

## Uitwerkingen D-toets

$$\text{Leeftijd} = \frac{\text{kledingmaat} - 00}{6}$$

1  $\text{leeftijd} = \frac{104 - 00}{6} = 4 \text{ jaar}$

k	m	g	10	11	12	13	14	15	16
L	t	3	4	5	6	7	8	9	10

3 Je krijgt een mingetal.  
 $\text{leeftijd} = \frac{56 - 00}{6} \text{ k.n.}$

4  $\text{leeftijd} = \frac{100 - 00}{6} = 10 \text{ jaar}$

5a  $(6+3)^2 : 27 + u^2$   
 $(9)^2 : 27 + 16$   
 $81 : 27 + 16$

$$3 + 16 = 19$$

b  $\frac{(-8 + 6^2) : 7 \times 2^2}{4^2}$

$$\frac{(-8 + 36) : 7 \times 4}{16}$$

$$\frac{28 : 7 \times 4}{16}$$

$$\frac{4 \times 4}{16} = \frac{16}{16} = 1$$

$$6 \text{ a } \frac{(105 \cdot 16^2) + 12}{30 - 4^2}$$

$$\frac{(105 \cdot 256) + 12}{22}$$

$$0,72 + 12$$

$$22$$

$$12,72 = 0,58$$

$$b \frac{22}{(16^2 - 10 \cdot 5)^2}$$

$$\frac{22 - (14 \times 2)^2}{(256 - 3,6)^2}$$

$$22 - 784$$

$$63705,76 = -03,60$$

$$-762$$

$$7 \text{ aantal planten} = d^2 + 20$$

$$d = \text{tijd in dagen}$$

$$d = 5$$

$$\text{aantal planten} = 5^2 + 20$$

$$= 45 \text{ planten}$$

$$d = 10$$

$$\text{aantal planten} = 10^2 + 20$$

$$= 100 + 20$$

$$= 120 \text{ planten}$$

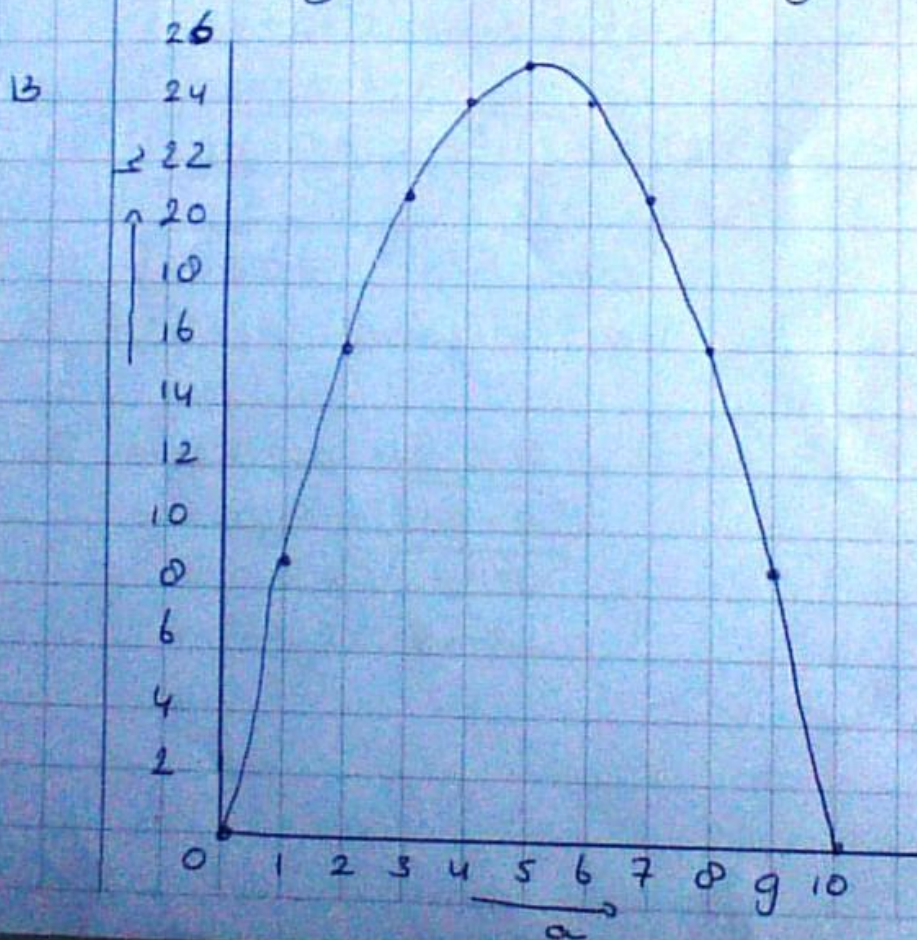
$$g \text{ 20 planten}$$

10.  $hoogte = 10a - a^2$   
 $a = 2$   
 $hoogte = 10 \cdot 2 - 2^2$   
 $= 20 - 4$   
 $= 16$  meter hoog

11.  $a = 6,5$   
 $hoogte = 10 \cdot 6,5 - 6,5^2$   
 $= 65 - 42,25$   
 $= 22,75$  meter

12.

a	0	1	2	3	4	5	6	7	8	9	10
h	0	9	16	21	24	25	24	21	16	9	0



14 25 meter.

15 10 meter.

$$16a \frac{(5^2 - 4^2) \times \sqrt{100 \cdot 4}}{(25 - 16) \times \sqrt{36}}$$

$$9 \times 6 = 54$$

$$b \frac{\sqrt{200-4} \times 2^2 \cdot \sqrt{16}}{\sqrt{196} \times 4 \cdot 4}$$

$$14 \times 4 \cdot 4 = 14$$

$$17a \frac{(12^3 - 10,45)^2 \times \sqrt{2000 \cdot 36}}{(1720 - 10,45)^2 \times \sqrt{7,78}}$$

$$2922561,203 \times 2,79 =$$

$$8153945,756$$

$$b \frac{\sqrt{155 + 13 \times 3^3}}{\sqrt{506}} : 125 \times 2^4$$

$$\sqrt{506} : 125 \times 16$$

$$\sqrt{506} : 2000$$

$$22,49 \cdot 2000 = 0,11$$

$$18 \text{ snelheid} = 0,0 \times \sqrt{125R}$$

$$s = 0,0 \times \sqrt{25 \cdot 50}$$

$$R = 50$$

$$s = 0,0 \times \sqrt{6250}$$

$$s = 63,25 \text{ km/u}$$

19

$$s = 0,0 \times \sqrt{125 \cdot 100}$$

$$s = 0,0 \times 111,80$$

$$s = 89,44 \text{ km/u}$$

nee Peterk reed 63,24 km/u

$63,24 \times 2 = 126,48 \text{ km/u}$  en geen

$89,44 \text{ km/u}$

20

R	0	10	20	30	40	50	60	70	80	90	100
S	0	28	40	50	57	63	69	75	80	85	89

21

