



# Drukbare assesserings CAMI Wiskunde: Graad 4

1. Getalle, bewerkings en verwantskappe	
<b>1.1 HEELGETALLE:</b>	
<b>Optelling en aftrekking</b>	
1.1	Opbou en afbreek metode. (a) $484 + 537 + 273$ (b) $289 + 492 + 447$ (c) $116 + 384 + 145$
1.2	Afronding en kompensasie. (a) $26 + 95$ (b) $57 + 96$ (c) $25 + 15$
1.3	Verdubbel en halveer die getalle. (a) 25            (b) 40            (c) 15
1.4	Halveer die volgende getalle. (a) 248 (b) 306 (c) 480
1.5	Trek die volgende getalle af. (a) $724 - 321$ (b) $352 - 152$ (c) $973 - 322$
1.6	Pas die assosiatiewe eienskap toe. (a) $(78 + 24) + 16$ (b) $3 + (7 + 62)$ (c) $2 \times (5 \times 88)$
1.7	Pas die distributiewe eienskap toe. (a) $12(7 + 9)$ (b) $4(12 + 11)$
1.8	Pas die kommutatiewe eienskap toe. (a) $7 \times (20 \times 7)$ (b) $7 + (16 + 19)$



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## MEMO

### 1. Opbou en afbreek metode.. [1.7.10.2]

$$\begin{aligned} \text{(a)} \quad & 484 + 537 + 273 \\ & = (400 + 500 + 200) + (80 + 30 + 70) + (4 + 7 + 3) \\ & = (1\ 000) + (180) + (14) \\ & = 1\ 000 + (100 + 100) + (80 + 10) + 4 \\ & = 1\ 000 + 200 + 90 + 4 \\ & = 1\ 294 \end{aligned}$$

$$\begin{aligned} \text{(b)} \quad & 289 + 492 + 447 \\ & = (200 + 400 + 400) + (80 + 90 + 40) + (9 + 2 + 7) \\ & = (1\ 000) + (210) + (18) \\ & = 1\ 000 + 200 + (10 + 10) + 8 \\ & = 1\ 000 + 200 + 20 + 8 \\ & = 1\ 228 \end{aligned}$$

$$\begin{aligned} \text{(c)} \quad & 116 + 384 + 145 \\ & = (100 + 300 + 100) + (10 + 80 + 40) + (6 + 4 + 5) \\ & = (500) + (130) + (15) \\ & = (500 + 100) + (30 + 10) + 5 \\ & = 600 + 40 + 5 \\ & = 645 \end{aligned}$$

### 1.2 Afronding en kompensasie. [1.7.6.1]

$$\begin{aligned} \text{(a)} \quad & 26 + 95 \\ & = 26 + 4 + 95 - 4 \\ & = 30 + 91 \\ & = 121 \end{aligned}$$

$$\begin{aligned} \text{(b)} \quad & 57 + 96 \\ & = 57 + 3 + 96 - 3 \\ & = 60 + 93 \\ & = 153 \end{aligned}$$

$$\begin{aligned} \text{(c)} \quad & 25 + 15 \\ & = 25 + 5 + 15 - 5 \\ & = 30 + 10 \\ & = 40 \end{aligned}$$



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## 1.3 Verdubbel en halveer die getalle. [3.1.9.2]

- (a) 25       $25 \times 2 = 50$  /  $25 + 25 = 50$   
(b) 40       $40 \times 2 = 80$  /  $40 + 40 = 80$   
(c) 15       $15 \times 2 = 30$  /  $15 + 15 = 30$

## 1.4 Halveer die volgende getalle. [3.1.9.3]

- (a) 248      124  
(b) 306      153  
(c) 480      240

## 1.5 Aftrekking. [1.7.10.6]

- (a)  $724 - 321$   
     $= (700 - 300) + (20 - 20) + (4 - 1)$   
     $= 400 + 0 + 3$   
     $= 403$
- (b)  $352 - 152$   
     $= (300 - 100) + (50 - 50) + (2 - 2)$   
     $= 200 + 0 + 0$   
     $= 200$
- (c)  $973 - 322$   
     $= (900 - 300) + (70 - 20) + (3 - 2)$   
     $= 600 + 50 + 1$   
     $= 651$

## 1.6 Assosiatiewe eienskap. [1.7.7.1]

- (a)  $(78 + 24) + 16$   
     $= 78 + (24 + 16)$   
     $= 78 + 40$   
     $= 118$
- (b)  $3 + (7 + 62)$   
     $= (3 + 7) + 62$   
     $= 10 + 62$   
     $= 72$



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$$\begin{aligned} \text{(c)} \quad & 2 \times (5 \times 88) \\ & = (2 \times 5) \times 88 \\ & = 10 \times 88 \\ & = 880 \end{aligned}$$

### 1.7 Distributiewe eienskap. [1.7.7.4]

$$\begin{aligned} \text{(a)} \quad & 12(7 + 9) \\ & = (12 \times 7) + (12 \times 9) \\ & = 84 + 108 \\ & = 192 \end{aligned}$$

$$\begin{aligned} \text{(b)} \quad & 4(12 + 11) \\ & = (4 \times 12) + (4 \times 11) \\ & = 48 + 44 \\ & = 92 \end{aligned}$$

### 1.8 Kommutatiewe eienskap. [1.7.7.6]

$$\begin{aligned} \text{(a)} \quad & 7 \times (20 \times 7) \\ & = 7 \times (7 \times 20) \\ & = 7 \times 140 \\ & = 980 \end{aligned}$$

$$\begin{aligned} \text{(b)} \quad & 7 + (16 + 19) \\ & = 7 + (19 + 16) \\ & = 7 + 35 \\ & = 42 \end{aligned}$$