

**JAARLIKSE NASIONALE ASSESSERING**

**GRAAD 5**

**WISKUNDE**

**2012 MODELVRAE TOETS**

**MEMORANDUM**

|  |  |  |  |  |  |
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| Basic Education LOGO  **GRAAD 4 WISKUNDE**  **JAARLIKSE NASIONALE ASSESSERING: 2012**  **MODELVRAE – TOETS MEMORANDUM** | | | | | |
| **VRAAG** | | | **VERWAGTE ANTWOORDE** | **PUNTE** | **TOTAAL** |
| *1.* | *1.1* | | C✓ | 1 | 5 |
| *1.2* | | C✓ | 1 |
| *1.3* | | B✓ | 1 |
| *1.4* | | C✓ | 1 |
| *1.5* | | B✓ | 1 |
| *2.* | | | 124 375 , 142 375, 214 375, 241 375✓ | 1 | 1 |
| *3.* | | | 328 040✓ | 1 | 1 |
| *4.* | | | 124 000✓ | 1 | 1 |
| *5.* | | | 4 ✓ ; 4 ✓ | 2 | 2 |
| *6.* | | | A 22 500✓  B 23 000✓ | 2 | 2 |
| *7.* | *7.1* | | ✓ | 1 | 2 |
| *7.2* | | 5 x (12-3)  = 5 x 9  =45✓ | 1 |
| *8.* | | | 40 ✓en 10✓ | 2 | 2 |
| *9.* | | | ✓ | 1 | 1 |
| *10.* | | | 7 ✓en 33✓ | 2 | 2 |
| *11.* | | | 8 x \_\_\_\_ = 96 of \_\_\_\_\_ x 8 = 96 of 96 ÷ 8✓ | 1 | 1 |
| *12.* | | *12.1* | 9 + = 9 +✓ = 10 ✓ | 3 | 12 |
| *12.2* | 2 8 9 7 4 1  + 4 6 2 3 0 6✓  7 5 2 0 4 7✓  **of**  200 000 + 80 000 + 9 000 + 700 + 40 + 1  + 400 000 + 60 000 + 2 000 + 300 + 0 + 6✓  700 000 + 50 000 + 2 000 + 0 + 40 + 7 = 752 047✓  **Aanvaar enige korrekte metode.** | 2 |
| *12.3* | 237  X 42  474✓  + 9480✓  9954✓  237 x 42  237 x 7 x 6✓  = 1659 x 6✓  = 9954✓  **Aanvaar enige korrekte metode.** | 3 |
| *12.4* | 18 h 34 min = 17h 94 min  - 12 h 55 min12h 55 min  5h✓ 39 min✓ | 2 |
| *12.5* | x = 3 x 9 ✓ = 27✓ | 2 |
| *13.* | | | Aantalsakke = 1 763 ÷ 43✓  ✓  172  43✓  43  0 | 3 | 3 |
| *14.* | | | 1. Afstand = 3,5 85 km✓   of   1. Afstand = 3 485m✓ | 2 | 2 |
| *15.* | | | 22:40✓ | 1 | 1 |
| *16.* | | | ✓  ✓ | 2 | 2 |
| *17.* | | | 4 vierkante✓ | 1 | 1 |
| *18.* | | | |  |  |  |  | | --- | --- | --- | --- | |  | Aantal  vierkante | Aantal  reghoeke | Naam van die 3 -D vorm | |  | 2✓ | 4✓ | Reghoekigeprisma✓ | | 3 | 3 |
| *19.* | | | 2 regtehoeke✓ | 1 | 1 |
| *20.* | | | Refleksie ofswaaiing✓ | 1 |  |
| *21.* | | *21.1* | ✓ | 1 | 3 |
| *21.2* | F✓ | 1 |
|  |  |
| *21.3* | C3✓ | 1 |
| *2.2* | | *22.1* | |  |  |  | | --- | --- | --- | | TV stasie | Telmerkies | Frekwensie | | SAUK 1 | **I**  **IIII**  ✓ | 6 | | SAUK 2 | ✓**II** | 2 | | SAUK 3 | ✓ **III** | 3 | | e-TV | **II**  **IIII**  ✓ | 7 | | 4 | 10 |
| *22.2* | 18✓ | 1 |
| *22.3* | e-tv  ✓ | 1 |
| *22.4* | ✓ 1 vir elke kolom | 4 |
| *23.* | | *23.1* | Moontlik✓ | 1 | 2 |
| *23.2* | Onmoontlik✓ | 1 |
| ***TOTAAL: 60*** | | | | | |