

## 4 Kwadraten en wortels

### Voorkennis Kwadraten

#### Bladzijde 136

- a**  $1^2 = 1$   
 $2^2 = 4$   
 $3^2 = 9$   
 $4^2 = 16$   
 $5^2 = 25$
- b**  $2,5^2 = 6,25$   
 $30^2 = 900$   
 $50^2 = 2500$   
 $100^2 = 10000$
- c**  $50^2 = 2500$   
 $0,5^2 = 0,25$   
 $300^2 = 90000$   
 $0,3^2 = 0,09$   
 $130^2 = 16900$
- d**  $6^2 = 36$   
 $7^2 = 49$   
 $8^2 = 64$   
 $9^2 = 81$   
 $10^2 = 100$
- e**  $11^2 = 121$   
 $12^2 = 144$   
 $13^2 = 169$   
 $14^2 = 196$   
 $15^2 = 225$
- f**  $16^2 = 256$   
 $17^2 = 289$   
 $18^2 = 324$   
 $19^2 = 361$   
 $20^2 = 400$
- g**  $1,3^2 = 1,69$   
 $0,13^2 = 0,0169$   
 $0,23^2 = 0,0529$   
 $1,5^2 = 2,25$

- h**  $(1\frac{1}{2})^2 = (\frac{3}{2})^2 = \frac{9}{4} = \frac{2}{4} + \frac{7}{4} = \frac{9}{4} = 2\frac{1}{4}$   
 $(2\frac{1}{2})^2 = (\frac{5}{2})^2 = \frac{25}{4} = \frac{4}{4} + \frac{21}{4} = \frac{25}{4} = 6\frac{1}{4}$   
 $(3\frac{1}{2})^2 = (\frac{7}{2})^2 = \frac{49}{4} = \frac{16}{4} + \frac{33}{4} = \frac{49}{4} = 12\frac{1}{4}$   
 $(4\frac{1}{2})^2 = \frac{9}{4} + \frac{36}{4} = \frac{45}{4} = 11\frac{1}{4}$   
 $(5\frac{1}{2})^2 = (\frac{11}{2})^2 = \frac{121}{4} = \frac{36}{4} + \frac{85}{4} = \frac{121}{4} = 30\frac{1}{4}$
- i**  $(\frac{3}{2})^2 = \frac{9}{4} = \frac{2}{4} + \frac{7}{4} = \frac{9}{4} = 2\frac{1}{4}$   
 $(\frac{5}{2})^2 = \frac{25}{4} = \frac{4}{4} + \frac{21}{4} = \frac{25}{4} = 6\frac{1}{4}$   
 $(\frac{7}{2})^2 = \frac{49}{4} = \frac{16}{4} + \frac{33}{4} = \frac{49}{4} = 12\frac{1}{4}$   
 $(\frac{9}{2})^2 = \frac{81}{4} = \frac{36}{4} + \frac{45}{4} = \frac{81}{4} = 20\frac{1}{4}$

#### Bladzijde 137

- a**  $9^2 = 81$   
 $(-9)^2 = 81$   
 $-9^2 = -81$   
 $6 \cdot 3^2 = 6 \cdot 9 = 54$   
 $-2 \cdot 9^2 = -2 \cdot 81 = -162$
- b**  $5 \cdot 3^2 = 5 \cdot 9 = 45 + 8 = 53$   
 $5 \cdot (2^2 + 8) = 5 \cdot (4 + 8) = 5 \cdot 12 = 60$   
 $(5 \cdot 2)^2 + 8 = 10^2 + 8 = 100 + 8 = 108$   
 $-3^2 = (-1)^2 = -9 - 1 = -10$   
 $-2 \cdot 4^2 = (-5)^2 = -2 \cdot 16 = -32 - 25 = -57$   
 $3^2 = (5 - 4^2) = 9 - (5 - 16) = 9 - -11 = 9 + 11 = 20$   
 $\frac{5}{2} \cdot 12^2 = \frac{5}{2} \cdot 9^2 = \frac{5}{2} \cdot 144 = \frac{5}{2} \cdot 81 = 72 + 27 = 99$   
 $-1\frac{1}{2} \cdot 8^2 = (-3)^2 = -1\frac{1}{2} \cdot 64 = 9 - 96 = 9 - 87$   
 $3 \cdot (5 - 7)^2 = (-2)^2 = 3 \cdot (-2)^2 = 4 = 3 \cdot 4 = 12 - 4 = 8$
- c**  $x = 3$  geeft  $y = 2 - 3^2 = 5 - 9 = -4$   
 $x = 0$  geeft  $y = 2 - 0^2 = 5 - 0 = 5$   
 $x = -4$  geeft  $y = 2 - (-4)^2 = 5 - 16 = -11$
- d**  $x = 6$  geeft  $y = -\frac{5}{12} \cdot 6^2 + 3 = -\frac{5}{12} \cdot 36 + 3 = -18 + 3 = -15$   
 $x = 0$  geeft  $y = -\frac{5}{12} \cdot 0^2 + 3 = -\frac{5}{12} \cdot 0 + 3 = 0 + 3 = 3$   
 $x = -12$  geeft  $y = -\frac{5}{12} \cdot (-12)^2 + 3 = -\frac{5}{12} \cdot 144 + 3 = -60 + 3 = -57$

# Getal En Ruimte D Toets Uitwerkingen 3 Vwo

**L. A. Reichard**



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

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web perform a diagnostic check to discover any fault codes coming from the knock sensor and other related parts of the engine once they confirm that the knock sensor is faulty they will fit a replacement knock sensor once replaced the mechanic will start the engine and recheck for fault codes view more symptoms

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web feb 14 2013 it s 300 because if i remember right the knock sensor is behind the exhaust manifold so you have to pull all of the heat shielding out remove the exhaust manifold replace the gasket then replace the sensor

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web oct 22 2006 technical vw audi 2 8l 12v vr6 engine forum replacing knock sensors jump to latest follow 1 12 of 12 posts

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web feb 22 2014 has anyone ever found a diy write up or video for replacing knock sensor 2 on a 1 8t would love to see how it s done before i undertake the project all of my searches have come up empty

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web mar 7 2014 cylinders 4 5 and 6 is the front knock sensor 2 so basically you started off by replacing the wrong knock sensor the one at the rear by the exhaust is knock sensor 1 for cylinders 1 2 and 3 something is going on with either cylinder 4 5 or 6 check your injectors and test them if you can

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web sep 29 2006 so i ve had a cel for months now started off giving codes of random misfiring and after replacing plugs

wires and coilpack still got the same codes

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web jan 24 2013 the knock codes your engine can generate are 16711 p0327 knock sensor 1 g61 signal too low check knock sensor possible symptoms irregular rpm driveability problems loss of power engine damage possible causes circuit g61 short to ground circuit g61 open g61 improperly torqued g61 damaged control module

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web jun 12 2023 unfortunately the easiest and quickest way to replace both sensors is to remove the fuel rail and intake manifold please see our articles on how to perform this work note you will need a special torque wrench to properly torque

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web jan 21 2010 concern of misfire versus knocking to retard timing issue service report from mechanic says misfire serious as opposed to management saying that it is a knock timing and thus just the sensor issuse sensor replacement should take care of the problem which is it

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web knock sensor repair or replace a failed knock sensor will often have no noticeable symptoms beyond a check engine light or engine ping or knock but it does cause your 2013 volkswagen jetta to operate inefficiently and produce higher emissions our technicians have access to manufacturer approved repair processes and volkswagen genuine parts

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web may 24 2009 im replacing the knock sensor closest to the alternator but i cant find a 2 0 16v in the wreckers somebody told me that u could use the sensor from the 1 8

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web anonymous contributor 2 answers on a 2006 vw beetle 2 5l 5 cylinder here in usa have 2 knock sensors the connector colors are green and grey and mounted staggered near each other at the rear of engine

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web sep 23 2023 where to get a new knock sensor for your vehicle one of the most common causes for a p0327 is a damaged knock sensor which means replacing it is your best bet at fixing the code thankfully replacing your knock sensor is easy with the help of carparts com you don t have to take a step outside your house to shop for a brand