

TOETS EN FOUTENANALYSE

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NUTTIGE INFORMATIE

1 Handleiding

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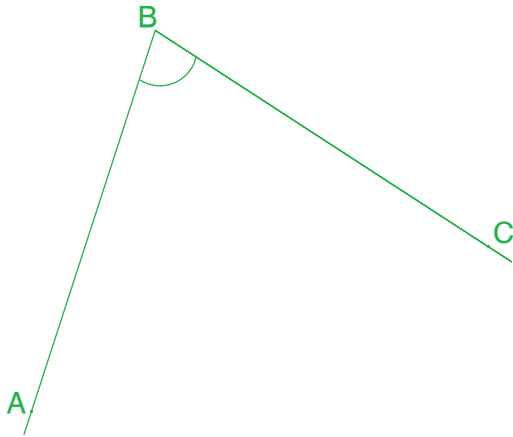
pagina 51: Maat, maatgetal en maateenheid

Metten en metend rekenen

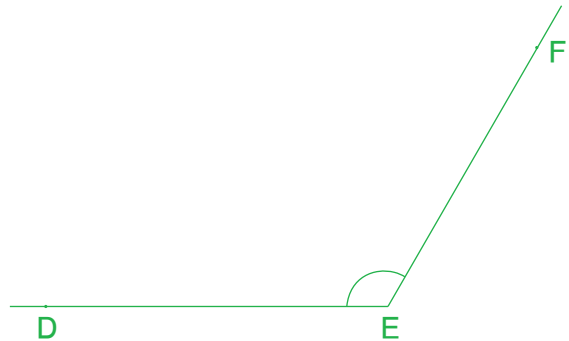
naam _____

3

Teken een hoek $\hat{A}BC$ van 75° .



Teken een hoek $\hat{D}EF$ van 120° .



4

Amar heeft zich goed voorbereid. Hij loopt de mijl in ongeveer vijf minuten.
Een mijl meet 1609 meter.
Vul eerst de tabel aan. Zet dan de afstand in de tabel. Herleid.

	km	100 m	10 m	m	dm	cm	mm	
een mijl →	1	6	0	9				= <u>1,609</u> km

1 mijl is **609** m langer dan 1 km.

1 mijl is **391** m korter dan 2 km.

5

Zoek de prijs per liter.

- 500 ml handcrème voor €1,35 → €2,70 per liter
- 250 ml verse kaas voor €1,99 → €7,96 per liter
- 6 l mineraalwater voor €3,54 → €0,59 per liter
- 750 ml afwasmiddel voor €3,21 → €4,28 per liter
- 300 ml luchtverfrisser voor €3,57 → €11,90 per liter



B




$$2 \times 1,35 = 2,70$$

$$4 \times 1,99 = 8 - 0,04 = 7,96$$

$$3,54 : 6 = 0,50 + 0,09 = 0,59$$

$$\begin{array}{l}
 : 3 \left\{ \begin{array}{l} 750 \text{ ml} \rightarrow \text{€}3,21 \\ 250 \text{ ml} \rightarrow \text{€}1,07 \end{array} \right. : 3 \\
 4 \times \left\{ \begin{array}{l} 1000 \text{ ml} \rightarrow \text{€}4,28 \\ \text{of } 1 \text{ l} \end{array} \right. 4 \times
 \end{array}$$

$$\begin{array}{l}
 : 3 \left\{ \begin{array}{l} 300 \text{ ml} \rightarrow \text{€}3,57 \\ 100 \text{ ml} \rightarrow \text{€}1,19 \end{array} \right. : 3 \\
 10 \times \left\{ \begin{array}{l} 1000 \text{ ml} \rightarrow \text{€}11,90 \\ \text{of } 1 \text{ l} \end{array} \right. 10 \times
 \end{array}$$

Metten en metend rekenen		naam _____
6	<p>Zoek de prijs per kilogram.</p> <p>250 g pralines voor €2,09 → €8,36 per kg</p> <p>750 g ontbijtgranen voor €2,19 → €2,92 per kg</p> <p>800 g prinsessenbonen voor €1,64 → €2,05 per kg</p> <p>600 gram waspoeder voor €6,51 → €10,85 per kg</p> <p>2,5 kg diepvriesfrietten voor €2,30 → €0,92 per kg</p>	
<p>B</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>$4 \times 250 \text{ g} = 1000 \text{ g} = 1 \text{ kg}$</p> <hr/> <p> $\begin{array}{l} : 3 \left\{ \begin{array}{l} 750 \text{ g} \rightarrow \text{€}2,19 \\ 250 \text{ g} \rightarrow \text{€}0,73 \end{array} \right. : 3 \\ 4 \times \left\{ \begin{array}{l} 1 \text{ kg} \rightarrow \text{€}2,92 \end{array} \right. : 4 \times \end{array}$ </p> <hr/> <p>$1,64 : 4 = 0,41 \quad 5 \times 0,41 = 2,05$</p> </div> <div style="text-align: center;"> <p>$6,51 : 3 = 2,17$</p> <hr/> <p>$2,17 \times 5 = 10,85$</p> </div> <div style="text-align: center;"> <p> $\begin{array}{l} : 5 \left\{ \begin{array}{l} 2,5 \text{ kg} \rightarrow \text{€}2,30 \\ 0,5 \text{ kg} \rightarrow \text{€}0,46 \end{array} \right. : 5 \\ 2 \times \left\{ \begin{array}{l} 1 \text{ kg} \rightarrow \text{€}0,92 \end{array} \right. : 2 \times \end{array}$ </p> </div> </div>		
7	<p>Zoek het verschil in gewicht</p> <ul style="list-style-type: none"> tussen 1,25 kg en 3/4 kg. <u>$1,25 \text{ kg} - 0,75 \text{ kg} = 0,5 \text{ kg}$</u> tussen 875 g en anderhalve kg. <u>$1,5 \text{ kg} - 0,875 \text{ kg} = 0,625 \text{ kg}$ of 625 g</u> 	
8	<p>Betaal gepast met zo weinig mogelijk biljetten en munten.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  <p>€79,-</p> <p>microgolfoven met grill</p> <p>biljetten:</p> <p><u>1 x €50</u> <u>1 x €20</u></p> <p><u>1 x €5</u></p> <p>munten:</p> <p><u>2 x €2</u></p> <p>Geef terug van 100 euro met zo weinig mogelijk biljetten en munten.</p> <p><u>1 x €1 (muntstuk)</u></p> <p><u>1 x €20 (biljet)</u></p> </div> <div style="width: 30%; text-align: center;">  <p>€224,-</p> <p>stoomkoker</p> <p>biljetten:</p> <p><u>1 x €200</u></p> <p><u>1 x €20</u></p> <p>munten:</p> <p><u>2 x €2</u></p> <p>Geef terug van 500 euro met zo weinig mogelijk biljetten en munten.</p> <p><u>1 x €1</u> <u>1 x €50</u></p> <p><u>1 x €100</u></p> </div> <div style="width: 30%;">  <p>€349</p> <p>vaatwasser</p> <p>biljetten:</p> <p><u>1 x €200</u> <u>1 x €100</u></p> <p><u>2 x €20</u> <u>1 x €5</u></p> <p>munten:</p> <p><u>2 x €2</u></p> <p>Geef terug van 500 euro met zo weinig mogelijk biljetten en munten.</p> <p><u>1 x €1</u> <u>1 x €50</u></p> <p><u>1 x €100</u></p> </div> </div>	

Meten en metend rekenen

naam _____

9

Zoek het temperatuurverschil

<i>in klas</i>	18 °C
<i>in de kelder</i>	6 °C
<i>in de diepvriezer</i>	-24 °C
<i>buiten</i>	4 °C
<i>in de koelkast</i>	3 °C
<i>in het vriesvak</i>	-3 °C

- tussen de temperatuur in de klas en buiten.

$$18\text{ °C} - 4\text{ °C} = 14\text{ °C}$$

- tussen de temperatuur in de koelkast en in het vriesvak (van de koelkast).

$$3\text{ °C} + 3\text{ °C} = 6\text{ °C}$$

- tussen de temperatuur in de diepvriezer en in de kelder.

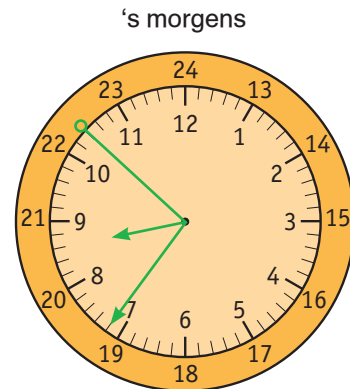
$$6\text{ °C} + 24\text{ °C} = 30\text{ °C}$$

10

Teken de wijzers op de klok.

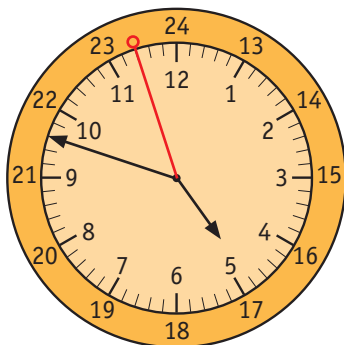
08 : 24 : 35

12 minuten en
17 seconden later



Vul het tijdstip op de digitale klok in.

na de middag



16 minuten en
3 seconden later

17 : 05 : 00

$$\begin{array}{r}
 16\text{ uur } 48\text{ minuten } 57\text{ seconden} \\
 + 16\text{ minuten } 3\text{ seconden} \\
 \hline
 16\text{ uur } 64\text{ minuten } 60\text{ seconden} \\
 \left. \begin{array}{l} \phantom{16\text{ uur }} \\ \phantom{16\text{ uur }} \end{array} \right\} \begin{array}{l} 16\text{ uur } 65\text{ minuten } 0\text{ seconden} \\ 17\text{ uur } 5\text{ minuten } 0\text{ seconden} \end{array}
 \end{array}$$

Meten en metend rekenen		naam _____																																																																																																																																																																																																																																						
<p>11</p> <p>Hoelang duurt de heenreis van Gent-St.-Pieters naar Namen? Je vertrekt 12 minuten voor de middag.</p> <p><u>11.48 → 13.20</u></p> <p><u>12 minuten (tot 12 uur) + 1 uur + 20 minuten</u></p> <p><u>= 1 uur 32 minuten.</u></p> <p>De rit duurt <u>1 uur en 32 minuten</u></p> <hr/> <p>Hoelang duurt de terugreis van Namen naar Gent-St.-Pieters? Je vertrekt in Namen om 8 voor half 7 's avonds.</p> <p><u>18.22 → 19.54</u></p> <p><u>19.54 – 18.22 = 1.32</u></p> <p>De rit duurt <u>1 uur en 32 minuten</u></p> <hr/> <p>Beide ritten samen duren</p> <p><u>2 uur en 64 minuten of 3 uur en 4 minuten</u></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Gent-St.-Pieters</th> <th colspan="2" style="text-align: center;">Namen</th> <th colspan="2" style="text-align: center;">Gent-St.-Pieters</th> </tr> <tr> <th style="text-align: center;">V heenreis</th> <th style="text-align: center;">A</th> <th style="text-align: center;">V terugreis</th> <th style="text-align: center;">A</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr><td style="text-align: center;">4.19</td><td style="text-align: center;">6.20</td><td style="text-align: center;">4.22</td><td style="text-align: center;">6.27</td><td colspan="2"></td></tr> <tr><td style="text-align: center;">4.47</td><td 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<p>12</p> <p>Kies de juiste maateenheid.</p> <p>Het gewicht van een klein brood is 400 g.</p> <p>De inhoud van een brikje melk is 20 cl of 200 ml.</p> <p>De oppervlakte van de salontafel is bijna 2 m².</p> <p>De afstand Gent-Namen is 115 km.</p> <p>Klein zusje meet 114 cm of 1 m en 14 cm.</p>																																																																																																																																																																																																																																								

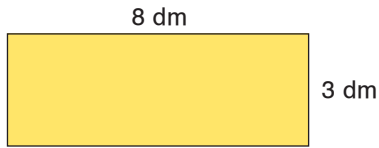


Meten en metend rekenen

naam _____

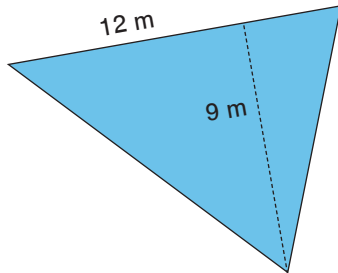
13

Bereken de oppervlakte van de figuren.



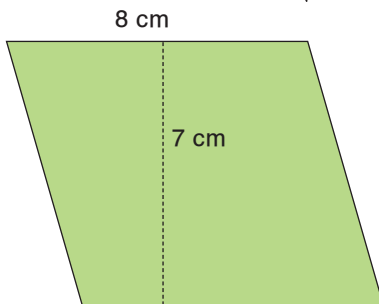
oppervlakte van de rechthoek

$$1 \text{ dm}^2 \times 8 \times 3 = 24 \text{ dm}^2$$



oppervlakte van de driehoek

$$1 \text{ m}^2 \times \frac{12 \times 9}{2} = 54 \text{ m}^2$$



oppervlakte van het parallellogram

$$1 \text{ cm}^2 \times 8 \times 7 = 56 \text{ cm}^2$$

Noteer de oppervlakte in de tabel en noteer anders:

	m ²	dm ²	cm ²	
opp. rechthoek →		24	00	= 2400 cm ²
opp. driehoek →	54	00		= 5400 dm ²
opp. parallellogram →		0	56	= 0,56 dm ²

14

Vul aan tot of verminder tot de aangeduide maat.

$$3/4 \text{ l} + 25 \text{ cl} = 1 \text{ l}$$

$$20 \text{ minuten} - 300 \text{ seconden} = 1 \text{ kwartier}$$

$$0,7 \text{ ton} - 200 \text{ kg} = 1/2 \text{ ton}$$

$$3/4 \text{ uur} - 15 \text{ minuten} = 1/2 \text{ uur}$$

$$0,9 \text{ m}^2 + 10 \text{ dm}^2 = 1 \text{ m}^2$$

$$0,50 \text{ euro} + 25 \text{ cent} = 0,75 \text{ euro}$$

$$3/4 \text{ kg} + 250 \text{ g} = 1 \text{ kg}$$

$$3/8 \text{ km} + 125 \text{ m} = 1/2 \text{ km}$$

$$875 \text{ ml} + \frac{1}{8} \text{ l} = 1 \text{ l}$$

$$1 \text{ m}^2 - 25 \text{ dm}^2 = 0,75 \text{ m}^2$$