

# WISKUNDE OEFEN EN VRAESTELBOEK



## GRAAD 7

KABV

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**OEFENING 1: TELGETALLE**

1. Skryf die plekwaarde van elke getal in 22 832 698,38.

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2. Skryf die getalwaarde van elke getal in 987 535 236,251.

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3. Skryf 669 526 285,365 in uitgebreide notasie.

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4. Rond af tot die naaste 5.

4.1 369 5611 353 : \_\_\_\_\_

4.2 365 152 566 : \_\_\_\_\_

4.3 222 333 111 : \_\_\_\_\_

4.4 369 199 234 : \_\_\_\_\_

4.5 999 999 987 : \_\_\_\_\_

5. Rond af tot die naaste 10.

5.1 325 211 539 : \_\_\_\_\_

5.2 369 221 325 : \_\_\_\_\_

5.3 365 235 236 : \_\_\_\_\_

5.4 369 846 221 : \_\_\_\_\_

5.5 444 555 237 : \_\_\_\_\_

6. Rond af tot die naaste 1 000.

6.1 36 297 539 : \_\_\_\_\_

6.2 99 986 325 : \_\_\_\_\_

6.3 236 523 232 : \_\_\_\_\_

6.4 253 212 221 : \_\_\_\_\_

6.5 365 236 237 : \_\_\_\_\_

**OEFENING 2: EKSPONENTE**

1. Skryf in uitgebreide notasie:

1.1  $2^4 =$  \_\_\_\_\_

1.2  $4^5 =$  \_\_\_\_\_

1.3  $3^6 =$  \_\_\_\_\_

1.4  $5^8 =$  \_\_\_\_\_

1.5  $10^3 =$  \_\_\_\_\_

2. Skryf in eksponensiële notasie:

2.1  $5 \times 5 \times 5 \times 5 \times 5 \times 5 =$  \_\_\_\_\_

2.2  $9 \times 9 \times 9 =$  \_\_\_\_\_

2.3  $8 \times 8 \times 8 \times 8 =$  \_\_\_\_\_

2.4  $10 \times 10 =$  \_\_\_\_\_

2.5  $5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5 =$  \_\_\_\_\_

3. Bereken:

3.1  $4^2 =$  \_\_\_\_\_

3.2  $3^3 =$  \_\_\_\_\_

3.3  $5^2 =$  \_\_\_\_\_

3.4  $6^2 =$  \_\_\_\_\_

3.5  $2^3 =$  \_\_\_\_\_

3.6  $\sqrt{36} =$  \_\_\_\_\_

3.7  $\sqrt[3]{64} =$  \_\_\_\_\_

3.8  $\sqrt{25} =$  \_\_\_\_\_

3.9  $\sqrt[3]{8} =$  \_\_\_\_\_

3.10  $\sqrt{100} =$  \_\_\_\_\_

4. Vervang  $\square$  met  $<$ ,  $>$  of  $=$ :

4.1  $2^3 \square 3^2$

4.2  $8^2 \square 4^3$

4.3  $3^2 \square 3^3$

4.4  $9^2 \square 9^3$

4.5  $3^1 \square 1^3$

4.6  $\sqrt{36} \square \sqrt[3]{64}$

4.7  $\sqrt{25} \square \sqrt[3]{125}$


4.8  $\sqrt{64} \square \sqrt[3]{64}$


4.9  $\sqrt{9} \square \sqrt[3]{8}$

4.10  $\sqrt{36} \square \sqrt[3]{27}$

**OEFENING 3: MEETKUNDE VAN REGUIT LYNE**

1. Benoem die volgende:

1.1 

1.2 

\_\_\_\_\_

\_\_\_\_\_

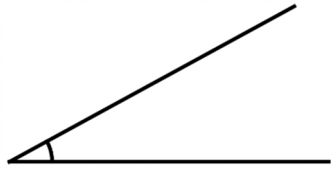
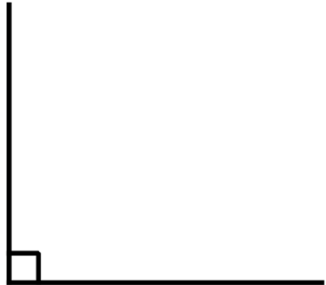
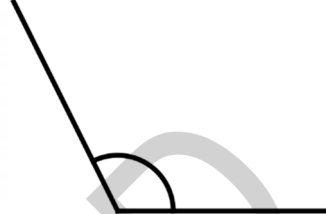



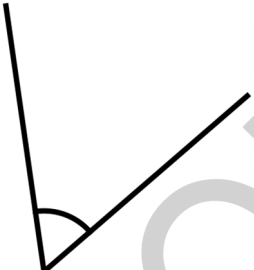


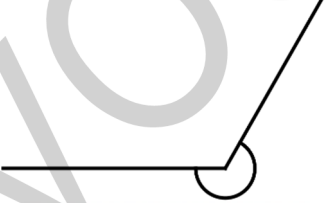
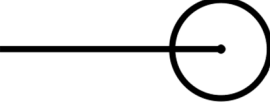

2. Teken  $CD \perp EF$ :

3. Teken  $AB \parallel CD$ :

VOORBEELD

**OEFENING 4: KONSTRUKSIES**

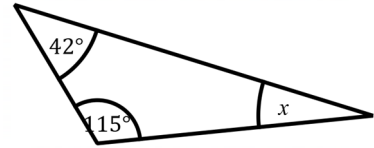
1. Skryf die naam van elke hoek onder die betrokke skets.

		
_____	_____	_____
		
_____	_____	_____
		
_____	_____	_____
		
_____	_____	_____

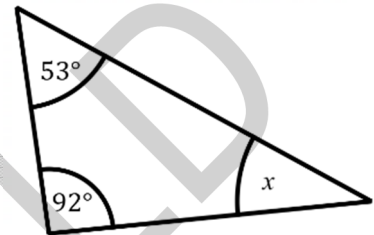
**OEFENING 5: MEETKUNDE VAN 2D VORMS**

1. Bereken die ontbrekende hoek(e) in elk van die volgende gevalle:

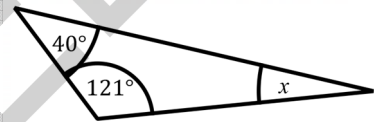
1.1 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



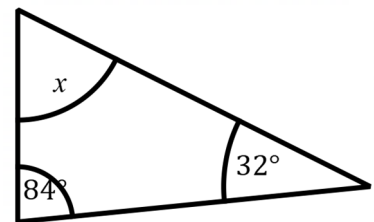
1.2 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



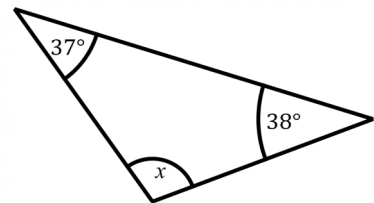
1.3 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



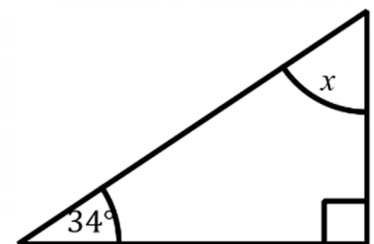
1.4 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



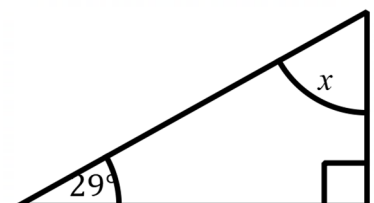
1.5 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



1.6 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



1.7 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



**OEFENING 6: GEWONE BREUKE**

1. Vul in kleiner as, groter as of gelyk aan:

$\frac{2}{3}$		$\frac{3}{4}$
$\frac{2}{3}$		$\frac{4}{7}$
$\frac{1}{2}$		$\frac{7}{9}$
$\frac{10}{11}$		$\frac{4}{7}$
$\frac{1}{5}$		$\frac{2}{10}$

2. Gee 'n ekwivalente breuk vir:

2.1  $\frac{4}{5} = \underline{\hspace{2cm}}$

2.2  $\frac{2}{5} = \underline{\hspace{2cm}}$

2.3  $\frac{1}{4} = \underline{\hspace{2cm}}$

2.4  $\frac{3}{10} = \underline{\hspace{2cm}}$

2.5  $\frac{5}{8} = \underline{\hspace{2cm}}$

3. Skryf die volgende gemengde getalle as onegte breuke:

3.1  $5\frac{1}{2} = \underline{\hspace{2cm}}$

3.2  $4\frac{1}{3} = \underline{\hspace{2cm}}$

3.3  $3\frac{1}{4} = \underline{\hspace{2cm}}$

3.4  $4\frac{1}{2} = \underline{\hspace{2cm}}$

3.5  $5\frac{1}{4} = \underline{\hspace{2cm}}$



**OEFENING 7: DESIMALE BREUKE**

1. Skryf die volgende breuke as desimale:

1.1  $\frac{1}{5} =$  \_\_\_\_\_

1.2  $\frac{1}{8} =$  \_\_\_\_\_

1.3  $\frac{3}{4} =$  \_\_\_\_\_

1.4  $\frac{3}{8} =$  \_\_\_\_\_

1.5  $\frac{3}{10} =$  \_\_\_\_\_

2. Skryf die volgende desimale as breuke:

2.1 0,6 = \_\_\_\_\_

2.2 0,25 = \_\_\_\_\_

2.3 0,36 = \_\_\_\_\_

2.4 0,005 = \_\_\_\_\_

2.5 0,668 = \_\_\_\_\_

3. Rangskik in stygende volgorde:

3.1 0,6; 0,06; 6; 0,66; 0,066  
\_\_\_\_\_

3.2 0,83; 8,3; 0,083; 0,883  
\_\_\_\_\_

4. Rangskik in dalende volgorde:

4.1 8,53; 0,853; 0,0853; 0,08  
\_\_\_\_\_

4.2 0,24; 0,42; 4,2; 2,4  
\_\_\_\_\_

5. Rond af tot twee desimale syfers:

5.1 8,536: \_\_\_\_\_

5.2 9,685: \_\_\_\_\_

5.3 10,351: \_\_\_\_\_

5.4 11,892: \_\_\_\_\_

5.5 135,3698: \_\_\_\_\_

**OEFENING 8: FUNKSIES EN VERWANTSKAPPE**

1. Voltooi die volgende:

Inset
8
10
12
14

Reël		
$\times \frac{1}{2}$		$+ 2\frac{1}{2}$

Uitset

2. Voltooi die volgende:

Inset

Reël		
$\times \frac{1}{2}$		$+ 2\frac{1}{2}$

Uitset
7
9
11
13

3. Voltooi die volgende:

Inset
1
2
3
4

Reël		

Uitset
5
7
9
11

4. Voltooi die volgende:

Inset
1
2
3
4

Reël		

Uitset
10
8
6
4

## OEFENING 9: OPPERVLAKTE EN OMTREK VAN 2D VORMS

1. Bepaal die omtrek en oppervlakte van elk van die volgende vorms:

1.1 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4 cm



1.2 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3 cm



1.3 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5 cm



1.4 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6 cm



1.5 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2 cm





Kopiereg 2023

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