



# BASISLYNASSESSERING

## GRAAD 9

Naam: \_\_\_\_\_

Member ID: \_\_\_\_\_

Tyd: 90 Minute

NO CALCULATOR.  
USE YOUR BRAIN.

Bereken:

1)  $2 + \underline{\hspace{2cm}} = 6$

7001

FOR  
MARK

2)  $3 + 5 = \underline{\hspace{2cm}}$

FOR  
MARK

3)  $16 + 8 = \underline{\hspace{2cm}}$

FOR  
MARK

4)  $27 + 18 = \underline{\hspace{2cm}}$

FOR  
MARK

7002

5)  $9 - 4 = \underline{\hspace{2cm}}$

FOR  
MARK

6)  $12 - 5 = \underline{\hspace{2cm}}$

FOR  
MARK

7)  $23 - 11 = \underline{\hspace{2cm}}$

FOR  
MARK

8)  $57 - 39 = \underline{\hspace{2cm}}$

FOR  
MARK

7003/4

9)  $-1 + 6 = \underline{\hspace{2cm}}$

FOR  
MARK

10)  $5 - 9 = \underline{\hspace{2cm}}$

FOR  
MARK

Bereken:

11)  $-5 \times 10 \times -3$

7005

FOR  
MARK

\_\_\_\_\_

12)  $28 \div -7 = \underline{\hspace{2cm}}$

FOR  
MARK

13)  $4 \times 3 + 6 \times 5$

7006

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FOR  
MARK

14)  $8 + 2 \times 9$

\_\_\_\_\_

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FOR  
MARK

15)  $-30 \div 10 \times 5 + 7$

7007

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FOR  
MARK

This test is mainly to identify the learner's problem areas. The final mark is only a rough estimation, as the weight of all the questions are 1 mark irrespective of number of steps.

99

99

16)  $3 \times 2 \times (72 \div 9) - 13$

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FOR  
MARK

17)  $\frac{2}{6}$  van 36 - 10

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7008

FOR  
MARK

18)  $4 \times 10 \div 5 \times (13 - 11)$

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7009

FOR  
MARK

19)  $5000 \text{ ml} = \underline{\hspace{2cm}} \text{ l}$

7010

FOR  
MARK

20)  $6 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

FOR  
MARK

21)  $6.52 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

7011

FOR  
MARK

22)  $59 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

FOR  
MARK

Rond af tot die naaste 10:

23)  $84 \approx \underline{\hspace{2cm}}$

7012

FOR  
MARK

24)  $167 \approx \underline{\hspace{2cm}}$

FOR  
MARK

Rond af tot die naaste 100:

25)  $2154 \approx \underline{\hspace{2cm}}$

FOR  
MARK

26)  $375 \approx \underline{\hspace{2cm}}$

FOR  
MARK

Rond af tot die naaste 1000:

27)  $6448 \approx \underline{\hspace{2cm}}$

FOR  
MARK

28)  $7835 \approx \underline{\hspace{2cm}}$

FOR  
MARK

Rond af tot die naaste heelgetal:

29)  $1,49 \approx \underline{\hspace{2cm}}$

7013

FOR  
MARK

30)  $14,621 \approx \underline{\hspace{2cm}}$

FOR  
MARK

Rond af tot 1 desimale plek:

31)  $12,53 \approx \underline{\hspace{2cm}}$

FOR  
MARK  
FOR  
MARK

32)  $67,397 \approx \underline{\hspace{2cm}}$

Rond af tot 2 desimale plekke:

33)  $56,235 \approx \underline{\hspace{2cm}}$

FOR  
MARK  
FOR  
MARK

34)  $8,3662 \approx \underline{\hspace{2cm}}$

Bepaal die priemfaktore:

35)  $81 =$

7014

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

FOR  
MARK

36)  $216 =$

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

FOR  
MARK

Bepaal die faktore:

37)  $40 :$

7015

\_\_\_\_\_

FOR  
MARK

38)  $36 :$

\_\_\_\_\_

FOR  
MARK

Bepaal die laagste gemene veelvoud:

39) 14 en 6:

7016

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\_\_\_\_\_  
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\_\_\_\_\_

FOR  
MARK

40) 4 en 5 en 8:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

FOR  
MARK

Bepaal die hoogste gemene faktor:

41) 24 en 40:

7017

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\_\_\_\_\_  
\_\_\_\_\_

FOR  
MARK

42) 12 en 30 en 36:

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\_\_\_\_\_  
\_\_\_\_\_

FOR  
MARK

Bepaal die ekwivalente breuke:

7019

43)  $\frac{5}{7} = \frac{\hspace{1cm}}{21}$

FOR  
MARK

44)  $\frac{2}{9} = \frac{8}{\hspace{1cm}}$

FOR  
MARK

Vereenvoudig:

45)  $\frac{35}{77} =$

FOR  
MARK

46)  $\frac{24}{80} =$

FOR  
MARK

Vul in <, > of =

47)  $\frac{3}{5} \frac{20}{25}$

\_\_\_\_\_

FOR  
MARK

48)  $\frac{7}{9} \frac{3}{5}$

\_\_\_\_\_

FOR  
MARK

Skryf as 'n gemengde breuk:

7020

49)  $\frac{11}{2} =$

FOR  
MARK

50)  $\frac{38}{5} =$

FOR  
MARK

Skryf as onegte breuk:

51)  $8\frac{2}{3} =$

FOR  
MARK

52)  $3\frac{9}{11} =$

FOR  
MARK

Bereken:

7021

53)  $\frac{5}{7} + \frac{4}{7} =$

FOR  
MARK

54)  $\frac{1}{6} + \frac{4}{9}$

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\_\_\_\_\_

FOR  
MARK

55)  $1\frac{1}{3} + 2\frac{3}{4}$

7022

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\_\_\_\_\_  
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FOR  
MARK

56)  $\frac{2}{3} \times \frac{5}{8}$

7023

\_\_\_\_\_

FOR  
MARK

57)  $\frac{7}{9}$  van 45

\_\_\_\_\_

FOR  
MARK

58)  $\frac{5}{9} \div \frac{1}{4}$

\_\_\_\_\_  
\_\_\_\_\_

FOR  
MARK

59)  $3\frac{3}{4} \div 2\frac{1}{16} \times 8\frac{1}{4}$

7024

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

FOR  
MARK

Verenvoudig:

8003

60)  $2^3 - \sqrt{4} - \sqrt{9}$

\_\_\_\_\_  
\_\_\_\_\_

FOR  
MARK

61)  $\sqrt{36 + 64}$

\_\_\_\_\_  
\_\_\_\_\_

FOR  
MARK

Verenvoudig:

8004

62)  $3a^5 \times 7a^3$

\_\_\_\_\_

FOR  
MARK

63)  $5a^3bc^3 \times (-2ab^2c^2)$

\_\_\_\_\_

FOR  
MARK

Verenvoudig:

8005

64)  $\frac{x^7}{x^3} =$

FOR  
MARK

65)  $\frac{12d^8e^5}{4d^6e^2} =$

FOR  
MARK

Verenvoudig:

8006

66)  $(x^2y^3)^2 =$

FOR  
MARK

67)  $(-5b^3c)^2 =$

FOR  
MARK

68)  $\left(\frac{3w^2xz}{2y}\right)^3 =$

FOR  
MARK

Skryf in uitgebreide notasie: 8008

69)  $5,38 \times 10^5$

\_\_\_\_\_

FOR MARK

Skryf in wetenskaplike notasie:

70) 74 200 000

\_\_\_\_\_

FOR MARK

71)  $3x - \frac{x^2}{3} - 7x^3 + 10$

8081

a) Hoeveel terme het die uitdrukking?

\_\_\_\_\_

FOR MARK

b) Wat is die veranderlike?

\_\_\_\_\_

8082

FOR MARK

c) Wat is die konstante term?

\_\_\_\_\_

FOR MARK

d) Wat is die koëfisiënt van  $x^3$ ?

\_\_\_\_\_

8083

FOR MARK

e) Wat is die graad van die uitdrukking?

\_\_\_\_\_

FOR MARK

f) Herrangskik die uitdrukking in dalende magte van  $x$ .

\_\_\_\_\_

8083

FOR MARK

Vereenvoudig:

72)  $5x + 2x$

\_\_\_\_\_

8084

FOR MARK

73)  $x^2 + 4xy + 2x + 3x^2 + 2xy$

\_\_\_\_\_

FOR MARK

Vereenvoudig:

74)  $6 \times a \times a \times a \times b \times b$

\_\_\_\_\_

8085

FOR MARK

75)  $(6g^2h)(2gh^3)$

\_\_\_\_\_

FOR MARK

Vereenvoudig:

76)  $3y \times 5 + 2y \times 4$

\_\_\_\_\_

8086

FOR MARK

77)  $x \times 3 + x \times 5 - x \times 9$

\_\_\_\_\_

FOR MARK

Maal uit:

78)  $3b(4a + 2b)$

\_\_\_\_\_

8087

FOR MARK

79)  $-6x(8x - 3x^2)$

\_\_\_\_\_

FOR MARK

80)  $3k(3 - k) + k(k + 2)$

\_\_\_\_\_

8088

FOR MARK

81) Trek  $3a^2 + 9a - 6$  af van  $4a^2 + 5a - 7$

\_\_\_\_\_

8089

FOR MARK

As  $x = -3, y = 3, z = 4$  bepaal:

82)  $12z - 20$

\_\_\_\_\_

8090

FOR MARK

83)  $\frac{5y - 3}{3x + 5}$

\_\_\_\_\_

FOR MARK

Vereenvoudig:

84)  $\frac{-6g^2h^5}{-3g^3h^4}$

8091

FOR MARK

\_\_\_\_\_

85)  $\frac{4a - 4b}{4}$

8092

\_\_\_\_\_

FOR MARK

\_\_\_\_\_

86)  $\frac{20x + 10x}{5x}$

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\_\_\_\_\_

FOR MARK

87)  $(3x^2)^3 \times (x^4)^2$

8093

\_\_\_\_\_

FOR MARK

\_\_\_\_\_

88)  $\sqrt{36x^8y^{14}}$

8094

FOR MARK

\_\_\_\_\_

89)  $\sqrt[3]{27g^{12}k^6}$

FOR MARK

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Los vir die volgende vergelykings op:

90)  $x + 4 = -7$

8026

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FOR MARK

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91)  $x + 5 - 12 = 0$

\_\_\_\_\_

FOR MARK

\_\_\_\_\_

92)  $4x = -36$

8027

FOR MARK

\_\_\_\_\_

93)  $\frac{x}{-6} = 12$

8028

FOR MARK

\_\_\_\_\_

94)  $\frac{3x}{5} = 6$

8029

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FOR MARK

95)  $\frac{5x}{3} - 12 = 8$

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FOR MARK

96)  $3x + 7 = 5x - 9$

8030

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FOR MARK

97)  $3x - 15 = -5x + 17$

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FOR MARK

98)  $4 - 2(x + 2) = 10$

8031

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FOR MARK

99)  $5(3x + 5) + 10 = -5(5 - x)$

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FOR MARK