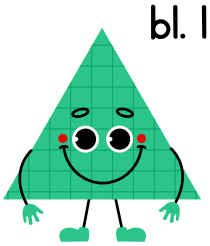
virtual au pair

# graad 4

# 2D vorms

- eienskappe van 2D vorms
- beskryf en benoem
- poligone
- teken 2D vorms
- 2D vorms in 3D figure



## vraag 1 : watter vorm se eienskap word hier genoem?

1.1) 'n Vorm met vier sye ewe lank en vier hoeke ewe groot. _____

1.2) Twee pare teenoorstaande sye ewe lank en vier hoeke ewe groot . _____

1.3) Drie reguit sye : _____

1.4) Vier sye ewe lank en teenoorstaande hoeke ewe groot . _____

1.5) 7 reguit sye : _____

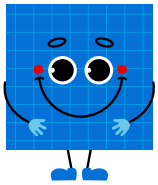
1.6) Vier reguit sye met aangrensende sye ewe lank : _____

1.7) 2D vorm met een geboë sye : _____

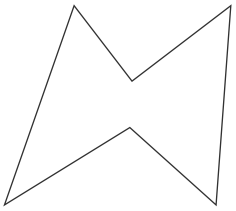
1.8) 8 reguit sye : _____

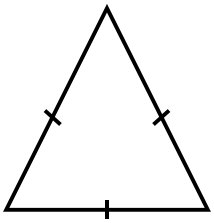
1.9) Vier reguit sye met een paar teenoorstaande sye ewewydig : _____

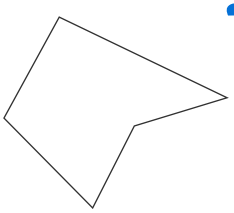
1.10) Vyf reguit sye , almal ewe lank : _____



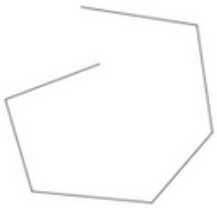
## vraag 2 : Skryf onder elke vorm : poligoon/nie poligoon.

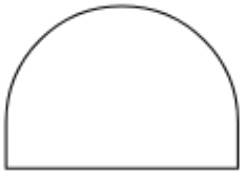


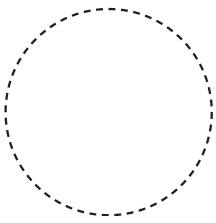




_____ _____ _____

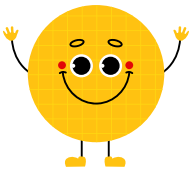


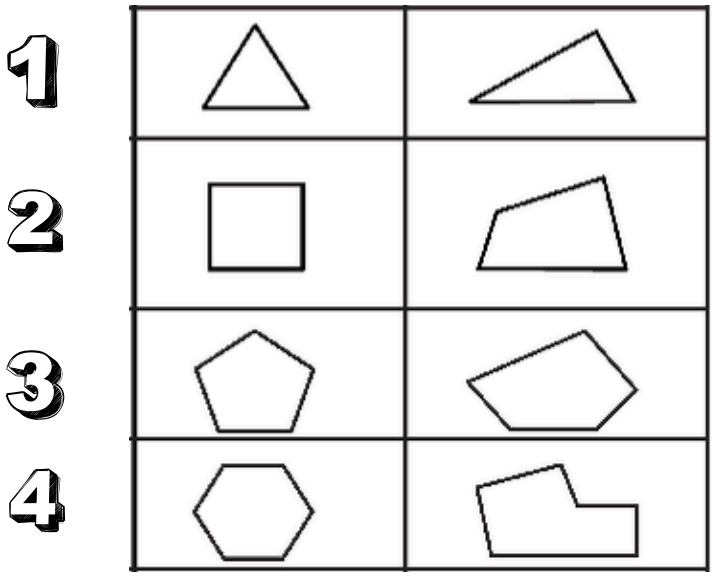




_____ _____ _____

## vraag 3 : Bestudeer die volgende tabel en beantwoord die vrae.






3.1 ) Is al die vorms in die tabel poligone ? Gee ‘n rede

_____

3.2) Watter kant van die tabel sal reëlmatige poligone wees ? Gee ‘n rede

_____

3.3) Wat word bedoel met onreëlmatige poligone ?

_____

3.4) Sal albei vorms in die derde ry pentagone genoem kan word ? Gee ‘n rede ?

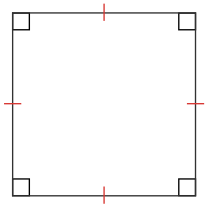
_____

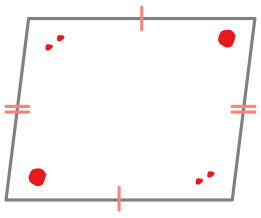
3.5) Gee ‘n gepasde naam vir elkeen van die vorms in ry 4 en verduidelik die verskil tussen die twee vorms. Die name van die vorms is nie presies dieselfde nie.

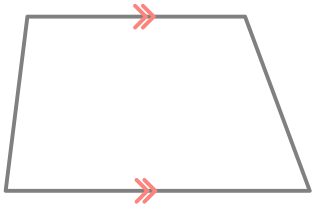
_____

_____

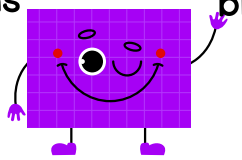
## vraag 4 : Benoem die vorm deur na die eienskappe te kyk wat gegee word.



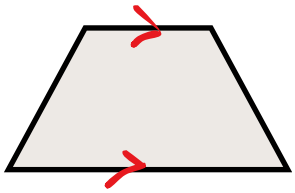
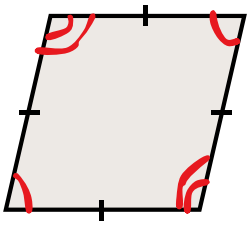
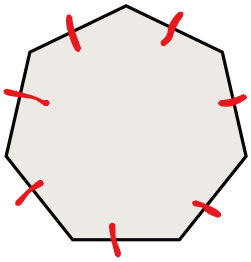
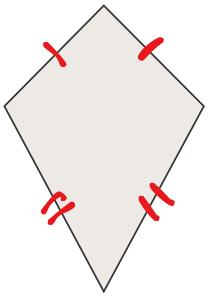




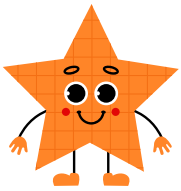
_____ _____ _____



## vraag 5 : Voltooi die tabel.

| vorm | hoeveel geboë sye<br>hoeveel reguit sye | eienskappe | reëlmatig of onreëlmatig |
|---|---|---|---|
|  <br>naam : _____ | | | |
|  <br>naam : _____ | | | |
|  <br>naam : _____ | | | |
|  <br>naam : _____ | | | |

## vraag 6 : bespreek verskille en ooreenkomste



6.1 ) Noem een ooreenkoms tussen ‘n vierkant en ‘n ruit .

_____

6.2) Noem een verskil tussen ‘n vierkant en ‘n ruit.

_____

6.3) Noem een ooreenkoms en een verskil tussen ‘n reghoek en ‘n parallelogram.

_____

_____

_____

6.4) Noem een verskil en een ooreenkoms tussen ‘n reëlmatige en onreëlmatige heksagoon.

_____

_____

_____

6.5) Noem een verskil en een ooreenkoms tussen ‘n vierkant en ‘n driehoek.

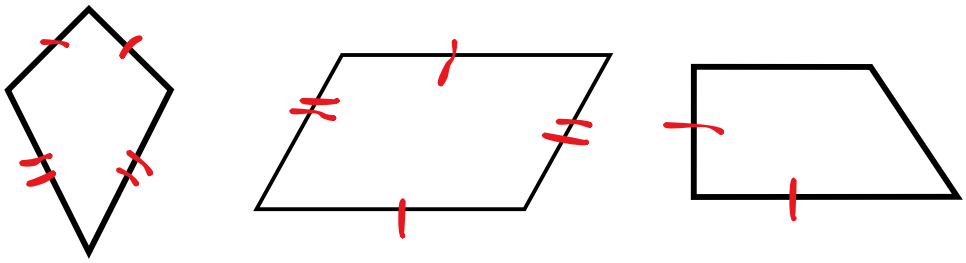
_____

_____

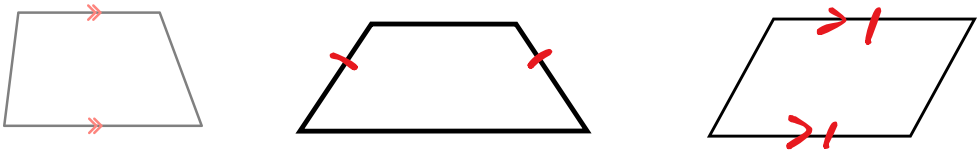
_____

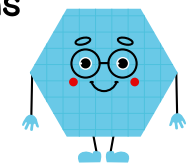
## vraag 7 : terme verwant aan eienskappe

7.1) Kies die vorms waar daar aangedui word dat aangrensende sye ewe lank is . Merk met ‘n kruis.

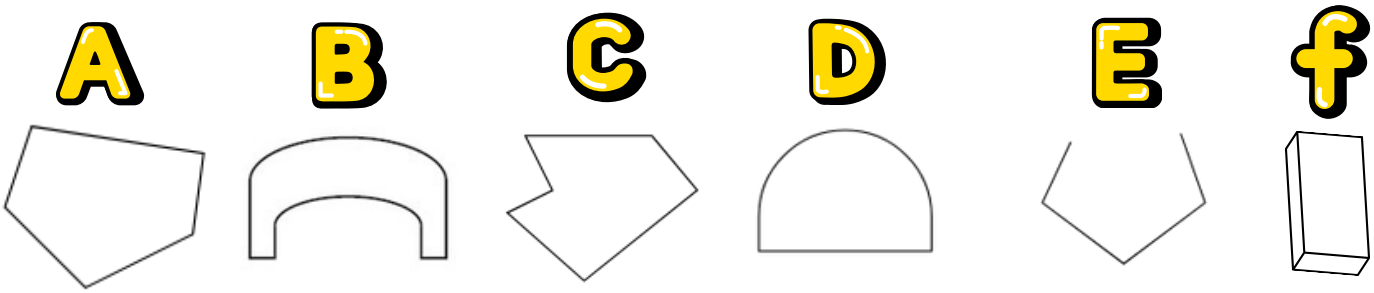


7.2) Watter vorm sal pas by die eienskap : een paar teenoorstaande sye ewe lank , maar nie ewewydig nie.





## vraag 8 : Bestudeer die vorms en beantwoord die vrae.




8.1) Watter vorms het geboë sye sowel as reguit sye ? _____

8.2) Watter vorms is poligone ? _____

8.3) Waarom sal vorm E nie as ‘n poligoon beskou word nie.

_____

8.4) Watter vorm is ‘n heksagoon ? _____

8.5) Watter vorm is ‘n pentagoon ? _____

8.6) Is F ‘n poligoon ? Gee ‘n rede

_____

## vraag 9 : Teken 2D vorms

9.1) Teken ‘n vryhandskets van ‘n ruit en ‘n vlieër en dui al die eienskappe aan.

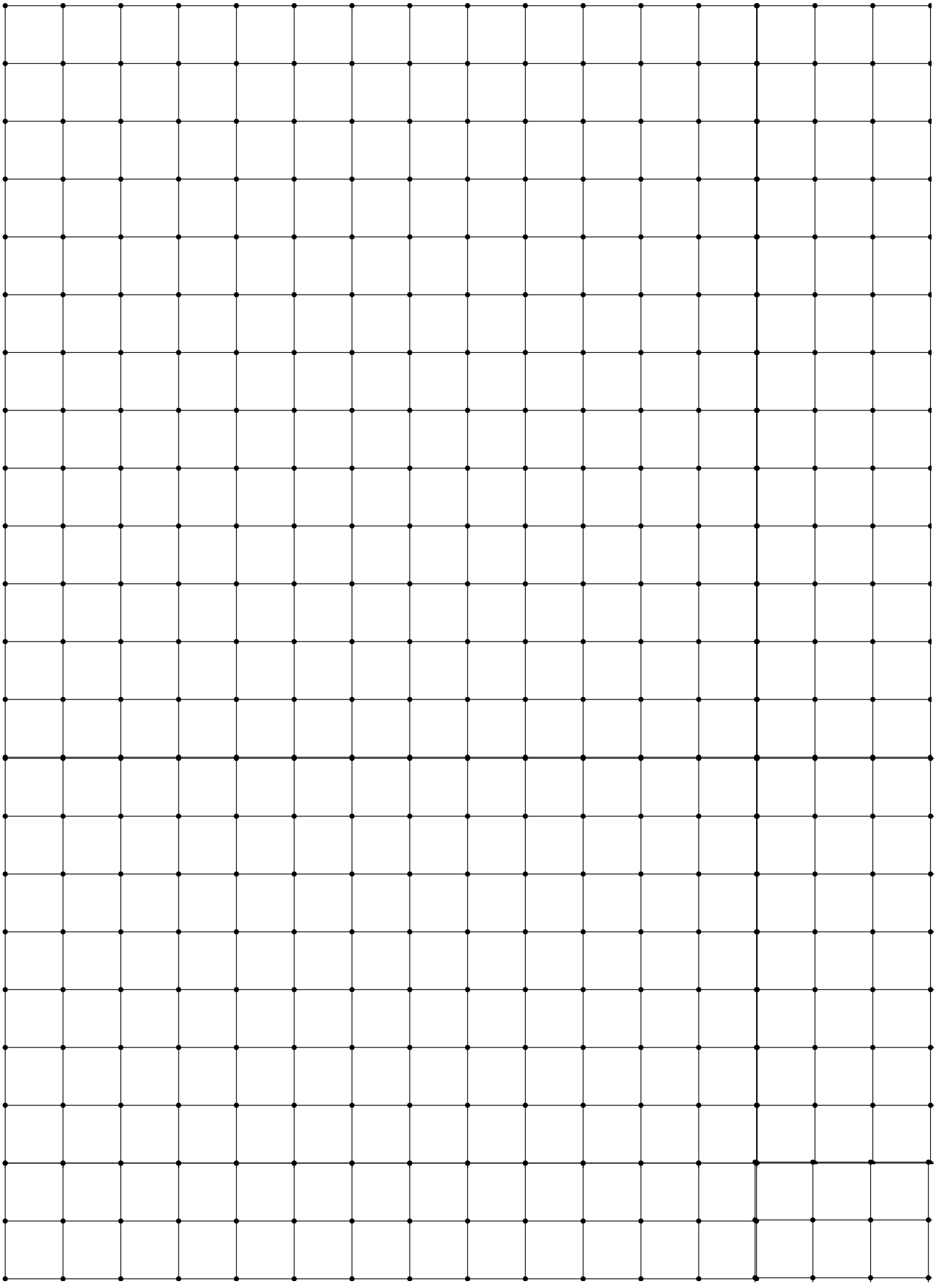
9.2) Gebruik die grafiekpapier op die volgende bladsy en teken die volgende :

a) ‘n vierhoek met sye elkeen 5 eenhede

b) ‘n Driehoek met ‘n basis van 5 eenhede en die ander twee sye albei 4 eenhede.

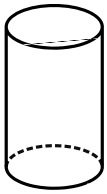
c) ‘n reghoek met lengte 6 en breedte 3

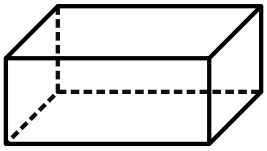
d) ‘n trapesium met ‘n basis van 8 en ‘n teenoorstaande sy van 4, kantsye van 3 elk

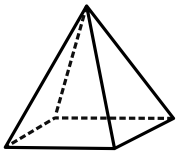


## vraag 10 : 2D vorm as basis van 3D vorms

10.1) Skryf die basis van elke 3D figuur onder .







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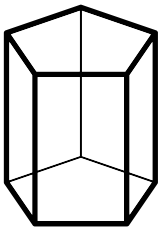
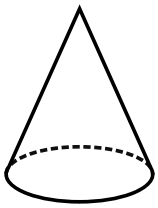
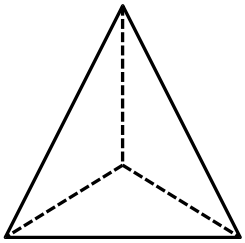
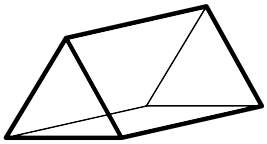


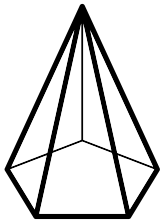


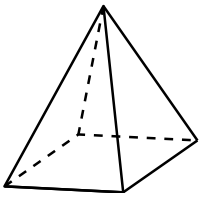


_____ _____ _____

10.2) Teken watter 2D vorms die 3D figuur sal bou.



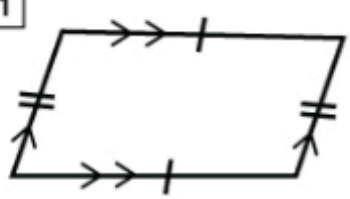




10.3) Indien jy 6 reëlmatige vierhoeke het, watter 3D figuur kan jy daarmee bou ?

_____

## vraag 11 : Benoem elke vorm

1 

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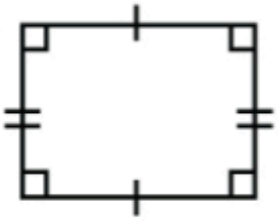
2 

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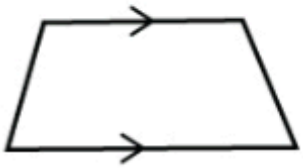
3 

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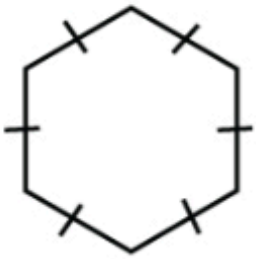
4 

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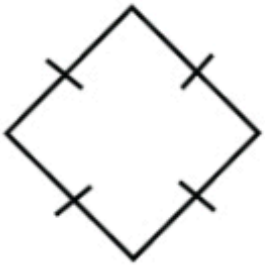
5 

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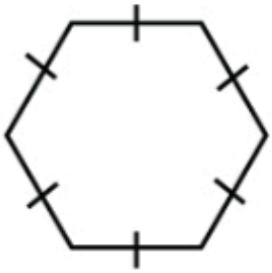
6 

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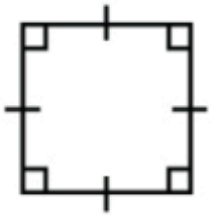
7 

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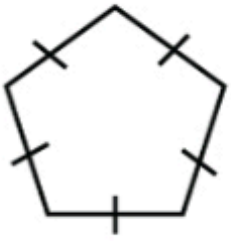
8 

_____

## vraag 12 : Dui aan hoeveel hoekpunte en reguit sye elke vorm het.

| | hoekpunte | reguit sye |
|---|---|---|
| 2 | _____ | _____ |
| 3 | _____ | _____ |
| 4 | _____ | _____ |
| 1 | _____ | _____ |