

SENTRUM VIR



Syferkunde

OPVOEDKUNDIGE

Wiskunde



STUDIES (EDMS) Bpk

Leierskap

[wdtwp572@gmail.com](mailto:wdtwp572@gmail.com)

083 654 1363

Hersiening

Inoefening

Vaslegging

## Graad 7 – Kwartaal 1 – Heelgetalle – 2024

### MEMORANDUM

- |      |  |         |  |     |
|------|--|---------|--|-----|
| 1.1  | $379 \approx 5 = 380$  | 1.2     | $899 \approx 5 = 900$                        |     |
| 1.3  | $4\ 037 \approx 5 = 4\ 035$                                      | 1.4     | $78\ 373 \approx 5 = 78\ 375$                |     |
| 1.5  | $321\ 535 \approx 5 = 321\ 535$                                  | 1.6     | $675\ 438 \approx 5 = 675\ 440$              | (6) |
| 2.1  | $749 \approx 10 = 750$   | 2.2     | $2\ 899 \approx 100 = 2\ 900$                |     |
| 2.3  | $34\ 037 \approx 1\ 000 = 34\ 000$                               | 2.4     | $98\ 376 \approx 1\ 000 = 98\ 000$           |     |
| 2.5  | $325\ 535 \approx 10\ 000 = 330\ 000$                            | 2.6     | $673\ 438 \approx 10\ 000 = 67\ 000$         |     |
| 2.7  | $4\ 321\ 535 \approx 100\ 000 = 4\ 300\ 000$                     | 2.8     | $3\ 675\ 438 \approx 100\ 000 = 3\ 700\ 000$ | (6) |
| 3.1  | 23 456; 23 546; 23 654; 32 456; 32 546; 32 654                   |         |  | (1) |
| 3.2  | 8 971; 8 791; 8 197; 7 891; 7 819; 7 198                         |         |  | (1) |
| 3.3  | $11 \times 55 = 605$   | 3.4     | $212 < 221$                                  |     |
| 3.5  | $2\ 357 < 2\ 537$  | 3.6     | $1\ 000 = 10 \times 10 \times 10$            |     |
| 3.7  | $18\ 042 > 18\ 024$  | 3.8     | $1 \times 2 \times 3 \times 0 = 0$           | (6) |
| 3.9  | Verdubbel 3 360  | 6 720   |  | (1) |
| 3.10 | Halveer 103 068  | 51 534  |  | (1) |
| 3.11 | Verdubbel 11 026   | 22 052  |  | (1) |
| 3.12 | Halveer 482 692  | 241 346 |  | (1) |
| 4.1  | 23; 26; 29; <b>32; 35</b> ; 38                                   |         |  | (2) |
| 4.2  | 195; 190; 185; <b>180; 175</b> ; 170                             |         |  | (2) |
| 4.3  | 475; 500; <b>525</b> ; 550; <b>575</b> ; 600                     |         |  | (2) |
| 4.4  | 2 340; 2 290; <b>2 240; 2 190</b> ; 2 140                        |         |  | (2) |
| 5.1  | $12 + 29 = \mathbf{29} + 12$                                     |         |  | (1) |
| 5.2  | $43 \times \mathbf{18} = 18 \times 43$                           |         |  | (1) |
| 5.3  | $(65 + 25) + 15 = 65 + (\mathbf{25} + 15)$                       |         |  | (1) |
| 5.4  | $9 \times (10 \times 6) = (\mathbf{9} \times 10) \times 6$       |         |  | (1) |
| 5.5  | $24 \times (15 + 35) = (24 \times 15) + (24 \times \mathbf{35})$ |         |  | (1) |
| 5.6  | $19 \times (28 + 76) = (\mathbf{19} \times 28) + (19 \times 76)$ |         |  | (1) |



### 3.

- 8.1 Noem al die ewe getalle 34; 8; 64; 28; 26; 10; 4 (1)  
8.2 Noem al die onewe getalle 19; 11; 31; 51; 27 (1)  
8.3 Noem al die saamgestelde getalle 34; 8; 64; 28; 51; 26; 27; 10; 4 (1)  
8.4 Noem al die priemgetalle 19; 11; 31 (1)  
8.5 Noem al die veelvoude van 4 in die getalry 8; 64; 28; 4 (1)  
8.6 Noem al die faktore van 64 in die getalry 4; 8; 64 (1)

#### Bepaal die KGV en GGF van die volgende getalle:

9.1 2 en 7 KGV  $V_2 = \{2; 4; 6; 8; 10; 12; 14; 16; 18\}$   
 $V_7 = \{7; 14\}$   
KGV = 14  
GGF  $F_2 = \{1; 2\}$   
 $F_7 = \{1; 7\}$   
GGF = 1 (6)

9.2 5 en 10 KGV  $V_5 = \{5; 10; 15; 20; 25; 30; 35; 40; 45; 50; 55\}$   
 $V_{10} = \{10; 20; 30; 40; 50; 55\}$   
KGV = 55  
GGF  $F_5 = \{1; 5\}$   
 $F_{10} = \{1; 2; 5; 10\}$   
GGF = 5 (6)

9.3 6 en 21 KGV  $V_6 = \{6; 12; 18; 24; 30; 36; 42; 48\}$   
 $V_{21} = \{21; 42\}$   
KGV = 42  
GGF  $F_6 = \{1; 2; 3; 6\}$   
 $F_{21} = \{1; 3; 7; 21\}$   
GGF = 3 (6)

9.4 9; 18 en 36 KGV  $V_9 = \{9; 18; 27; 36; 45\}$   
 $V_{18} = \{18; 36\}$   
 $V_{36} = \{36\}$   
KGV = 36  
GGF  $F_9 = \{1; 3; 9\}$   
 $F_{18} = \{1; 2; 3; 6; 9; 18\}$   
 $F_{36} = \{1; 2; 3; 4; 6; 9; 12; 18; 36\}$   
GGF = 9 (8)

- 10.1  $2 \times 5 \times 5 = 50$  (2)  
10.2  $2 \times 2 \times 3 \times 3 \times 3 = 108$  (2)  
10.3  $3 \times 11 \times 11 = 363$  (2)

4.

## KIDS GENIUS PROGRAM

### **Veerpyltjekombinasies**

$$20 + 20 + 10$$

$$20 + 25 + 5$$

$$20 + 15 + 15$$

$$25 + 25 + 0$$

$$25 + 15 + 10$$