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Graad 6 – Kwartaal 3 – Lesing 3 – Oefenvraestel – 2026

Hersiening Inoefening Vaslegging

AFDELING A – LENGTE

1. a) 9 000 mm b) 8 m
c) 1 km d) 3 km
e) 6 500 mm f) 7 000 m
g) 1 260 mm h) 1,250 km
i) 70 mm j) 8 cm
- (10)

2.

	Lengte	Lengte in m en mm of km en m		Lengte in m / km
2.1	1 236 mm	1 m	236 mm	1,236 m
2.2	3 024 m	3 km	024 m	3,024 km
2.3	2 705 m	2 km	705 m	2,705 km
2.4	6 008 mm	6 m	8 mm	6,008 m
2.5	917 m	0 km	917 m	0,917 km
2.6	7 502 m	7 km	502 m	7,502 km

(16)

3. 6,3 cm; 5,9 cm; 6 cm; 5,8 cm; 5,1 cm
5.1 cm; 5,8 cm; 5,9 cm; 6 cm; 6,3 cm (2)

4. 6,18 km; 6,157 km; 6,5 km; 6,230 km; 6,73 km
6,73 km; 6,5 km; 6,230 km; 6,18 km; 6,157 km (2)

5.1	4 042	5.2	163,416	
	+ <u>9 567</u>		- <u>86,079</u>	
	13 609		77 337	(2)

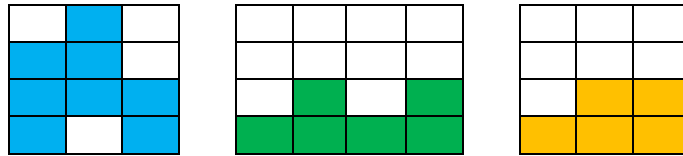
AFDELING B – 2D VORMS, SIMMETRIE en TRANSFORMASIE

1.

Naam	Parallele sye	Gelyke sye	Regtehoeke	Gelyke hoeke
Vierkant	2 Paar	4	4	4
Reghoek	2 paar	2 paar	4	4
Parallelogram	2 paar	2 paar	Geen	2 paar
Trapesium	2 paar	1 paar	Geen	2 paar
Ruit	2 paar	4	GEEN	2 paar

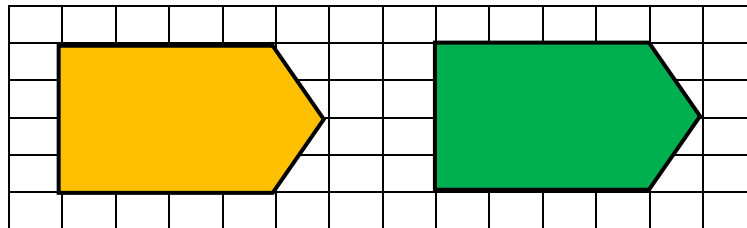
(10)

- $$\begin{aligned} 2.1 \quad & 360^\circ - (70^\circ + 70^\circ + 90^\circ) \\ & 360^\circ - 230^\circ \\ & \angle m = 130^\circ \end{aligned} \tag{3}$$



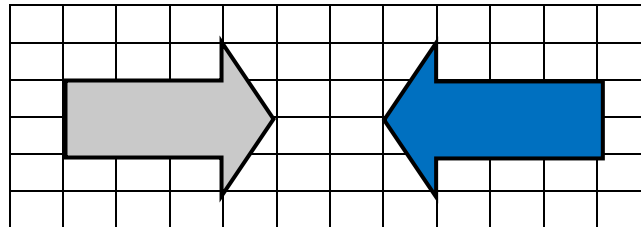
(3)

4.



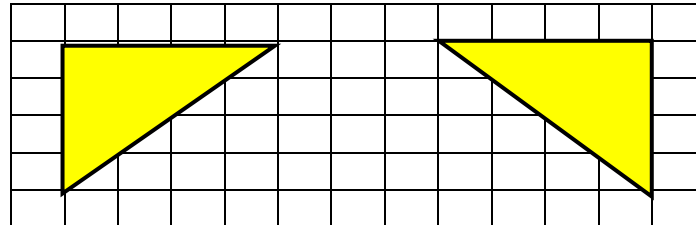
(1)

5.



(1)

6.



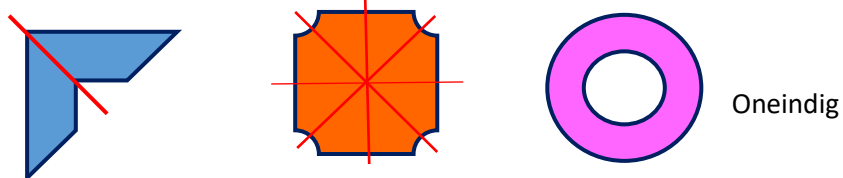
(1)

7.1 Orde 4

7.2 Orde 1

(2)

8.

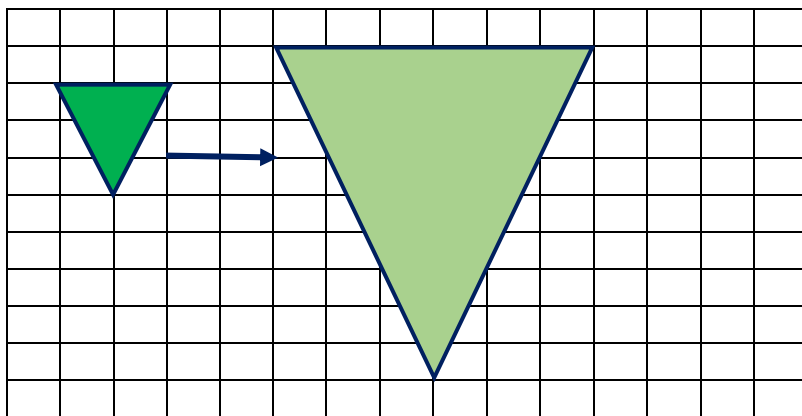


Oneindig

(3)

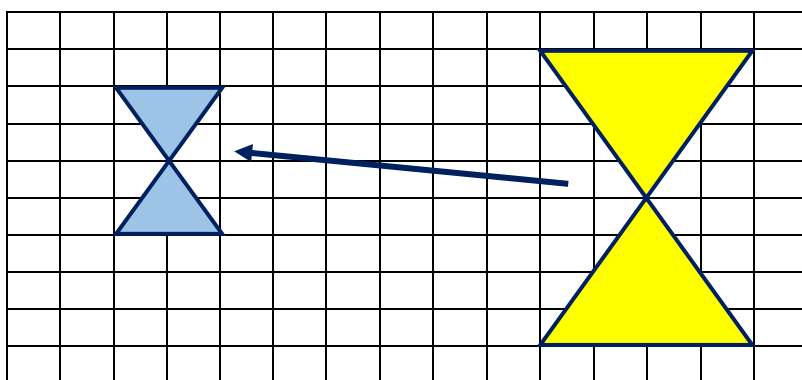
9. Vergroot die volgende vorm met 'n faktor van 3:

(2)



10. Verklein die volgende vorm met 'n faktor van 2:

(2)



AFDELING C – 3D VOORWERPE, OMTREK, OPPERVLAKTE en VOLUME

1.

(24)

3D voorwerpe	Aantal rande	Aantal hoekpunte	Vierkantige vlakke	Reghoekige vlakke	Driehoekige vlakke	Aantal geboë vlakke
Driehoekige piramide	6	4	0	0	4	0
Kubus	12	8	6	0	0	0
Reghoekige prisma	12	8	2	4	0	0
Driehoekige prisma	9	6	0	3	0	0
Silinder	2	2	0	0	0	1
Vierkantige piramide	8	5	1	0	4	0

2.1 Omtrek = $S_y + S_y + S_y + S_y$
 $= 3 + 6 + 2 + 8$
 $= 19 \text{ cm}$

(3)

$$\begin{aligned}
 2.2 \quad \text{Omtrek} &= Sy + Sy + Sy + Sy + Sy + Sy + Sy + Sy + Sy + Sy + Sy \\
 &= 2 + 12 + 6 + 6 + 2 + 6 + 2 + 4 + 10 + 4 \\
 &= 54 \text{ cm}
 \end{aligned}
 \tag{3}$$

$$\begin{aligned}
 3.1 \quad \text{Opp is Heles} &= 4 \text{ vierkante eenhede} \\
 \text{Halwes} &= 4 \text{ halwe eenhede} = 2 \text{ vierkante eenhede} \\
 \text{Opp} &= 6 \text{ vierkante eenhede}
 \end{aligned}
 \tag{3}$$

$$\begin{aligned}
 3.2 \quad \text{Opp} &= 6 \text{ cm} \times 2 \text{ cm} \\
 &= 12 \text{ cm}^2
 \end{aligned}
 \tag{2}$$

$$\begin{aligned}
 3.3 \quad \text{Opp} &= 6 \text{ cm} \times 2 \text{ cm} \\
 &= 12 \text{ cm}^2
 \end{aligned}
 \tag{2}$$

$$\begin{aligned}
 \text{Opp} &= 3 \text{ cm} \times 3 \text{ cm} \\
 &= 9 \text{ cm}^2
 \end{aligned}
 \tag{2}$$

$$\text{Antwoord} = 12 \text{ cm}^2 + 9 \text{ cm}^2 = 21 \text{ cm}^2
 \tag{1}$$

$$\begin{aligned}
 4.1 \quad \text{Vol} &= 4 \text{ cm} \times 5 \text{ cm} \times 5 \text{ cm} & 4.2 \quad \text{Vol} &= 3 \text{ cm} \times 4 \text{ cm} \times 6 \text{ cm} \\
 &= 20 \text{ cm} \times 5 \text{ cm} & &= 12 \text{ cm} \times 6 \text{ cm} \\
 &= 100 \text{ cm}^3 & &= 72 \text{ cm}^3
 \end{aligned}
 \tag{6}$$

$$5.1 \quad \text{Opp vlak 1} = 6 \text{ cm} \times 3 \text{ cm} = 18 \text{ cm}^2
 \tag{2}$$

$$5.2 \quad \text{Opp vlak 2} = 6 \text{ cm} \times 3 \text{ cm} = 18 \text{ cm}^2
 \tag{2}$$

$$5.3 \quad \text{Opp vlak 3} = 4 \text{ cm} \times 3 \text{ cm} = 12 \text{ cm}^2
 \tag{2}$$

$$5.4 \quad \text{Opp vlak 4} = 4 \text{ cm} \times 3 \text{ cm} = 18 \text{ cm}^2
 \tag{2}$$

$$5.5 \quad \text{Opp vlak 5} = 6 \text{ cm} \times 4 \text{ cm} = 24 \text{ cm}^2
 \tag{2}$$

$$5.6 \quad \text{Opp vlak 6} = 6 \text{ cm} \times 4 \text{ cm} = 18 \text{ cm}^2
 \tag{2}$$

$$\begin{aligned}
 \text{Som van vlakke:} \quad &1 + 2 + 3 + 4 + 5 + 6 \\
 &18 \text{ cm}^2 + 18 \text{ cm}^2 + 12 \text{ cm}^2 + 12 \text{ cm}^2 + 24 \text{ cm}^2 + 24 \text{ cm}^2 = 108 \text{ cm}^2
 \end{aligned}
 \tag{2}$$

$$\text{Buite-oppervlakte} = 108 \text{ cm}^2
 \tag{2}$$