = 23$                          |                                   | (1) |
| 5.4 $(27 \div 3) - 5 = 4$                            |                                   | (1) |
| 5.5 $(6 \times 1) \times 1 = 6$                      |                                   | (1) |
| 6.1 $(9 \times 3) - 2 = 25$                          |                                   | (1) |
| 6.2 $(67 - 25) \div 3 = 14$                          |                                   | (1) |
| 6.3 $9 \times 7 = 7 \times 9$                        |                                   | (1) |
| 6.4 $19 - (18 \div 3) = 13$                          |                                   | (1) |
| 6.5 $39 \div 3 \times 3 = 39$                        |                                   | (1) |
| 6.6 $(6 \times 4) + (6 \times 5) = 6 \times (4 + 5)$ |                                   | (1) |
| 7.1 $6 \times 13 = (6 \times 10) + (6 \times 3)$     |                                   | (1) |
| 7.2 $9 \times 14 = (9 \times 4) + (9 \times 10)$     |                                   | (1) |
| 7.3 $24 \times 32 = (4 \times 6) \times 32$          |                                   | (1) |
| 7.4 $34 \times 15 = (20 \times 15) + (14 \times 15)$ |                                   | (2) |

2.

7.5  $6 \times (5 + 7) = (6 \times 5) + (6 \times 7)$  (2)

8.1  $(12 \times 10) + (12 \times 5)$

- A.  $12 \times 50$       B.  $24 \times 15$       C.  $120 \times 60$       **D.  $12 \times 15$**

8.2  $13 \times (6 \times 7)$

- A.  $13 \times 42$**       B.  $13 \times 6 + 7$       C.  $13 \times 13$       D.  $13 \times 36$

8.3  $16 + (24 - 7)$

- A.  $16 \times 17$       B.  $16 + 24 - 7$       **C.  $16 + 17$**       D.  $16 + 23$  (3)

9.1 Oop getalsin:  $758 \div 9 = \square$

Bewerkings: 
$$\begin{array}{r} 84 \text{ res } 2 \\ 9 \overline{)758} \\ \underline{72} \phantom{0} \\ 38 \\ \underline{36} \\ 2 \end{array}$$

Antwoord: 2 aartappels bly oor. (5)

9.2 Oop getalsin:  $95 - (29 + 32) = \square$

Bewerkings:  $95 - 61 = \square$   
 $95 - 61 = 34$

Antwoord: 34 leerders in die derde klas. (4)

9.3 Oop getalsin:  $(240 \div 6) \times 9 = \square$

Bewerkings:  $40 \times 9 = \square$   
 $40 \times 9 = 360$

Antwoord: 360 g suiker is nodig. (4)

**Afdeling B – Vloeidiagramme:**

1.1

Invoer		Reël		Uitvoer
6	→	x 4	→	24
9	→		→	36
12	→		→	48
16	→		→	64

(4)

1.2

Invoer		Reël		Uitvoer
3	→	x 6	→	18
6	→		→	36
9	→		→	54
12	→		→	72

(4)

3.

1.3

Invoer		Reël		Uitvoer
3	→	x 9	→	27
5	→		→	45
9	→		→	81
13	→		→	117

(4)

1.4

Invoer		Reël		Reël	Uitvoer
12	→	÷ 2	→	x 5	30
16	→		→		40
26	→		→		65
30	→		→		75

(4)

2.1

Invoer		Reël		Uitvoer
4	→	x 7	→	28
6	→		→	42
9	→		→	63
13	→		→	91

(4)

2.2

Invoer		Reël		Reël	Uitvoer
18	→	÷ 6	→	x 2	6
30	→		→		10
42	→		→		14
72	→		→		24

(4)

2.3

Invoer		Reël		Reël	Uitvoer
39	→	÷ 3	→	+ 2	15
48	→		→		18
63	→		→		23
102	→		→		36

(4)

Afdeling C – Numeriese patrone

1.1

Invoergetal		2	3	4	7	11	15
Uitvoergetal	x3 + 2	8	11	14	23	35	47

(4)

1.2

Invoergetal		2	3	4	7	10	15
Uitvoergetal	x5 - 3	7	12	17	32	53	78

(4)

4.

1.3

<b>Invoergetal</b>		7	8	9	15	19	25
<b>Uitvoergetal</b>	- 3 x2	8	10	12	24	32	44

(4)

1.4

<b>Invoergetal</b>		2	3	4	7	11	15
<b>Uitvoergetal</b>	+2 x5	20	25	30	45	65	85

(4)

- 2.1 9; 14; 19; 24; 29; **34; 39 ...** Noem die reël **+ 5** (3)
- 2.2 51; 44; 37; 30; 23; **16; 9 ...** Noem die reël **- 7** (3)
- 2.3 1; 4; 16; 64; 256; **1 024; 4 096 ...** Noem die reël **x 4** (3)
- 2.4 3 125; 625; 125; 25; **5; 1 ...** Noem die reël **÷ 5** (3)
- 2.5 75; 150; 300; 600; **1 200; 2 400 ...** Noem die reël **Verdubbel** (3)
- 2.6 2; 5; 4; 8; 6; 11; **8; 14 ...** Noem die reël **Twee patrone + 2 en + 3** (3)

- 3.1 Voltooi die getalry 2; 8; 14; 20; **26; 32 ...**  
 Noem die reël **+ 6**  
Konstante verskil Konstante ratio Meer as 1 reël **[ONDERSTREEP]** (4)
- 3.2 Voltooi die getalry 243; 81; 27; 9; **3; 1 ...**  
 Noem die reël **÷ 3**  
 Konstante verskil Konstante ratio Meer as 1 reël **[ONDERSTREEP]** (4)
- 3.3 Voltooi die getalry 1; 2; 8; 9; 3; 4; **10; 11 ...**  
 Noem die reël **Twee patrone + 1 en + 1**  
 Konstante verskil Konstante ratio Meer as 1 reël **[ONDERSTREEP]** (4)
- 3.4 Voltooi die getalry 1; 4; 9; 16; **25; 36 ...**  
 Noem die reël **Getal vermenigvuldig met homself**  
 Konstante verskil Konstante ratio Meer as 1 reël **[ONDERSTREEP]** (4)

3.1

<b>Invoergetal</b>		1	2	3	7	11	20
<b>Uitvoergetal</b>	x4 - 1	3	7	11	27	43	79

Reël: **x4 - 1** (4)

3.2

<b>Invoergetal</b>		1	2	3	7	11	20
<b>Uitvoergetal</b>	x3 + 1	4	7	10	22	34	61

Reël: **x3 + 1** (4)

3.3

<b>Invoergetal</b>		1	2	3	7	11	20
<b>Uitvoergetal</b>	x2 + 6	8	10	12	20	28	46

Reël: **x2 + 6** (4)

3.4

<b>Invoergetal</b>		1	2	3	7	11	20
<b>Uitvoergetal</b>	x4 - 2	2	6	10	26	42	78

5.

Reël:  $x4 - 2$

(4)

3.5

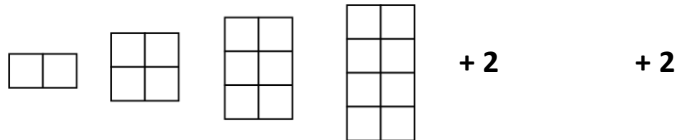
Invoergetal		1	2	3	7	11	20
Uitvoergetal	$x2 + 1$	3	5	7	15	23	41

Reël:  $x2 + 1$

(4)

**Afdeling D – Geometriese patrone**

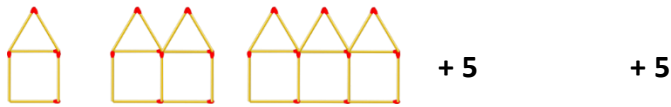
1.1



Patroon: + 2

(3)

1.2



Patroon: + 5

(3)

1.3



Patroon: + 2

(3)

2.1 2; 4; 8; 16; 32; **64**; **128**...

Patroon: **Verdubbel**

(3)

2.2 4; 8; 12; 16; 20; **24**; **28**...

Patroon: + 4

(3)

2.3 3; 9; 27; 81; 243; **729**; **2 187**...

Patroon: **x 3**

(3)

3.1



3.1.1 + 5 vuurhoutjies

(1)

3.1.2 Teken nog 'n huisie [vyfhoek] met + 5 vuurhoutjies

(1)

3.1.3

Diagram	1	2	3	4	6	9	12	
Vuurhoutjies	6	11	16	<b>21</b>	<b>31</b>	<b>46</b>	61	101

3.1.4  $x5 + 1$

(1)

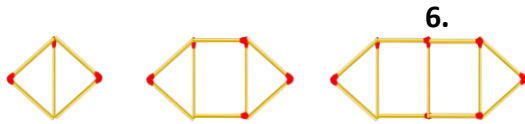
3.1.5 **31** en **46**

(2)

3.1.6 **61 - 1 = 60** en **60 ÷ 5 = 12**      **101 - 1 = 100** en **100 ÷ 5 = 20**

(2)

3.2



3.2.1 + 3 vuurhoutjies

(1)

3.2.2 Nog 'n reghoek van 3 vuurhoutjies word bygevoeg.

(1)

3.2.3

<b>Diagram</b>	1	2	3	4	8	12	<b>17</b>	<b>20</b>
<b>Vuurhoutjies</b>	5	8	11	<b>14</b>	<b>26</b>	<b>38</b>	53	62

3.2.4  $\times 3 + 2$

(1)

3.2.5 **26 en 38**

(2)

3.2.6  **$53 - 2 = 51$  en  $51 \div 3 = 17$      $62 - 2 = 60$  en  $60 \div 3 = 20$**

(2)

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