

Province of the

**EASTERN CAPE**

EDUCATION

**INTERMEDIÊRE**

**FASE**

**GRAAD 6**

**JUNIE 2010**

|  |
| --- |
| **WISKUNDE**  **NASIENGIDS** |

**PUNTE: 50**

**TYD: 1 uur**

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| --- |
| Hierdie Nasiengids bestaan uit 3 bladsye. |

|  |  |  |  |  |  |
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| **Vraag** | | | **Verwagte antwoord** | | **Punte** |
| 1 | Vyftig duisend √ | | | | 1 |
| 2 | 2.1 | | 86 000√ | | 1 |
| 2.2 | | 86 370√ | | 1 |
| 3 | 2,20√ | | | | 1 |
| 4 | 4.1 | 123 450√ | | | 1 |
| 4.2 | 9 876 543√ | | | 1 |
| 4.3 | 9 876 543-123 450=9 753 093√√ | | | 2 |
| 5 | 5.1 | 11/20√ | | | 1 |
| 5.2 | 11/20 X 100= 55%√√ | | | 2 |
| 5.3 | 55 = 0,55√√  100 | | | 1 |
| 6 | 72 | | | | 1 |
| 7 | 2/3+3/4+3/2 √ of  = 8/12+ 9/12+ 18/12√  = 35/12  = 2 11/12√  So sy benodig 3 rolle √ | | | 2/3+3/4+3/2√  = 2x4+3x3+3x6  12  = 8+9+18√  12  = 35  12  =2 11/12√ So sy benodig 3 rolle √ | 4  -1 as 3 rolle nie genoem word nie |
| 8 | 8.1 | | 600g√ | | 1 |
| 8.2 | | 600g/1000 = 0,6kg√ | | 1 |
| 8.3 | | 400g√ | | 1 |
| 9 | 6 695 x 1000 = 6 695 000m (1km =1000m) √ | | | | 1 |
| 10 | 10.1 | | 6x 250*mℓ* = 1 500*mℓ*√ | | 1 |
| 10.2 | | 1000*m*ℓ =1 liter  1500*mℓ* = 1500/1000 = 1,5 *ℓ* of 1½ *ℓ* √ | | 1 |
| 11 | 11.1 | | 5 weke √ | | 1 |
| 11.2 | | 35 dae √ | | 1 |
| 12 | 512 x 56 = R28 672 √√ ( Enige metode is aanvaarbaar ) | | | | 2 |
| 13 | 13.1 | | 26 is die verwagte antwoord vir stadium 5 √  enige metode wat gebruik word is aanvaarbaar | | 1 |
| 13.2 | | 1x5+1 =6 ( enige logiese metode is aanvaarbaar )  2x5+1=11  3x 5 +1=16  15x 5 +1 = 76 ( enige logiese metode is aanvaarbaar ) √ | | 1 |
| 13.3 | | 1x5+1 =6  2x5+1=11;  Enige getal wat vermenigvuldig word met 5√√ en tel dan 1 by √  Dus 5x n +1 of  enige redelike veralgemening | | 3 |
| 14 | 5 as die inset √ en 143√ as die uitset | | | | 2 |

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| 15 | |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Figuur** | **Naam** | **Getal oppervlakke** | **Getal hoekpunte** | **Getal rante** | |  |  | 6√ | 8√ |  | |  |  |  | 4√ | 6√ | | | 4 |
| 16 | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | | | 2  1 punt vir  elke  korrekte dimensie |
| 17 | 17.1 |  | 1 |
| 17.2 |  | 2  1 punt vir  Rotasie  1 punt vir  90º |
| 18 | 18.1 | |  |  |  | | --- | --- | --- | | **Stad** | **Telmerkies** | **Frekwensie** | | Durban | ~~////~~ ~~////~~ ~~////~~ ~~////~~ //// |  | | Kaapstad |  | 16√ | | Port Elizabeth |  |  | | Johannesburg |  |  | | 2 |
|  |  |  |  |
|  | 18.2 |  |  |
|  | LEERDERS WAT DIE 2010 FIFA WÊRELDBEKER BYWOON  0  5  10  15  20  25  30  35  DBN  KSD  PE  JHB  Getal leerders | | 5 punte  1 punte  vir elke kolom  1 punt vir die  korrekte skaal |
|  | | **TOTAAL:** | **50** |