

HOERSKOO

GRADE 8

WISKUNDE [Geeste Wrester] Tjona Ruus

LESPLANKEUR:

MOEDERHOER:

November

Puntel 100

1.1.1) 1, 2, 3, 4

✓✓

1.1.2) 3, 6

✓✓

1.1.3) 2, 4, 6, 8

✓✓

1.1.4) 2, 3, 5, 7

(8) ✓✓ [-1 per fout]

1.2) 2 678 879

(1) ✓ antw.

1.3) $30 + 8 \div 2 = 10$ (4) ✓
✓³⁰
✓⁸ plette 18
✓²
✓¹⁰ (4 of 0)1.4.1) $6 \times (9 - 8)$ ✓
✓⁶ ✓⁹ ✓⁸

6

(5) ✓
✓⁶1.4.2) $7^2 - 4$ ✓⁷ ✓⁴

49 - 4

✓⁴⁹

45

(4) ✓
✓⁴⁵1.3.2) $0,04 + 0,5$ (3) ✓
✓^{0,04} ✓^{0,5}

0,54

(3) ✓
✓^{0,54}1.5) $\frac{11}{100} \cdot \frac{50}{100} \cdot \frac{42}{100} \cdot \frac{80}{100} \cdot \frac{15}{100} \cdot \frac{32}{100}$ ✓
✓¹¹ ✓⁵⁰ ✓⁴² ✓⁸⁰ ✓¹⁵ ✓³²
✓¹⁰⁰ ✓¹⁰⁰ ✓¹⁰⁰ ✓¹⁰⁰ ✓¹⁰⁰ ✓¹⁰⁰ $\frac{4}{5} \cdot \frac{5}{10} \cdot \frac{43}{100} \cdot \frac{9}{25} \cdot \frac{3}{20} \cdot \frac{11}{100}$

(3) ✓✓ [-1 per fout]

1.6) 1 12300 of 92000

= 9,2 x 10⁴

(3) ✓ antw.

1.7)

3 1764

✓² $\sqrt{1764}$

3 882

✓³ $= \sqrt{2^2 \times 3^2 \times 7^2}$

3 441

✓⁷ $= 2 \times 3 \times 7$

3 147

✓ antw 42

 $= 42$

7 49

(4) ✓
7 7

1.8)

0,5 m : 250 cm

✓
50 cm : 250 cm

1 : 5

(2) ✓
1 : 51.9) $\frac{9}{5} \times \frac{45}{1} = 81$ ✓⁹ ✓⁴⁵
✓⁵ ✓¹ x 451.10) $\frac{4}{9} \times \frac{450}{1} = 200$ (3) ✓
✓⁴ ✓⁴⁵⁰
✓⁹ ✓¹ x 200 $\frac{5}{9} \times \frac{450}{1} = 250$ (4) ✓
✓⁵ ✓⁴⁵⁰
✓⁹ ✓¹ x 250

1.11.1) Wms = 325 - 250

(1) ✓ antw

= 75

1.11.2) $\frac{75}{250} \times \frac{100}{1} = 30\%$ (3) ✓
✓⁷⁵ ✓¹⁰⁰
✓²⁵⁰ ✓¹ x 301.12) $\frac{6}{15} = \frac{2}{5}$ (2) ✓
✓⁶ ✓²
✓¹⁵ ✓⁵

[50]

2.1.1) 4 (1) ✓

2.1.2) 5 (1) ✓

2.1.3) -4 (1) ✓

2.1.4) -2 (1) ✓

2.1.5) 1 (1) ✓

2.1.6) $-2(=1)(2) = (-1)^3(2)^2 + 3(-1)^2(2)^3 - 4$ ✓

$-2(-1)(2) = (-1)(4) + 3(1)(8) - 4$ ✓

$4 + 4 + 24 - 4$ ✓

28 (4) ✓

2.2.1) $P^2 q$ (2) ✓

2.2.2) $80x^2y^4$ (2) ✓

2.2.3) $-10x^2 = 5x + 100 + 12x^2 + 3x$ (3) ✓

$2x^2 - 2x + 100$ (3) ✓

2.2.4) $7p - 3q$ (2) ✓

2.2.5) $-8a^3b^6$ (3) ✓

2.3.1) $4x + 5 = 5x - 9$ ✓

$4x - 5x = -9 - 5$ ✓

$-x = -14$ (2) ✓

$x = 14$ ✓

2.3.2) $5x - 5 = 1 + 2x = 8$ ✓

$7x = 8 + 6$ ✓

$7x = 14$ ✓

$x = 2$ (4) ✓

2.3.3) $2x + 1 = 9$ ✓

$2x = 8$ ✓

$2x = 8$ ✓

$x = 3$ (2) ✓

2.4) $x + x + 1 + x + 2 = 33$ ✓

$3x = 30$ ✓

$x = 10$ ✓

10 11 12 (4) ✓

2.5) $x = 9$ (2) ✓

$y = 11$ ✓

2.6.1) $y = 3x + 1$ (2) ✓

$a = (22 - 1) \div 3 = 7$ (1) ✓

$b = 30 + 1 = 31$ (1) ✓

2.7.1) 6:00 (1) ✓

2.7.2) 7:30 (1) ✓

2.7.3) 1 uur (1) ✓

2.7.4) 9:00 (1) ✓

2.8.1)

| | | | | |
|----|----|----|---|---|
| -1 | 0 | 1 | 2 | 3 |
| -5 | -3 | -1 | 1 | 3 |

 (2) ✓

2.8.2

| | | | | |
|----|----|----|---|---|
| -1 | 0 | 1 | 2 | 3 |
| -5 | -3 | -1 | 1 | 3 |

 (4) ✓

$x = 14$ ✓

$x = 2$ (4) ✓

$x = 2$ (4) ✓

$x = 2$ (4) ✓

$x = 2$ (4) ✓

$x = 2$ (4) ✓

$x = 2$ (4) ✓

$x = 2$ (4) ✓

$x = 2$ (4) ✓

$x = 2$ (4) ✓

$x = 2$ (4) ✓

$x = 2$ (4) ✓

$x = 2$ (4) ✓

$x = 2$ (4) ✓

$x = 2$ (4) ✓