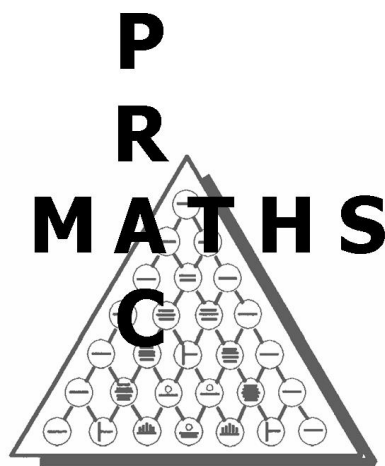


Gr 5

Supplementary Maths Aanvullende Wiskunde



ANSWERS ANTWOORDE

Set by / Opgestel deur
Seeliger ~ Mouton

Tel (012) 460 3907

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ANSWERS / ANTWOORDE			9. 91 10. 103	9. 582 10. 792	9. 782 10. 802	10. 565	10. 675			
A			Prac 12		Prac 13		Prac 23			
Mental Maths / Hoofrekene			1. 141 2. 251 3. 371 4. 591 5. 701 6. 153 7. 243 8. 373 9. 693 10. 703		1. 116 2. 246 3. 466 4. 686 5. 906 6. 136 7. 346 8. 476 9. 796 10. 906		a) 12 1 1 3	b) 2 4 1 3	c) 59 77 86 88	
Prac 1							Prac 24	Prac 25	Prac 26	
1. 1.9 6.6 2.9 7.4 3.9 8.700 4.8 9.6000 5.8 10.80000							1. 90 2. 120 3. 160 4. 120 5. 130 6. 130 7. 110 8. 130 9. 170 10. 140	1. 190 2. 280 3. 390 4. 570 5. 620 6. 20 7. 20 8. 50 9. 30 10. 60	1. 130 2. 120 3. 50 4. 160 5. 230 6. 90 7. 190 8. 230 9. 360 10. 580	
Prac 2			Prac 14				Prac 27			
1. 34 46 52 56 73 2. 375 385 735 785 875 3. 678 687 768 786 876 4. 2496 2946 4269 4629 4694 5. 3268 3286 3682 3826 3862			a) 38 37 49 86		b) 107 88 125 159		c) 77 48 89 116		1. 23 35 41 54 67	2. 26 43 55 62 69 79
Prac 3			Prac 15		Prac 16		Prac 28			
1. 96 78 69 43 25 2. 948 849 498 489 389 3. 765 675 567 375 367 4. 2673 2643 2386 2366 2336 5. 8724 8472 8427 8274 8247			1. 7 2. 13 3. 37 4. 49 5. 90 6. 4 7. 18 8. 49 9. 77 10. 90		1. 4 2. 29 3. 56 4. 87 5. 89 6. 26 7. 60 8. 78 9. 87 10. 89		1. 35 47 61 83 96		2. 92 109 125 147 164	
Prac 4			Prac 17		Prac 18		Prac 29			
1. < 3. < 5. > 7. < 9. <			1. 24 2. 48 3. 65 4. 76 5. 87 6. 0 7. 8 8. 36 9. 65 10. 77		1. 5 2. 18 3. 39 4. 67 5. 74 6. 17 7. 53 8. 65 9. 76 10. 8		1. 55 2. 94 3. 148 4. 164 5. 113 6. 246 7. 346 8. 278 9. 378 10. 371			
Prac 5			Prac 19		Prac 20		Prac 30			
1. 704 2. 684 3. 1012 4. 812 5. 1508 6. 1488 7. 6087 8. 5887 9. 25 795 10. 23 795			1. 123 2. 223 3. 433 4. 553 5. 673 6. 135 7. 237 8. 348 9. 459 10. 578		1. 127 2. 248 3. 369 4. 476 5. 497 6. 136 7. 249 8. 355 9. 467 10. 578		1. 28 2. 38 3. 49 4. 67 5. 33 6. 99 7. 93 8. 162 9. 278 10. 496			
Prac 6			Prac 21		Prac 22		Prac 31			
1. 11 2. 32 3. 60 4. 80 5. 93 6. 11 7. 42 8. 83 9. 90 10. 99			1. 129 2. 237 3. 346 4. 465 5. 578 6. 119 7. 228 8. 347 9. 454		1. 99 2. 218 3. 337 4. 464 5. 616 6. 159 7. 227 8. 348 9. 466		1. 60 53 49 2. 130 124 117 3. 237 234 232 4. 369 362 352 5. 503 483 433			
Prac 7			Prac 22							
1. 11 2. 32 3. 60 4. 80 5. 93 6. 11 7. 42 8. 83 9. 90 10. 99			1. 14 2. 45 3. 71 4. 103 5. 12 6. 42 7. 61 8. 85 9. 90 10. 103							
Prac 8										
1. 11 2. 32 3. 60 4. 80 5. 93 6. 11 7. 42 8. 83 9. 90 10. 99			1. 14 2. 45 3. 71 4. 103 5. 12 6. 42 7. 61 8. 85 9. 90 10. 103							
Prac 9										
1. 12 2. 55 3. 76 4. 103 5. 16 6. 36 7. 64 8. 85			1. 119 2. 229 3. 359 4. 479 5. 589 6. 132 7. 242 8. 362		1. 132 2. 252 3. 372 4. 482 5. 502 6. 142 7. 352 8. 572					
Prac 10										
1. 119 2. 229 3. 359 4. 479 5. 589 6. 132 7. 242 8. 362			1. 132 2. 252 3. 372 4. 482 5. 502 6. 142 7. 352 8. 572							
Prac 11										
1. 132 2. 252 3. 372 4. 482 5. 502 6. 142 7. 352 8. 572										

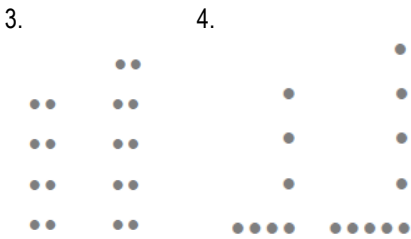
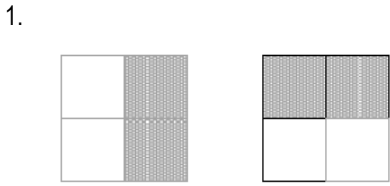


<p>Prac 32</p> <ol style="list-style-type: none"> 340 350 365 370 580 600 660 680 525 625 725 775 500 575 600 625 1600 1700 1900 2200 	<p>Prac 40</p> <ol style="list-style-type: none"> 4 40 40 400 40 400 4000 400 40 4000 400 40 	<p>Prac 51</p> <p>48 72 108 132 96 84 60 36 144 120</p>	<p>Prac 52</p> <p>90 0 84 0 72 88 11 108 0 132</p>	<p>Prac 53</p> <p>120 320 150 210 540 280 720 560 1320 600</p>	<p>Prac 54</p> <p>180 240 350 400 360 360 770 320 270 770</p>																																						
<p>Prac 33</p> <ol style="list-style-type: none"> 3550 3570 3600 3610 1740 1800 1820 1860 2420 2720 2820 3020 4680 4695 4700 4710 5083 5283 5583 5683 	<p>Prac 41</p> <table border="0"> <tr> <td>a)</td> <td>b)</td> </tr> <tr> <td>47</td> <td>10</td> </tr> <tr> <td>521</td> <td>10</td> </tr> <tr> <td>107</td> <td>10</td> </tr> <tr> <td>13</td> <td>40 000</td> </tr> <tr> <td>40</td> <td>70 000</td> </tr> <tr> <td>20</td> <td>500 000</td> </tr> </table>	a)	b)	47	10	521	10	107	10	13	40 000	40	70 000	20	500 000	<p>Prac 55</p> <table border="0"> <tr> <td>a)</td> <td>b)</td> <td>c)</td> <td>d)</td> </tr> <tr> <td>600</td> <td>180</td> <td>600</td> <td>900</td> </tr> <tr> <td>1500</td> <td>1800</td> <td>1200</td> <td>2400</td> </tr> <tr> <td>3200</td> <td>350</td> <td>2400</td> <td>2800</td> </tr> <tr> <td>5400</td> <td>3500</td> <td>1400</td> <td>2500</td> </tr> <tr> <td>2800</td> <td>1600</td> <td>7200</td> <td>3600</td> </tr> </table>				a)	b)	c)	d)	600	180	600	900	1500	1800	1200	2400	3200	350	2400	2800	5400	3500	1400	2500	2800	1600	7200	3600
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3200	350	2400	2800																																								
5400	3500	1400	2500																																								
2800	1600	7200	3600																																								
<p>Prac 34</p> <ol style="list-style-type: none"> 2800 ; 2900 ; 3000 3500 ; 3520 ; 3540 1800 ; 1850 ; 1900 4700 ; 4725 ; 4750 1876 ; 1976 ; 2076 5708 ; 5728 ; 5748 3191 ; 3391 ; 3591 8939 ; 9939 ; 10 939 4900 ; 5050 ; 5200 10 057 ; 11 257 ; 12 457 	<p>Prac 42</p> <ol style="list-style-type: none"> 2600 ; 2620 ; 2640 6320 ; 6300 ; 6280 1525 ; 1550 ; 1575 1700 ; 1675 ; 1650 27 070 ; 27 270 ; 27 470 87 253 ; 87 053 ; 86 853 44 675 ; 45 175 ; 45 675 78 200 ; 77 700 ; 77 200 39 423 ; 40 423 ; 41 423 61 870 ; 63 870 ; 65 870 	<p>Prac 56</p> <ol style="list-style-type: none"> 63 because/want $3 \times 1 = 3$ & $3 \times 20 = 60$ 84 because/want $3 \times 8 = 24$, $3 \times 20 = 60$ & $24 + 60 = 84$ 124 because/want $4 \times 1 = 4$, $4 \times 30 = 120$ & $4 + 120 = 124$ 85 because/want $5 \times 7 = 35$, $5 \times 10 = 50$ & $35 + 50 = 85$ 276 because/want $6 \times 6 = 36$, $6 \times 40 = 240$ & $36 + 240 = 276$ 378 because/want $7 \times 4 = 28$, $7 \times 50 = 350$ & $28 + 350 = 378$ 469 because/want $7 \times 7 = 49$, $7 \times 60 = 420$ & $49 + 420 = 469$ 288 because/want $8 \times 6 = 48$, $8 \times 30 = 240$ & $48 + 240 = 288$ 468 because/want $9 \times 2 = 18$, $9 \times 50 = 450$ & $18 + 450 = 468$ 657 because/want $9 \times 3 = 27$, $9 \times 70 = 630$ & $27 + 630 = 657$ 																																									
<p>Prac 35</p> <ol style="list-style-type: none"> 3600 ; 3500 ; 3400 4500 ; 4450 ; 4400 2320 ; 2300 ; 2280 1325 ; 1300 ; 1275 5800 ; 5775 ; 5750 6140 ; 5940 ; 5740 8370 ; 8170 ; 7970 6210 ; 5210 ; 4210 7710 ; 7210 ; 6710 5610 ; 4410 ; 3210 	<p>Prac 43</p> <p>15 21 16 16 9 24 30 35 27 8</p>	<p>Prac 44</p> <p>18 32 18 42 30 7 45 60 28 24</p>	<p>Prac 57</p> <p>84 115 549 252 424 294 133 162 370 738</p>																																								
<p>Prac 36</p> <table border="0"> <tr> <td>a)</td> <td>b)</td> </tr> <tr> <td>49</td> <td>53</td> </tr> <tr> <td>136</td> <td>89</td> </tr> <tr> <td>188</td> <td>211</td> </tr> <tr> <td>223</td> <td>366</td> </tr> <tr> <td>373</td> <td>487</td> </tr> </table>	a)	b)	49	53	136	89	188	211	223	366	373	487	<p>Prac 45</p> <p>56 35 80 48 36 90 32 14 54 56</p>	<p>Prac 46</p> <p>24 42 0 64 63 0 18 72 21 72</p>	<p>Prac 58</p> <p>146 114 126 204 272 105 175 426 516 287</p>	<p>Prac 59</p> <p>476 104 312 135 567 225 64 216 343 512</p>																											
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373	487																																										
<p>Prac 37</p> <table border="0"> <tr> <td>a)</td> <td>b)</td> <td>c)</td> <td>d)</td> </tr> <tr> <td>169</td> <td>325</td> <td>398</td> <td>473</td> </tr> <tr> <td>306</td> <td>734</td> <td>752</td> <td>757</td> </tr> <tr> <td>1587</td> <td>1800</td> <td>2731</td> <td>3435</td> </tr> <tr> <td>2912</td> <td>3340</td> <td>4862</td> <td>5084</td> </tr> </table>	a)	b)	c)	d)	169	325	398	473	306	734	752	757	1587	1800	2731	3435	2912	3340	4862	5084	<p>Prac 47</p> <p>3 6 9 12 15 18 21 24 27 30 6 12 18 24 30 36 42 48 54 60</p>	<p>Prac 60</p> <ol style="list-style-type: none"> 105 means/beteken $70 \times 15 = 1050$ 222 means/beteken $60 \times 37 = 2220$ 315 means/beteken $50 \times 63 = 3150$ 392 means/beteken $80 \times 49 = 3920$ 234 means/beteken $90 \times 26 = 2340$ 																					
a)	b)	c)	d)																																								
169	325	398	473																																								
306	734	752	757																																								
1587	1800	2731	3435																																								
2912	3340	4862	5084																																								
<p>Prac 38</p> <ol style="list-style-type: none"> 85 94 103 112 74 65 56 47 134 142 150 158 185 177 169 161 257 248 256 248 	<p>Prac 48</p> <p>4 8 12 16 20 24 28 32 36 40 8 16 24 32 40 48 56 64 72 80</p>	<p>Prac 50</p> <p>3 6 9 12 15 18 21 24 27 30 33 36 6 12 18 24 30 36 42 48 54 60 66 72 12 24 36 48 60 72 84 96 108 120 132 144</p>																																									
<p>Prac 39</p> <ol style="list-style-type: none"> 73 92 111 130 130 111 92 73 222 271 320 369 374 473 572 671 539 440 341 424 	<p>Prac 49</p> <p>3 6 9 12 15 18 21 24 27 30 9 18 27 36 45 54 63 72 81 90</p>																																										



Prac 61 1. 684 2. 636 3. 648 4. 1308 5. 765 6. 1308 7. 1778 8. 2760 9. 3132 10. 4158				Prac 73 4 r 7 6 r 3 10 r 9 17 r 1 23 r 6 1 r 6 3 r 5 6 r 5 8 r 8 11 r 4	Prac 74 1 r 8 3 r 7 4 r 5 5 r 11 7 r 5 8 r 5 9 r 3 10 r 9 11 r 5 12 r 7	Prac 75 1 r 3 4 r 1 6 r 3 9 r 1 11 r 3 3 r 1 4 r 5 6 r 3 8 r 1 9 r 5	Prac 76 2 r 4 4 r 0 5 r 3 6 r 6 8 r 2 1 r 5 4 r 1 6 r 5 9 r 1 11 r 5	Prac 86 1. 10 1 2. 14 6 3. 1 11 4. 4 10 5. 18 15 6. 33 7 7. 2 21 8. 13 17									
Prac 62 1. 1071 means/beteken $30 \times 357 = 10\ 710$ 2. 4308 means/beteken $60 \times 718 = 43\ 080$ 3. 3056 means/beteken $80 \times 382 = 30\ 560$ 4. 1286 means/beteken $200 \times 643 = 128\ 600$ 5. 2268 means/beteken $400 \times 567 = 226\ 800$				Prac 77 3 r 8 6 r 1 8 r 3 10 r 5 12 r 7 2 r 2 4 r 10 7 r 7 10 r 4 12 r 2	Prac 78 2 r 2 5 r 6 8 r 10 11 r 4 12 r 2 10 r 1 8 r 7 7 r 8 6 r 5 5 r 11	Prac 79 5 9 3 67 93 89 3 4 2 9	Prac 87 1. 2. A quadrilateral/vierhoek A triangle/ driehoek A pentagon/ pentagoon A hexagon/ heksagoon										
Prac 63 1. 54 means/beteken $54 \div 9 = 6$ & $54 \div 6 = 9$ 2. 56 means/beteken $56 \div 7 = 8$ & $56 \div 8 = 7$ 3. 45 means/beteken $45 \div 5 = 9$ & $45 \div 9 = 5$ 4. 32 means/beteken $32 \div 8 = 4$ & $32 \div 4 = 8$ 5. 84 means/beteken $84 \div 7 = 12$ & $84 \div 12 = 7$				a) 60 90 110 50 150		b) 200 250 300 405 500		Prac 88 1. 2. a) 5 b) 6 3. a) 5 b) 2									
Prac 64 7 7 8 9 9 7 12 11 6 12	Prac 65 6 4 3 11 8 8 12 3 5 12	Prac 66 8 7 5 6 9 9 8 12 7 6	Prac 67 11 12 6 6 5 0 3 12 4 11	Prac 69 4 r 1 7 r 1 13 r 1 19 r 1 23 r 0 3 r 2 5 r 1 8 r 1 11 r 1 13 r 0	Prac 70 1 r 2 3 r 3 5 r 1 7 r 3 11 r 3 2 r 2 3 r 3 5 r 2 8 r 2 16 r 0	Prac 71 3 r 1 5 r 5 7 r 5 9 r 4 11 r 5 2 r 5 5 r 3 6 r 4 8 r 4 11 r 4	Prac 72 2 r 5 6 r 2 7 r 3 8 r 5 12 r 2 2 r 2 6 r 1 8 r 5 9 r 3 11 r 2	Prac 80 1. 07:00 2. 19:00 3. 09:20 4. 21:20 5. 02:50 6. 14:50 7. 09:35 8. 21:35 9. 03:45 10. 15:45		Prac 81 1. 2h30min 2. 2h30min 3. 1h40min 4. 1h20min 5. 2h30min 6. 3h30min 7. 2h10min 8. 2h40min 9. 2h15min 10. 1h40min							
Prac 68 a) 15 40 50 200 300				b) 70 130 160 240 330				Prac 82 120 30 180 15 285		Prac 83 120 $1\frac{1}{4}$ $2\frac{1}{2}$ $1\frac{1}{2}$ $\frac{5}{6}$		Prac 84 14 42 4 9 12		Prac 85 36 4 54 5 $2\frac{1}{4}$		Prac 89 A 1. a) A rectangular prism / reghoekige prisma b) A square-based pyramid / vierkantige-basis piramide c) A sphere / sfeer d) A cone / kegel 2. a) A cylinder / silinder b) A cube / kubus c) A triangular prism / driehoekige prisma d) A triangular pyramid / driehoekige piramide	

Prac 89 B



Prac 90

160	200	0
390	400	0
550	500	1000
660	700	1000
840	800	1000
1440	1400	1000
2250	2300	2000
3480	3500	3000
4700	4700	5000
25 690	25 700	26 000

Prac 91

1. >
2. >
3. >
4. <
5. >
6. <
7. <
8. <
9. <
10. >

Prac 92

1.	35 641	35 416	34 615
	34 516	34 156	
2.	24 719	24 179	21 974
	21 749	21 479	
3.	53 682	53 268	52 863
	52 638	52 368	

4.	47 952	47 592	47 529
	47 295	47 259	
5.	83 654	83 645	83 564
	83 546	83 456	

Prac 93

1.	65 134	65 314	65 341
	65 413	65 431	
2.	42 179	42 719	42 791
	42 917	42 971	
3.	63 258	63 285	63 528
	63 582	63 825	
4.	46 169	46 691	46 916
	47 169	47 961	
5.	86 573	86 735	87 356
	87 536	87 635	

Prac 94

1. 15 677 ; 15 687
2. 34 505 ; 34 495
3. 24 883 ; 24 983
4. 36 119 ; 36 019
5. 55 631 ; 54 631

Prac 95

1.	1700	1850	1900	1950
2.	31600	31900	32000	32100
3.	43000	43750	44250	44500
4.	55000	57000	59000	60000
5.	60800	62300	62800	63800

Prac 96

1. 78
2. 87
3. 65
4. 93
5. 93

Prac 97

1. 268
2. 414
3. 646
4. 923
5. 860

Prac 98

1. 35
2. 41
3. 15
4. 36
5. 37

Prac 99

1. 23
2. 133
3. 206
4. 252
5. 273

Prac 100

1.	383	34
2.	741	413
3.	193	780
4.	267	965

Prac 101

1. 2: 2, 4, 6, 8, 10
2. 3: 3, 6, 9, 12, 15
3. 4: 4, 8, 12, 16, 20
4. 5: 5, 10, 15, 20, 25
5. 7: 7, 14, 21, 28, 35

Prac 102

1. 8: 8, 16, 24, 32, 40
2. 9: 9, 18, 27, 36, 45
3. 10: 10, 20, 30, 40, 50
4. 11: 11, 22, 33, 44, 55
5. 12: 12, 24, 36, 48, 60

Prac 103

1. 18, 21, 24, 27, 30
2. 32, 36, 40, 44, 48
3. 40, 45, 50, 55
4. 30, 36, 42, 48, 54
5. 28, 35, 42, 49, 56

Prac 104

1. 60, 70, 80, 90
2. 32, 40, 48, 56, 64
3. 36, 45, 54, 63, 72
4. 55, 66, 77, 88, 99, 110
5. 72, 84, 96, 108, 120

Prac 105

1. 8: 1, 2, 4, 8
2. 12: 1, 2, 3, 4, 6, 12
3. 18: 1, 2, 3, 6, 9, 18
4. 24: 1, 2, 3, 4, 6, 8, 12, 24
5. 28: 1, 2, 4, 7, 14, 28

Prac 106

1. 20: 1, 2, 4, 5, 10, 20
2. 30: 1, 2, 3, 5, 6, 10, 15, 30
3. 32: 1, 2, 4, 8, 16, 32
4. 45: 1, 3, 5, 9, 15, 45
5. 50: 1, 2, 5, 10, 25, 50

Prac 107

1. 8
- 272
- 544
2. 6
- 174
- 522
3. 7
- 399
- 2394

Prac 108

1. 9
- 423
- 1269
2. 6
- 372
- 1488
3. 8
- 496
- 1488

Prac 109

1. 5
- 620
- 1860
2. 7
- 966
- 1932
3. 9
- 1377
- 2754

Prac 110

1. 7
- 1512
- 6048
2. 9
- 2205
- 6615
3. 8
- 3072
- 18432



Prac111	Prac112	Prac113	Prac114
9	9	9r1	5r2
6	7	6r1	4r2
3	8	4r3	3r4
2	12	6r3	3r1
12	12	5r4	11r3
8	11	4r7	9r4
6	6	4r3	8r2
4	7	5r3	8r3
3	8	4r9	7r4
2	9	4r5	6r1

Prac115	Prac116	Prac117	Prac118
6	10	18	49
8	12	24	64
8	9	24	24
9	12	36	60
5	10	56	48

Prac 119	Prac 120
1. $75 \div 5 \div 3$ $= 15 \div 3$ $= 5$	1. $954 \div 2 \div 9$ $= 477 \div 9$ $= 53$
2. $80 \div 8 \div 2$ $= 10 \div 2$ $= 5$	2. $954 \div 3 \div 6$ $= 318 \div 6$ $= 53$
3. $98 \div 2 \div 7$ $= 49 \div 7$ $= 7$	3. $882 \div 7 \div 6$ $= 126 \div 6$ $= 21$

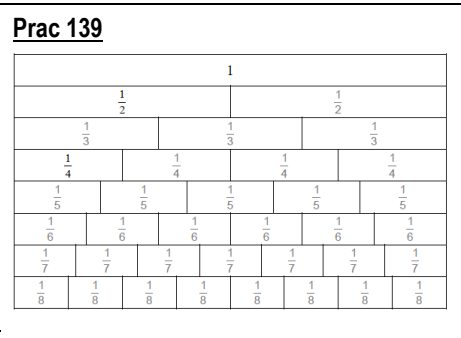
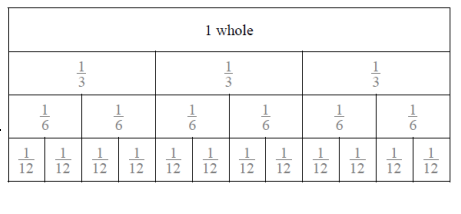
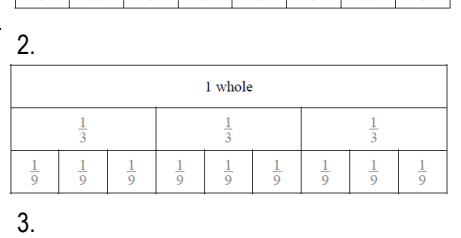
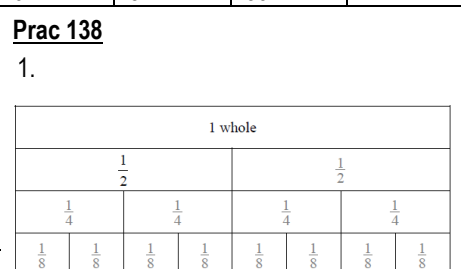
Prac 121	Prac 122	Prac 123
170	230	289
85	115	85
34	46	34
340	460	
290	410	
580	205	
145	82	
380	820	
760	670	
190	335	

Prac 124	Prac 125	Prac 126
782 $- 460$ 322 $- 230$ 92 $- 46$ 46 $- 46$ 0 $782 \div 23 = 34$	961 $- 620$ 341 $- 310$ 31 $- 31$ 0 $961 \div 31 = 31$	817 $- 430$ 387 $- 215$ 172 $- 86$ 86 $- 86$ 0 $817 \div 43 = 19$

Prac 127	Prac 128	Prac 129
169	177	11
165	159	14
237	328	104
238	399	13
468	657	150

Prac130	Prac131	Prac132	Prac133
6	24	20	180
8	77	9	630
4	108	4	400
6	60	8	810
6	48	80	350
1	24	40	35
2	45	42	240
8	40	108	110
3	99	24	45
4	42	24	80

Prac134	Prac135	Prac136	Prac137
36	49	24	7
77	48	84	7
26	18	54	7
72	17	9	9
81	28	12	12
61	17	8	8
105	16	36	9
54	0	80	8
116	5	50	12
61	8	591	12



Prac 140

1.

$$1 = \frac{2}{2} = \frac{3}{3} = \frac{4}{4} = \frac{5}{5}$$

$$= \frac{6}{6} = \frac{7}{7} = \frac{8}{8} = \frac{9}{9}$$

2.

a)	b)	c)	d)
>	<	<	=
<	<	>	>
=	<	>	=
<	>	>	<

Prac 141

1. $\frac{2}{4}$ or/of $\frac{1}{2}$
 $\frac{6}{8}$ or/of $\frac{3}{4}$
 $\frac{2}{8}$ or/of $\frac{1}{4}$
 $\frac{4}{6}$ or/of $\frac{2}{3}$

2. any 5 of 6/ enige 5 van 6
any 5 of 8/ enige 5 van 8
any 5 of 9/ enige 5 van 9
any 2 of 5/ enige 2 van 5

Prac 142

a)

$\frac{1}{3}$	$\frac{3}{6}$	$\frac{2}{6}$
---------------	---------------	---------------

b)

$\frac{1}{2}$	$\frac{3}{6}$	$\frac{2}{6}$
---------------	---------------	---------------

c)

$\frac{2}{4}$	$\frac{4}{8}$	$\frac{2}{6}$
---------------	---------------	---------------

d)

$\frac{3}{6}$	$\frac{3}{7}$	$\frac{1}{2}$
---------------	---------------	---------------

e)

$\frac{5}{2}$	$\frac{6}{4}$	$\frac{3}{2}$
---------------	---------------	---------------

f)

$\frac{3}{4}$	$\frac{3}{6}$	$\frac{6}{8}$
---------------	---------------	---------------

Prac 143

1. A: $\frac{1}{2}$ B: $\frac{2}{3}$ C: $\frac{7}{6}$

2. A: $\frac{3}{7}$ B: $\frac{4}{7}$ C: $\frac{6}{7}$ D: $1\frac{2}{7}$

3. A: $\frac{1}{4}$ B: $\frac{5}{8}$ C: $\frac{3}{4}$ D: $1\frac{1}{8}$

4. A: $\frac{1}{3}$ B: $\frac{5}{9}$ C: $\frac{2}{3}$ D: $\frac{8}{9}$

Prac 144

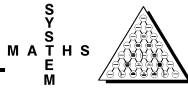
1. $\frac{0}{5}, \frac{1}{6}, \frac{1}{3}, \frac{2}{2}$

2. $\frac{2}{9}, \frac{2}{7}, \frac{2}{5}, \frac{2}{3}$

3. $\frac{1}{4}, \frac{3}{8}, \frac{5}{8}, \frac{7}{8}$

4. $\frac{4}{9}, \frac{5}{9}, \frac{2}{3}, \frac{7}{9}$

5. $\frac{4}{7}, \frac{4}{5}, \frac{4}{4}, \frac{4}{3}$



Prac 145

1. $\frac{1}{3}, \frac{1}{4}, \frac{1}{5}, \frac{1}{7}$
2. $\frac{3}{3}, \frac{3}{4}, \frac{3}{7}, \frac{3}{8}$
3. $\frac{5}{5}, \frac{3}{5}, \frac{1}{5}, \frac{0}{5}$
4. $2\frac{1}{3}, 2\frac{1}{4}, 1\frac{1}{3}, 1\frac{1}{4}$
5. $1\frac{6}{7}, \frac{11}{6}, \frac{11}{7}, 1\frac{1}{6}$

4. $1\frac{3}{5} = \frac{5}{5} + \frac{3}{5} = \frac{8}{5}$
5. $1\frac{3}{7} = \frac{7}{7} + \frac{3}{7} = \frac{10}{7}$
6. $1\frac{5}{6} = \frac{6}{6} + \frac{5}{6} = \frac{11}{6}$
7. $1\frac{5}{8} = \frac{8}{8} + \frac{5}{8} = \frac{13}{8}$
8. $1\frac{4}{9} = \frac{9}{9} + \frac{4}{9} = \frac{13}{9}$
9. $1\frac{2}{7} = \frac{7}{7} + \frac{2}{7} = \frac{9}{7}$
10. $1\frac{2}{9} = \frac{9}{9} + \frac{2}{9} = \frac{11}{9}$

5. $3\frac{3}{4} = \frac{15}{4}$
6. $2\frac{5}{8} = \frac{21}{8}$
7. $5\frac{2}{3} = \frac{17}{3}$
8. $7\frac{2}{7} = \frac{51}{7}$
9. $4\frac{5}{7} = \frac{33}{7}$
10. $6\frac{5}{6} = \frac{41}{6}$

Prac 146

- 1
- $\frac{2}{3}$
- $\frac{2}{5}$
- $\frac{2}{7}$
- 1
- 1
- $\frac{6}{7}$
- 1
- $\frac{5}{8}$
- $\frac{7}{8}$
- 8

Prac 147

- $\frac{1}{5}$
- $\frac{1}{7}$
- $\frac{2}{9}$
- $\frac{1}{3}$
- $\frac{7}{9}$
- 1
- $\frac{4}{8} = \frac{1}{2}$
- $\frac{3}{9} = \frac{1}{3}$
- $\frac{4}{6} = \frac{2}{3}$
- $\frac{4}{8} = \frac{1}{2}$

Prac 148

- $\frac{2}{3}$
- $\frac{1}{4}$
- $\frac{3}{5}$
- $\frac{3}{7}$
- $1\frac{1}{2}$
- $2\frac{2}{3}$
- $1\frac{1}{3}$
- $2\frac{2}{5}$
- $4\frac{5}{8}$
- $6\frac{1}{8}$

Prac 149

- 2
- 2
- 6
- 6
- 8
- 5
- 5
- 7
- 8

Prac 152

1. $2\frac{1}{2} = \frac{4}{2} + \frac{1}{2} = \frac{5}{2}$
2. $2\frac{1}{3} = \frac{6}{3} + \frac{1}{3} = \frac{7}{3}$
3. $3\frac{1}{2} = \frac{6}{2} + \frac{1}{2} = \frac{7}{2}$
4. $3\frac{1}{3} = \frac{9}{3} + \frac{1}{3} = \frac{10}{3}$
5. $2\frac{1}{4} = \frac{9}{4}$
6. $2\frac{1}{5} = \frac{11}{5}$
7. $2\frac{3}{4} = \frac{11}{4}$
8. $2\frac{3}{5} = \frac{13}{5}$
9. $4\frac{1}{4} = \frac{17}{4}$
10. $4\frac{3}{4} = \frac{19}{4}$

Prac 154

1. $\frac{3}{2} = 1\frac{1}{2}$
2. $\frac{5}{2} = 2\frac{1}{2}$
3. $\frac{4}{3} = 1\frac{1}{3}$
4. $\frac{5}{3} = 1\frac{2}{3}$
5. $\frac{5}{4} = 1\frac{1}{4}$
6. $\frac{7}{4} = 1\frac{3}{4}$
7. $\frac{6}{5} = 1\frac{1}{5}$
8. $\frac{8}{5} = 1\frac{3}{5}$
9. $\frac{7}{6} = 1\frac{1}{6}$
10. $\frac{11}{6} = 1\frac{5}{6}$

Prac 155

1. $\frac{9}{2} = 4\frac{1}{2}$
2. $\frac{11}{3} = 3\frac{2}{3}$
3. $\frac{14}{3} = 4\frac{2}{3}$
4. $\frac{20}{3} = 6\frac{2}{3}$
5. $\frac{11}{4} = 2\frac{3}{4}$
6. $\frac{11}{5} = 2\frac{1}{5}$
7. $\frac{17}{4} = 4\frac{1}{4}$
8. $\frac{17}{5} = 3\frac{2}{5}$
9. $\frac{17}{6} = 2\frac{5}{6}$
10. $\frac{17}{7} = 2\frac{3}{7}$

Prac 150

1.
 - a) equal parts/ gelyke dele
 - equal parts/ gelyke dele
 - b) numerator/ teller
 - c) equivalent / ekwivalente
- 2.

- | | | | |
|---------------|---|---------------|---|
| a) | | b) | |
| 2 | 3 | 5 | 7 |
| 5 | 9 | 8 | 3 |
| $\frac{7}{3}$ | | 1 | |
| $\frac{1}{2}$ | | $\frac{4}{5}$ | |
| $\frac{2}{1}$ | | $\frac{9}{4}$ | |

Prac 151

1. $1\frac{1}{2} = \frac{2}{2} + \frac{1}{2} = \frac{3}{2}$
2. $1\frac{1}{3} = \frac{3}{3} + \frac{1}{3} = \frac{4}{3}$
3. $1\frac{1}{4} = \frac{4}{4} + \frac{1}{4} = \frac{5}{4}$

Prac 153

1. $1\frac{1}{2} = \frac{3}{2}$
2. $1\frac{1}{3} = \frac{4}{3}$
3. $2\frac{1}{4} = \frac{9}{4}$
4. $2\frac{2}{5} = \frac{12}{5}$



<p>Prac 156</p> <ol style="list-style-type: none"> $\frac{7}{2} = 3\frac{1}{2}$ $\frac{8}{3} = 2\frac{2}{3}$ $\frac{9}{4} = 2\frac{1}{4}$ $\frac{13}{5} = 2\frac{3}{5}$ $\frac{17}{7} = 2\frac{3}{7}$ $\frac{31}{9} = 3\frac{4}{9}$ $\frac{19}{2} = 9\frac{1}{2}$ $\frac{19}{3} = 6\frac{1}{3}$ $\frac{23}{4} = 5\frac{3}{4}$ $\frac{37}{5} = 7\frac{3}{5}$ 		<p>B</p> <p>Homework or Revision / Huiswerk of Hersiening</p> <p>HW 1</p> <ol style="list-style-type: none"> <ol style="list-style-type: none"> 600 7000 80 <ol style="list-style-type: none"> 300 581 91 350 <ol style="list-style-type: none"> 2046 6946 6097 19 358 <ol style="list-style-type: none"> 919 ; 939 ; 959 ; 979 700 ; 725 ; 750 ; 775 1410 ; 1460 ; 1510 ; 1560 9024 ; 9224 ; 9424 ; 9624 5581 ; 5561 ; 5541 ; 5521 3095 ; 3070 ; 3045 ; 3020 2400 ; 2375 ; 2350 ; 2325 	<ol style="list-style-type: none"> <ol style="list-style-type: none"> 6000 8000 9000 10000 6840 6940 7040 7090 26300 26500 27100 27500 <p>HW 5</p> <ol style="list-style-type: none"> <ol style="list-style-type: none"> 100 1000 100 <ol style="list-style-type: none"> 67 420 340 809 $5HTh + 9 TTh + 7Th + 4T + 3U$ or/of $5 \times 100\ 000 + 9 \times 10\ 000 + 7 \times 10\ 000 + 4 \times 10 + 3$ or/of $500\ 000 + 90\ 000 + 7000 + 40 + 3$ <ol style="list-style-type: none"> 2500 37 100 50 900 3476 600 120
<p>Prac 157</p> <ol style="list-style-type: none"> 8 7 8 8 7 8 8 8 9 9 	<p>Prac 158</p> <ol style="list-style-type: none"> 6 12 7 21 6 18 8 40 9 36 	<p>HW 2</p> <ol style="list-style-type: none"> <ol style="list-style-type: none"> $6000 - 80 = 5920$ 3596 ; 3598 ; 3600 63 ; 72 ; 81 $760 + 999 = 1759$ <ol style="list-style-type: none"> 47 479 75 7500 <ol style="list-style-type: none"> 9 7 8 9 1 6 4 1 9 3 7 9 4 2 	<p>HW 6</p> <ol style="list-style-type: none"> <ol style="list-style-type: none"> 725 730 700 1000 5540 5540 5500 6000 11950 11950 12000 12000 26455 26460 26500 26000 <ol style="list-style-type: none"> 25 , 26 , 27 , 28 , 29 , 30 , 31 , 32 , 33 , 34 95 , 96 , 97 , 98 , 99 , 101 , 102 , 103 , 104 <ol style="list-style-type: none"> $80 + 150 - 130 \approx 100$ $500 - 250 \approx 250$ $80 \times 80 \approx 6400$ $540 \div 60 \approx 9$
<p>Prac 159</p> <ol style="list-style-type: none"> 16 18 20 21 22 24 40 21 35 49 	<p>Prac 160</p> <ol style="list-style-type: none"> 24 35 27 20 22 54 40 36 22 84 	<p>HW 3</p> <ol style="list-style-type: none"> <ol style="list-style-type: none"> 0 ; 1 ; 2 ; 3 1 ; 3 ; 5 ; 7 ; 9 ; 11 9000 $560 + 99 + 99 = 659 + 99 = 758$ <ol style="list-style-type: none"> 3 3 3 2 1 7 2 8 7 7 4 1 4 7 	<p>HW 7</p> <ol style="list-style-type: none"> <ol style="list-style-type: none"> 400 80 130 325 400 (99 - 99 = 0) 96 (56 + 40) <ol style="list-style-type: none"> No. left / Aantal oor = $917 - (348 + 43)$ = $917 - 391$ = 526 No. of learners / Aantal leerders = $561 - (143 + 134)$ = $561 - 277$ = 284
		<p>HW 4</p> <ol style="list-style-type: none"> <ol style="list-style-type: none"> 841 ; 861 ; 881 ; 901 ; 921 ; 941 ; 961 2743 ; 2793 ; 2843 ; 2893 ; 2943 4867 ; 5067 ; 5267 ; 5467 ; 5867 600 ; 575 ; 550 ; 525 ; 500 ; 475 	

HW 8

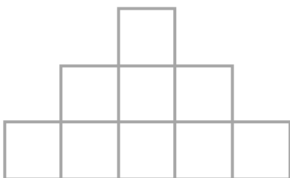
1.
 - a) 20
 - b) 400
 - c) 1523
 - 152
 - 15
2.
 - a) 41 159
 - b) 131 730
 - c) 18 337
 - d) 536 215
3.
 - a) 35 851
 - b) 13 582
 - c) 27 765
 - d) 20 678
4.
 - a) 6843
 - b) 4792

HW 9

1.
 - a) A rectangle / reghoek
 - b) A parallelogram / parallelogram
 - c) A quadrilateral / vierhoek
 - d) A kite / vlieër
2.
 - a) 6 rectangles / reghoeke
 - b) 5 rectangle and triangles / reghoeke en driehoek
 - c) 5 triangles and rectangles / driehoek en reghoeke
 - d) 4 triangles / driehoek
3.
 - a) 5
 - b) 6
 - c) 13



b)

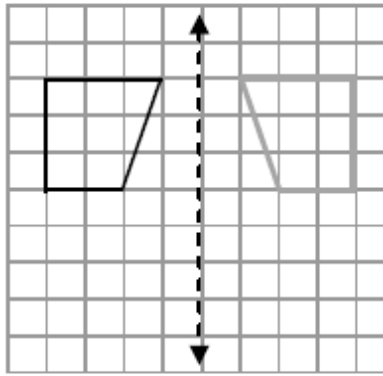


HW 10

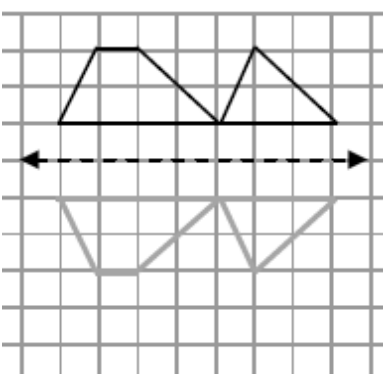
1.
 - a) 2
 - b) 4
 - c) 0
 - d) 2
 - e) 5
 - f) 1

2.

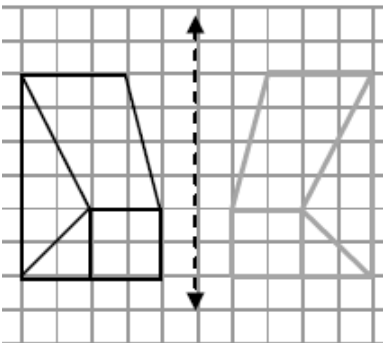
a)



b)

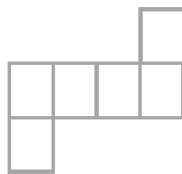


c)



3.

a)



b)



HW 11

1.
 - a) 48 ; 56 ; 64
 - b) 32 ; 36 ; 40 ; 44 ; 48
 - c) 63 ; 70 ; 77 ; 84
 - d) 108 ; 117 ; 126

2.

a)

- a) 30
- b) 144
- c) 67
- d) 99
- e) 45
- f) 57

3.

a)

$$58 \times 6 = 6 \times (50 + 8) = (6 \times 50) + (6 \times 8) = 300 + 48 = 348$$

b)

$$437 \times 9 = 9 \times (400 + 30 + 7) = (9 \times 400) + (9 \times 30) + (9 \times 7) = 3600 + 270 + 63 = 3933$$

4.

a)

- a) 4 9 2
- b) 6 0 0
- c) 7 7 4

HW 12

1.

a)

- a) 90
- b) multiple / veelvoud
- c) factor / faktor
- d) factor / faktor

2.

a)

- a) 1, 2, 3, 6, 9, 18
- b) 1, 2, 4, 8, 16, 32
- c) 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60

3.

a)

- a) 1
- b) 0
- c) undefined / ongedefinieerd
- d) 0
- e) t
- f) $2t$

4.

a)

- a) 0
- b) 0
- c) 848
- d) 11 111
- e) 73
- f) 17

HW 13

1.

a)

- a) 2
- b) $160 + 72 = 232$
- c) $78 \times 5 \times 9 = 390 \times 9 = 3510$
- d) $58 \times 6 \times 3 = 348 \times 3 = 1044$
- e) $193 \times 8 \times 4 = 1544 \times 4 = 6176$



- f) $318 \times 9 \times 3$
 $= 2862 \times 3$
 $= 8586$
2.
 a) 10
 b) 15
 c) 8
 d) 100
3.
 a) $57 \times 2 \times 10 = 114 \times 10 = 1140$
 b) $690 \times 3 = 2070$
 c) $660 \times 10 = 6600$
 d) $1296 \times 10 = 12\ 960$
 e) $3792 \times 10 = 37920$
 f) $172 \times 100 = 17\ 200$

HW 14

1.
 a) $83 \times 65 = 83 \times (60 + 5)$
 $= (83 \times 60) + (83 \times 5)$
 $= 4980 + 415$
 $= 5395$
 or/of
 $65 \times (80 + 3)$
 $= (65 \times 80) + (65 \times 3)$
 $= 5200 + 195$
 $= 5395$
- b) 97×43
 $= (97 \times 40) + (97 \times 3)$
 $= 3880 + 291$
 $= 4171$
 or/of
 $(43 \times 100) - (43 \times 3)$
 $= 4300 - 129$
 $= 4171$
2.
 a) 237×42
 $= 237 \times 7 \times 6$
 $= 1659 \times 9$
 $= 9954$
 or/of
 $237 \times 6 \times 7$
 $= 1422 \times 7$
 $= 9954$
- b) 2436×45
 $= 2436 \times 9 \times 5$
 $= 21\ 924 \times 5$
 $= 109\ 620$
 or/of
 $2436 \times 5 \times 9$
 $= 12\ 180 \times 9$
 $= 109\ 620$
3.
 a) $48 \times 5 = 240$
 b) $608 \times 3 = 1824$ and/en $38 \times 16 = 608$
 c) $1344 \times 2 = 2688$ and/en $42 \times 32 = 1344$

HW 15

1.
 a) =
 b) <
 c) <

2.
 a) 47 38
 b) the quotient / kwosiënt
 the divisor / die deler
 c) $18 \div 6 = 3$
 d) 1
 e) 28
 f) 46
3.

a) 12	a) 9	a) 9	a) 12
b) 6	b) 12	b) 9	b) 12
c) 8	c) 7	c) 8	c) 12
d) 4	d) 7	d) 8	d) 12

HW 16

1.

a) 6 r1	a) 8 r2	7 r2
b) 4 r1	b) 11 r3	7 r4
c) 4 r3	c) 11 r1	7 r3
d) 8 r2	d) 12 r3	6 r4
2.
 a) $108 \xrightarrow{+12} 9 \xrightarrow{\times 7} 63 \xrightarrow{-9} 54$
 b) $132 \xrightarrow{+11} 12 \xrightarrow{+72} 84 \xrightarrow{+7} 12$
 c) $59 \xrightarrow{-11} 48 \xrightarrow{+12} 4 \xrightarrow{\times 50} 200$
3.
 a) $64 \div 2 = 32$
 b) $480 \div 10 \div 8 = 48 \div 8 = 6$
 c) $1260 \div 10 \div 6 = 126 \div 6 = 21$
 d) $1610 \div 10 \div 7 = 161 \div 7 = 23$
 e) $1320 \div 10 \div 12 = 132 \div 12 = 11$

HW 17

1.

a) 8	b) 5	c) 12	d) 4 r1
8	12	9	4 r3
9	11	6	5 r5
8	7	4	6 r2
2.
 a) 114
 b) 137
 c) 420 r 1
 d) 575 r 3
3.
 a) $810 \div 54$
 $= 810 \div 9 \div 6$
 $= 90 \div 6$
 $= 15$
 or/of
 $810 \div 6 \div 9$
 $= 135 \div 9$
 $= 15$
 b) $980 \div 28$
 $= 980 \div 7 \div 4$
 $= 140 \div 4$
 $= 35$
 or/of
 $980 \div 4 \div 7$
 $= 245 \div 7$
 $= 35$

HW 18

1.
 a) $6 \div 6 = 1$
 b) $6 + 7 = 13$
 c) is undefined / is ongedefinieerd
 d) $0 + 89 = 89$
 e) $84 \div 12 = 7$
 f) $72 + 1 = 73$
 g) $21 - 3 = 18$
 h) $12 + 7 = 19$
 i) $25 \times (7 - 5) = 50$
 j) $500 - 125 = 375$
2.
 a) $40 - 35 = 5$
 b) $12 - 8 = 4$
 c) i) ✗ ii) ✓
3.
 a) $R576 \div 9 = R64$
 b)
 i. $4800 \div 30 = 480 \div 3 = 160$
 ii. $160 \div 20 = 16 \div 2 = 8$
 c) $864 \div 8 \div 2 = 108 \div 2 = 54\text{km}$
 or/of
 $864 \div 4 \div 4 = 216 \div 4 = 54\text{km}$

HW 19

1.
 a) Amount in 1 week / bedrag in 1 week
 $= R6020 \div 7$
 $= R860$
 b) Total no. of stamps / Totale aantal seëls
 $= 86 + 43$
 $= 129$
2.
 a) Amount each / Bedrag elk
 $= R762,50 \div 10$
 $= R 76,25$
 b) No. of sheep / Aantal skape
 $= 595 \div 7$
 $= 85$
3.
 a) No. of months / Aantal maande
 $= 490 \div 7 \div 5$
 $= 70 \div 5$
 $= 14$
 or/of
 $490 \div 5 \div 7$
 $= 98 \div 7$
 $= 14$
 b) $94 \div 5 \div 3$
 $= (18\ \text{r}\ 4) \div 3$
 $= 6\ \text{r}\ 4$
 or/of
 $94 \div 3 \div 5$
 $= (30\ \text{r}\ 4) \div 5$
 $= 6\ \text{r}\ 4$
 No. of punnets = 6 / Aantal houers = 6
 4 strawberries left / 4 aarbeie oor



HW 20

- 5.40 a.m./vm. or/of 05:40
 - 6.20 p.m./nm. or/of 18:20
- $33 + 10 = 43$
 - $25 + 15 = 40$
 - $15 + 23 = 38$
 - $48 + 6 = 54$
- 4h 36min
 - 2h 30min
 - 6h 32min
 - 2h 32min

HW 21

- | | | | |
|------|-----|----|----------------|
| a) | b) | c) | d) |
| 120 | 90 | 3 | $\frac{1}{4}$ |
| 240 | 135 | 4 | $\frac{3}{4}$ |
| 420 | 225 | 9 | $\frac{3}{4}$ |
| 1200 | 330 | 11 | $2\frac{1}{2}$ |
| | | | $3\frac{1}{4}$ |
- 365
 - 3650
 - 36 500
 - 29
 - 365
 - 365 000
- 21
49
 - $2w + 5d$
 $6w + 5d$
 - 48
60
96
102
 - 48
108
 - 2 years/jare + 9 months/maande
6 years/jare + 5 months/maande

HW 22

- | | |
|------|----|
| a) 9 | 15 |
| = 10 | 3 |
 - | | |
|------|----|
| b) 9 | 29 |
| = 10 | 5 |
 - | | |
|-------|----|
| c) 21 | 90 |
| = 22 | 30 |
 - | | |
|-------|----|
| d) 25 | 93 |
| = 26 | 33 |
- | | |
|------------|-----------|
| a) 6w | 11d |
| <u>-3w</u> | <u>6d</u> |
| 3w | 5d |

- | | |
|------------|-----------|
| 12w | 9d |
| <u>-6w</u> | <u>4d</u> |
| 6w | 5d |
- | | |
|------------|---------------|
| 4h | 83 min |
| <u>-2h</u> | <u>43 min</u> |
| 2h | 40 min |
- | | |
|---------------|-------------|
| 7 min | 100 s |
| <u>-4 min</u> | <u>50 s</u> |
| 3 min | 50 s |
- 28 min 84 s = 29 min 24 s
 - 20 s
 $3 \times 20 \text{ s} = 1 \text{ min}$
 - Time taken / Tydsduur
= 11 min 26 s - 3 min 39 s
= 10 min 86 s - 3 min 39 s
= 7 min 47 s

HW 23

- 4
 - 10
 - frequency / frekwensie
 - graphs / grafieke
 - bar graphs / staafgrafieke
- 200
 - 160
 - 960
 - $R80 \times 960$
= R76 800
- $\frac{1}{3} \times 24h = 8h$
 - $\frac{1}{4} \times 24h = 6h$
 - TV
 - Difference / Verskil
= $4h - 2h = 2h$

HW 24

- 45 mm
15 mm
 - $45 - 25 \text{ mm} = 20 \text{ mm}$
 - $35 + 30 + 45 + 25 + 10 = 145 \text{ mm}$
 - $35 + 40 + 45 \text{ mm} = 120 \text{ mm}$
-

Flavour/ Geur	Tally marks / Telmerkies	f
Orange / Lemoen		13
Mango / Mango		9
Peach / Perske		10
Guava / Koejawel		5
Apple / Appel		3

- 40
- apple / appel
- $\frac{10}{40} = \frac{1}{4}$

HW 25

- | | |
|----|----|
| 8 | 25 |
| 12 | 29 |
 - | | |
|----|----|
| 9 | 63 |
| 13 | 91 |
- | | |
|-----|----|
| 31 | 73 |
| 107 | 43 |
| | 55 |
 - + 9
- 24 80
 - 97 31
- 37 ; 45 ; 53 ; --- Rule/Reël: +8
 - 12 ; 6 ; 3 ; --- Rule/Reël: ÷2
 - $\frac{1}{8}$; $\frac{1}{16}$; $\frac{1}{32}$; ... Rule/ Reël: ÷2

HW 26

- 17
 - 22
 - 15
 - 108
 - 4
 - 9 (15 - x) = 6
- | | |
|-------|-------|
| | ***** |
| ***** | ***** |
| ***** | ***** |
| ***** | ***** |
| ***** | ***** |
- | | |
|-------|-------|
| | ***** |
| ***** | ***** |
| ***** | ***** |
| ***** | ***** |
| ***** | ***** |
- 9 ; 11 ; 13 ; ... Rule/Reël: +2
 - 10 ; 7 ; 4 ; ... Rule/Reël: - 3
 - $\frac{1}{2}$; $\frac{5}{8}$; $\frac{3}{4}$; ... Rule/Reël: + $\frac{1}{8}$
 - 16 ; 32 ; 64 ; ... Rule/Reël: × 2
- $x + 10 = y$
 - $y = x \times 7$
 - $y = 10 - t$

HW 27

- 12
44
 - 12
49



2.
 a) $176 - 149 = 27$
 b) $959 \div 7 = 137$
 c) $y = 456 \div 24$
 $= 456 \div 8 \div 3$
 $= 57 \div 3$
 $= 19$
 or/of
 $456 \div 6 \div 4$
 $= 76 \div 4$
 $= 19$
 d) $723 \div 18$
 $= 723 \div 9 \div 2$
 $= (80 \text{ r } 3) \div 2$
 $= 40 \text{ r } 3$
 or/of
 $723 \div 6 \div 3$
 $= (120 \text{ r } 3) \div 3$
 $= 40 \text{ r } 3$

Add 15 / Tel 15 by

3.
 a) R420
 b) R220
 R55 R385

HW 28

1.
 a) R10
 b) R40
 c) R40
 2.
 a) $600 \div 5 \text{ km/h} = 120$
 b) $R103,50 \div 9 = R11,50$
 3.
 a) 4
 b) 3
 c) 8

HW 29

- a) $12 \times R4500 = R54\ 000$
 b) $R4800 \div 3 = R1600$
 R800
 $7 \times R800 = R5600$
 c) R128
 $3 \times R128 = R384$
 d) R102
 $R102 \div 6 = R17$
 e) $2 \times 585 \text{ kg} = 1170 \text{ kg}$
 f) $1500 \text{ g} \div 2 = 750 \text{ g}$
 g) $480 \div 5 \text{ km} = 96 \text{ km}$,
 $9 \times 96 \text{ km} = 864 \text{ km}$
 h) $7 \times R7 = R49$

HW 30

1.
 a) 4000
 7500
 250
 b) 2
 $4 \frac{1}{2}$
 $1 \frac{3}{4}$

- c) 5665
 d) 4176
 2.
 a) 127
 b) 1876
 c) $364 \times 10 \times 2 \text{ l}$
 $= 3640 \times 2 \text{ l}$
 $= 7280 \text{ l}$
 d) $147 \times 9 \times 6 \text{ ml}$
 $= 1323 \times 6 \text{ ml}$
 $= 7938 \text{ ml}$

3.
 a) 250 ml
 b) 5 ml
 4.
 a) $1000 \div 5 = 200$
 b) 160 ($2 \times 500 \text{ ml} = 1 \text{ l}$)

HW 31

- a) Number of l per day / Aantal l per dag
 $= 960 \div 30$
 $= 96 \div 3$
 $= 32$

2.
 b) Difference / Verskil
 $= 137 - (43' + 37 + 27') \text{ l}$
 $= 137 - 107 \text{ l}$
 $= 30 \text{ l}$

3.
 c) No. of l / Aantal l
 $= 12 \times \frac{3}{4} \text{ l} = 9 \text{ l}$
 or/of
 $12 \times 750 \text{ ml}$
 $= 9000 \text{ ml}$
 $= 9 \text{ l}$

4.
 a) No. of glasses / Aantal glase
 $= 7500 \div 750$
 $= 10$
 b) No. of glasses / Aantal glase
 $= 2 \times 10 = 20$

HW 32

1.
 a) 2000 a) 3500 a) 4
 b) 8000 b) 5250 b) $6 \frac{1}{2}$
 c) 500 c) 8250 c) $1 \frac{1}{4}$
 d) 250 d) 1750 d) $8 \frac{3}{4} \text{ m}$

2.
 a) 40 m b) 28 mm c) 144mm
 100 m 200mm
 46 m 90 mm d) 847 m
 37 m 129 m
 3.
 a) $3 \frac{1}{4}$ b) 10 250 m
 $2 \frac{1}{2}$ c) 4 434 m
 $2 \frac{1}{4}$

HW 33

1.
 a) 2000 a) 4500 a) 5
 b) 7000 b) 9250 b) $8 \frac{1}{2}$
 c) 500 c) 2750 c) $2 \frac{1}{4}$
 d) 250 d) 125 d) $4 \frac{3}{4}$

2.
 a) 36
 117
 31
 88
 b) 7 021 km
 c) 3 209 km
 d) 13 761 km

3.
 a) 6415 m
 $- 2396 \text{ m}$
4019 m
 b) 5 km 643 m
 $7 \text{ km } 409 \text{ m}$
13 km 52 m

HW 34

1.
 100 200 4
 1000 350 $5 \frac{1}{2}$
 10 725 8
 50 30 000 12
 5 65 $4 \frac{1}{2}$

2.
 a) 2425
 b) 5747
 c) 73
 d) 118
 3.
 a) Distance/afstand
 $= 10\ 000 - 3875 \text{ m}$
 $= 6125 \text{ m}$
 b) Distance/afstand
 $= 2 \times 7 \times 146 \text{ km}$
 $= 2 \times 1022 \text{ km}$
 $= 2044 \text{ km}$

HW 35

1.
 a) 2000 b) 4
 3500 $8 \frac{3}{4}$
 1500 $2 \frac{1}{2}$
 c) 8820 g
 d) 1713 kg
 2.
 a) 2214 g
 b) 187 kg
 c) 94 kg
 d) $575 \times 7 \times 3 \text{ g}$
 $= 4025 \times 3 \text{ g}$
 $= 12\ 075 \text{ g}$

e) $832 \div 8 \div 4 \text{ kg}$
 $= 104 \text{ kg} \div 4 \text{ kg}$
 $= 26 \text{ kg}$

3.
 a) $5 \text{ kg } 1000 \text{ g} = 6 \text{ kg}$
 b) $10\,000 \text{ g} - 100 \text{ g} = 9900 \text{ g}$
 c) 18 kg
 d) $64\,000 \div 80 = 800$

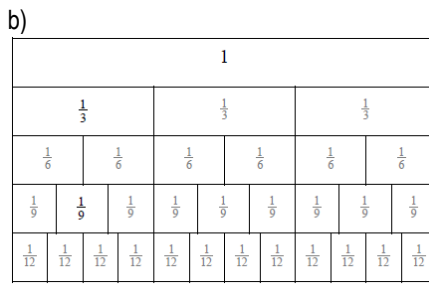
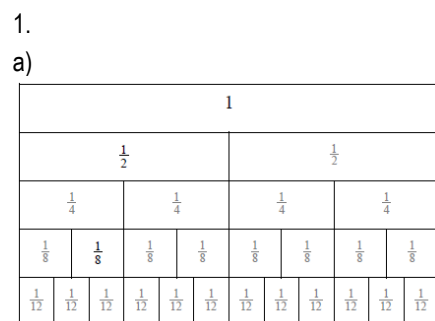
HW 36

1.
 a) how hot or cold something is / hoe warm of koud iets is
 b) thermometer / termometer
 c) Celsius/Centigrade / Celsius
 d) -6°C .
2.
 a) $<$
 b) $>$
 c) $<$
3.
 a) 1°C b) 11°C
 2°C 21°C
 -2°C -1°C

HW 37

1.
 a) $\frac{3}{6}$ or/of $\frac{1}{2}$
 b) $\frac{4}{6}$ or/of $\frac{2}{3}$
 c) $\frac{6}{9}$ or/of $\frac{2}{3}$
 d) $\frac{2}{6}$ or/of $\frac{1}{3}$
2.
 a) $\frac{1}{8}$
 b) $\frac{1}{4}$
 c) $\frac{1}{2}$
3.
 a) $>$ c) $>$
 $<$ $=$
 b) $=$ d) $>$
 $<$ $<$

a) **HW 38**



2.
 a) $1 = \frac{2}{2} = \frac{4}{4} = \frac{8}{8}$
 b) $1 = \frac{2}{2} = \frac{6}{6} = \frac{12}{12}$
 c) $1 = \frac{3}{3} = \frac{6}{6} = \frac{9}{9}$
 d) $3 = \frac{6}{2} = \frac{9}{3} = \frac{12}{4}$
 e) $5 = \frac{15}{3} = \frac{25}{5} = \frac{35}{7}$
 f) $7 = \frac{14}{2} = \frac{21}{3} = \frac{28}{4}$
 g) $8 = \frac{24}{3} = \frac{32}{4} = \frac{64}{8}$
3.
 a) $\frac{1}{3} < \frac{1}{2} < \frac{3}{4} < \frac{3}{3}$
 b) $\frac{0}{3} < \frac{2}{6} < \frac{4}{9} < \frac{7}{12}$
 ($\frac{4}{9} = \frac{16}{36}$ & $\frac{7}{12} = \frac{21}{36}$)

HW 39

1.
 a) the numerator / teller
 b) the denominator / noemer
 c) 11
 d) 7
2.
 a) $\frac{1}{4} \quad \frac{5}{8} \quad \frac{3}{4}$
 b) $\frac{1}{3} \quad \frac{2}{3} \quad 1\frac{1}{6}$
 $\frac{1}{4} \quad \frac{1}{3} \quad \frac{2}{3} \quad \frac{3}{4}$
 c) ($\frac{3}{12} \quad \frac{4}{12} \quad \frac{8}{12} \quad \frac{9}{12}$)
3.
 a) $\frac{5}{5} > \frac{7}{10} > \frac{1}{2} > \frac{1}{10}$
 b) $\frac{4}{2} > \frac{4}{4} > \frac{1}{3} > \frac{1}{6}$
4.
 a) b) c) d)
 2 2 2 4
 6 5 6 5
 13 9 9 5

HW 40

1.
 a) b) c) d)
 $\frac{1}{2}$ 1 $\frac{7}{8}$ $\frac{6}{13}$
 $\frac{3}{5}$ 1 $\frac{9}{11}$ $\frac{1}{2}$
2.
 a) b) c) d)
 $\frac{3}{5}$ $\frac{1}{5}$ $\frac{5}{9}$ 0
 $\frac{4}{7}$ $\frac{1}{2}$ $\frac{7}{15}$ $\frac{4}{17}$

3.
 a) $\frac{2}{3}$ b) $\frac{3}{5}$ c) $\frac{5}{9}$ d) $\frac{5}{12}$
 $\frac{1}{4}$ $\frac{4}{7}$ $\frac{1}{8}$ $\frac{4}{15}$

4.
 a) $\frac{2}{5}$
 b) $\frac{2}{7}$

HW 41

1.
 a) $\frac{1}{2} = \frac{5}{10} = \frac{7}{14} = \frac{10}{20}$
 b) $\frac{1}{3} = \frac{4}{12} = \frac{6}{18} = \frac{12}{36}$
 c) $\frac{3}{4} = \frac{6}{8} = \frac{15}{20} = \frac{24}{32}$
 d) $\frac{5}{6} = \frac{10}{12} = \frac{15}{18} = \frac{25}{30}$
2.
 a) $1 + \frac{5}{6} = 1\frac{5}{6}$ b) $2 + \frac{1}{4} = 2\frac{1}{4}$ c) $5 + \frac{5}{7} = 5\frac{5}{7}$ d) $9 + \frac{3}{10} = 9\frac{3}{10}$
 $1 + \frac{2}{7} = 1\frac{2}{7}$ $3 + \frac{1}{2} = 3\frac{1}{2}$ $6 + \frac{7}{8} = 6\frac{7}{8}$ $12 + \frac{8}{9} = 12\frac{8}{9}$

3.
 $2 - \frac{1}{4} = 1\frac{3}{4}$ $5 - \frac{1}{5} = 4\frac{4}{5}$ $8 - \frac{4}{9} = 7\frac{5}{9}$ $9 - \frac{7}{8} = 8\frac{1}{8}$
 $3 - \frac{2}{3} = 2\frac{1}{3}$ $6 - \frac{3}{5} = 5\frac{2}{5}$ $7 - \frac{7}{9} = 6\frac{2}{9}$ $8 - \frac{5}{6} = 7\frac{1}{6}$

4.
 a) $1 \xrightarrow{+\frac{1}{4}} 1\frac{1}{4} \xrightarrow{+\frac{1}{4}} 1\frac{2}{4} \xrightarrow{+\frac{1}{4}} 1\frac{3}{4} \xrightarrow{+\frac{1}{4}} 2$
 b) $2 \xrightarrow{+\frac{1}{2}} 2\frac{1}{2} \xrightarrow{+\frac{1}{2}} 3 \xrightarrow{+\frac{1}{2}} 3\frac{1}{2} \xrightarrow{+\frac{1}{2}} 4$
 c) $4 \xrightarrow{+\frac{1}{3}} 4\frac{1}{3} \xrightarrow{+\frac{1}{3}} 4\frac{2}{3} \xrightarrow{+\frac{1}{3}} 5 \xrightarrow{+\frac{1}{3}} 5\frac{1}{3}$

HW 42

1.
 a) 53 539
 b) 825 8254
 c) 306 30 607
2.
 a) 48 723 , 46 723 , 45 723
 b) 54 861 , 54 681 , 54 168
 c) 97 899 , 89 798 , 87 989
 d) 32 433 , 23 434 , 23 343
 e) 710 927 , 610 792 , 510 972
3.
 a) 46 941 , 46 939
 b) 28 580 , 28 578
4.
 a) 75 223 ; 75 323 ; ...
 b) 30 668 ; 31 668 ; ...
 c) 59 287 ; 57 287 ; ...
 d) 89 015 ; 88 815 ; ...

HW 43

- 128
 - 89
 - 26
 - 49
- R5,40
 - R6,70
 - R7,25
 - R11,35
 - R20,01
 - R27,05
- 84c
R2,60
 - 72c
90c
 - R1,60
R5,60
 - R1,08
R1,32
- $1200c = R12,00$
 $3200c = R32,00$
 - R540,00
R840,00

HW 44

- | | | | |
|----|-----|-----|-------|
| a) | b) | c) | d) |
| 8c | R30 | 28c | R7,60 |
| 5c | R60 | R24 | R1,70 |
| 8c | R70 | R12 | R0,80 |
- R2,90
 - R3,00
 - R180,00
- R321,00
 - R10,53
 - $R60,00 - R34,26 = R25,74$
- R2,05
R16,40
 - R27,30
 $6 \times R27,30 = R163,80$

HW 45

- 3rd amount / 3^{de} bedrag
 $= R698,50 - (R176,50 + R365,70)$
 $= R698,50 - R542,20$
 $= R156,30$
 - Total cost / Totale koste
 $= R234 \div 6 + R234,00$
 $= R39,00 + R234,00$
 $= R273,00$

- R80,00
 $5 \times R80,00 = R400,00$
 - $7 \times R16,50 = R112 + R3,50$
 $= R115,50$
 $5 \times R115,50 = R577,50$

3.

a)

Cost Price / Koopprys	Selling Price / Verkooprys	Profit / Wins
76c	95c	19c
R162	R196	R34
R26	R30,50	R4,50
R52	R65	R13

b)

Cost Price / Koopprys	Selling Price / Verkooprys	Loss / Verlies
65c	49c	16c
R76,80	R60,50	R16,30
R162	R132,00	R30
R295	R240	R55

4.

- Profit = SP - CP / Wins = VP - KP
 $= 8 \times R12 - R72$
 $= R96 - R72$
 $= R24,00$
- Profit = SP - CP / Wins = VP - KP
 $= R210 \div 12 - R15$
 $= R17,50 - R15$
 $= R2,50$

HW 46

- perimeter / omtrek
 - m
 - area / oppervlakte
 - square units: $m^2; cm^2, mm^2$ / vierkante eenhede: $m^2; cm^2, mm^2$
- AB = 37 mm and BC = 19 mm
 Perimeter / Omtrek
 $= 2 \times (37 + 19) mm$
 $= 2 \times 56 mm$
 $= 112 mm$
 - PQ = 33 mm, PR = 18 mm & RQ = 28 mm
 Perimeter / Omtrek
 $= 33 + 18 + 28 mm$
 $= 79 mm$
 - KL = 38mm & NK = 23mm
 Perimeter / Omtrek
 $= 2 \times (38 + 23)mm$
 $= 2 \times 61 mm$
 $= 122 mm$

HW 47

- i) 24 cm
ii) 20 cm^2
 - i) 26 cm
ii) 24 cm^2
 - i) 12 cm 6 mm + 16 cm
 $= 28 cm 6 mm$
 ii) 34 $\frac{1}{2} cm^2$
- $172 m \div 4 = 43 m$
 - $150 - (65 + 43) mm$
 $= 150 - 108 mm = 42 mm$

HW 48

- its capacity / sy inhoud
 - volume
 - i) 1 cm^2 .
ii) 1 cm^3
- 5
 - 8
 - 10
 - 19
 - 14
 - 24

HW 49

- | | | | |
|----|----|----|----|
| a) | b) | c) | d) |
| 3 | 6 | 9 | 11 |
| 5 | 8 | 10 | 6 |
- | | | | |
|----|----------------|----------------|-----------------|
| a) | b) | c) | d) |
| 2 | $1\frac{2}{3}$ | $1\frac{2}{5}$ | $1\frac{2}{9}$ |
| 2 | $1\frac{3}{4}$ | $3\frac{3}{5}$ | $4\frac{1}{10}$ |
- $\frac{6}{9} = \frac{2}{3}$
 - $\frac{9}{12} = \frac{3}{4}$
 - $\frac{4}{16} = \frac{1}{4}$
- | | | |
|----|----|----|
| a) | b) | c) |
| 9 | 13 | 19 |
| 17 | 20 | 13 |

d)	e)	f)
25	25	29
12	29	37
18	37	56

HW 50

- $\frac{7}{2} = \frac{6}{2} + \frac{1}{2} = 3\frac{1}{2}$
 $\frac{13}{2} = \frac{12}{2} + \frac{1}{2} = 6\frac{1}{2}$
 $\frac{19}{2} = \frac{18}{2} + \frac{1}{2} = 9\frac{1}{2}$

b)

$$\frac{5}{4} = \frac{4}{4} + \frac{1}{4} = 1\frac{1}{4}$$

$$\frac{11}{4} = \frac{8}{4} + \frac{3}{4} = 2\frac{3}{4}$$

$$\frac{19}{4} = \frac{16}{4} + \frac{3}{4} = 4\frac{3}{4}$$

c)

$$\frac{11}{3} = \frac{9}{3} + \frac{2}{3} = 3\frac{2}{3}$$

$$\frac{17}{3} = \frac{15}{3} + \frac{2}{3} = 5\frac{2}{3}$$

$$\frac{22}{3} = \frac{21}{3} + \frac{1}{3} = 7\frac{1}{3}$$

2.

a)	b)	c)	d)
12	30	8	8
12	30	12	12
12	30	40	50

3.

a)	b)	c)
$2 \times 9 = 18$	$3 \times 6 = 18$	$7 \times 6 = 42$
$3 \times 7 = 21$	$3 \times 6 = 18$	$7 \times 9 = 63$
$4 \times 6 = 24$	$3 \times 6 = 18$	$7 \times 7 = 49$

- 4.
- a) i) Fraction paid / Breukdeel betaal
 $= \frac{2}{7} + \frac{1}{7} = \frac{3}{7}$
- ii) Fraction left / Breukdeel oor = $\frac{4}{7}$
- b) i) No. of marks / Aantal punte
 $= \frac{5}{16} \times 60 = 50$
- ii) Fraction lost / Breukdeel verloor = $\frac{1}{6}$

a) **HW 51**

- 1.
- a) $12g + 4g = 16g$
 b) $R20 - R8 = R12$
 c) $18\ell + 9\ell = 27\ell$
- 2.
- a) Fraction read / Breukdeel gelees
 $= \frac{1}{4} + \frac{1}{4} = \frac{1}{2}$
- b) Fraction spent / Breukdeel spandeer
 $= \frac{6}{10} + \frac{3}{10} = \frac{9}{10}$
- 3.
- a)
- i) Amount on book / Bedrag op boek
 $= \frac{1}{3} \times R90$
 $= R30$
- ii) Amount left / Bedrag oor = R60
 Amount at tuckshop / Bedrag by winkel
 $= \frac{5}{12} \times R60$
 $= R25$
- b)
- i) No. sold / Aantal verkoop
 $= \frac{1}{4} \times 280$
 $= 70$
- ii) No. left / Aantal oor = 210
 No. sold / Aantal verkoop
 $= \frac{3}{7} \times 210$
 $= 90$




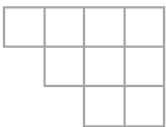
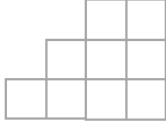
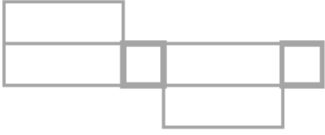
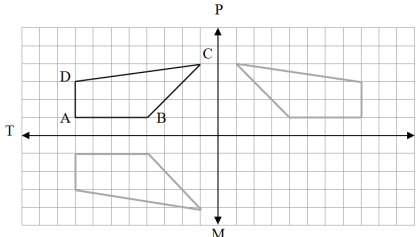
MIXED QUESTIONS / GEMENGDE VRAE

A

HW 52

- 1.
- a) 500
 b) 40 000
 c) 1000
- 2.
- a) 915 ; 940 ; 965 ; ...
 b) 4774 ; 4974 ; 5174 ; ...
 c) 7610 ; 7590 ; 7570 ; ...
 d) 4235 ; 4085 ; 3935 ; ...
- 3.
- a) $580 + 99 = 679$.
 b) 49 490
- 4.
- a) 1662
 b) 9524
 c) 362
 d) 1639
- 5.
- a) 3616 ; 3816 ; 4016 ; 4216 ; 4416
 b) 876 ; 975 ; 1074 ; 1173 ; 1272
- 6.
- a) 384
 b) 24
- 7.
- a) 2400 2450 2600
 b) 4250 4750 5500 6000
- 8.
- a) 7431
 b) 1585
 c) 4774
 d) 9843
- 9.
- a) 37 600
 b) 38 000
- 10.
- a) $600 - 350 \approx 250$
 or/of
 $600 - 300 \approx 300$
- b) $200 \times 200 \approx 40\ 000$
 or/of
 $200 \times 160 \approx 32\ 000$
- 11.
- a) 3700
 b) $2728 \times 10 = 27\ 280$
 c) 103
 d) 60
- e)
- i. 250
 ii. 50
 iii. 175

B

- 1.
- a) 
- b) 
- c) 
- 2.
- a) A rectangular prisma / reghoekige prisma
 b) A triangular prism / driehoekige prisma
 c) A square-based pyramid / Vierkantige-basis piramide
- 3.
- a) 2
 b) 0
 c) 4
 d) 2
 e) 6
 f) 0
- 4.
- a) 6
 b) 5
 c) 4
 d) 8
- 5.
- a) 6
 b) 16
 c) 10
- 6.
- a) 
- b) 
- 7.
- 
- 8.
- 



9.

- a) Q(6 ; 1)
R(10 ; 1)
- b) K(6 ; 7)
L(6 ; 5)
M(10 ; 5)
- c) A(12 ; 7)
B(12 ; 5)
C(16 ; 5)

10.

- a) B C D E
- b) A M T U V W Y
- c) H O X

C

1.

- a) 48 ; 54 ; 60 ; 66
- b) 77 ; 84 ; 91 ; 98

2.

- a) $63 - 30 = 33$
- b) $96 + 12 = 108$
- c) $7 \times 8 = 56$
- d) $132 - 28 = 104$

3.

- a) 1074
- b) 2436
- c) 4920
- d) 2322

4.

- a) multiple / veelvoud
- b) factor / faktor

5.

- a) 1, 2, 3, 4, 6, 12
- b) 1, 2, 4, 5, 10, 20
- c) 1, 3, 5, 9, 15, 45

6.

- a) 0
- b) 0
- c) $1 + 0 = 1$
- d) 87
- e) 9
- f) 8×17

7.

- a) $76 \times 6 \times 3$
 $= 456 \times 3$
 $= 1368$
- b) $429 \times 7 \times 4$ (or 4×7)
 $= 3003 \times 4$
 $= 12\ 012$

8.

- a) 540×7
 $= 3780$
- b) 3640×9
 $= 32\ 760$

9.

- a) $328 \times 8 \times 4$
 $= 2624 \times 4$
 $= 10\ 496$
or/of

$$328 \times 4 \times 8$$

$$= 1312 \times 8$$

$$= 10\ 496$$

b) $2346 \times 9 \times 5$
 $= 21\ 114 \times 5$
 $= 105\ 570$

or/of

$$2346 \times 5 \times 9$$

$$= 11\ 730 \times 9$$

$$= 105\ 570$$

10.

- a) $40 \times 76 \approx 3040$
- b) $100 \times 467 \approx 46\ 700$

11.

- a) 486
- b) $3 \times 486 = 1458$
- c) 56
- d) $67 \div 2 = 33\frac{1}{2}$

12.

- a) $33 \div 11 = 3$
- b) $9 \times 12 + 4 = 108 + 4 = 112$

13.

a)	b)	c)	d)
12	12	8	8
9	8	9	7
6	6	12	9
4	4	12	12

14.

a)	b)	c)
7 r2	7 r4	7 r2
7 r3	7 r5	6 r4
9 r2	4 r5	11 r6

15.

- a) $360 \div 10 \div 4 = 36 \div 4 = 9$
- b) $540 \div 10 \div 6 = 54 \div 6 = 9$
- c) $1260 \div 10 \div 7 = 126 \div 7 = 18$
- d) $2070 \div 10 \div 9 = 207 \div 9 = 23$

16.

- a) 56
- b) 72
- c) 82

17.

- a) $160 \div 40 \approx 4$
- b) $600 \div 20 \approx 30$

18.

- a) $1128 \div 6 \div 4$ [24 = 2 x 12]
 $= 188 \div 4$ [= 3 x 8]
 $= 47$ [= 6 x 4]
- b) $9009 \div 9 \div 7$ or/of $9009 \div 7 \div 9$
 $= 1001 \div 7$ or/of $1287 \div 9$
 $= 143$ or/of 143

19.

- a) $1056 \div 24 = 528 \div 12 = 264 \div 6$
 $= 132 \div 3 = 44$
- b) $2752 \div 32 = 1376 \div 16 = 688 \div 8$
 $= 344 \div 4 = 172 \div 2 = 86$

20.

a) $\underline{-260} \leftarrow 20 \times 13$

117

$\underline{-117} \leftarrow 9 \times 13$

0

$3777 \div 13 = 29$

b) $\underline{-820} \leftarrow 20 \times 41$

123

$\underline{-123} \leftarrow 3 \times 41$

0

$943 \div 41 = 23$

21.

- a) $9 \div 3 = 3$
- b) $9 - 6 = 3$
- c) $0 + 98 = 98$
- d) $84 \div 7 = 12$ or/of $8 + 4 = 12$
- e) $84 + 1 = 85$
- f) $144 - 99 = 45$
- g) $8 - 4 = 4$
- h) $500 - 200 = 300$

22.

- a) 90 360 18
- b) 144 200 8
- c) 240 30 210

D

1.

a)	b)	c)
3000	5000	2
700	2250	$4\frac{1}{2}$
2500	7750	$6\frac{1}{4}$

2.

- a) 1728
- b) 108
- c) 5194

3.

- a) 1662 cm
- b) 1643 kg
- c) 457 l
- d) $463 \times 5 \times 3\ mm$
 $= 2315 \times 3\ mm$
 $= 6945\ mm$
- e) $609 \div 7 \div 3\ cm$
 $= 87 \div 3\ cm$
 $= 29\ cm$

4.

- a) $1560\ kg \div 2 = 780\ kg$
 $1560\ kg \div 3 = 520\ kg$
 $1560\ kg \div 12 = 130\ kg$
 $7 \times 130\ kg = 910\ kg$
- b) $288\ l \div 3 = 96\ l$
 $96\ l \div 3 = 32\ l$ or/of $288\ l \div 9 = 32\ l$
 $8 \times 32\ l = 256\ l$



E

1.
a) Perimeter / Omtrek
= $4 \times 85 \text{ cm}$
= 340 cm
b) Perimeter / Omtrek
= $2 \times (l + b)$
= $2 \times (650 + 260) \text{ cm}$
= $2 \times 910 \text{ cm}$
= 1820 cm

2.
a) $286 \text{ m} \div 4 \text{ m} = 67 \text{ m}$
b) $1872 \text{ m} \div 4 = 468 \text{ m}$

3.
a) 36 cm^2
b) 16 cm^2
c) $32 \text{ cm}^2 \div 2 = 16 \text{ cm}^2$

4.
a) volume / volume
b) capacity / inhoud

5.
a) 18
b) 24
c) 19

F

1.
a) $\frac{1}{2} > \frac{1}{3}$
 $\frac{1}{4} > \frac{1}{5}$
b) $\frac{2}{3} > \frac{2}{5}$
 $\frac{3}{8} < \frac{3}{7}$
c) $\frac{7}{10} > \frac{7}{100}$
 $\frac{9}{1000} < \frac{9}{100}$
d) $\frac{31}{5} > 6$
 $4 < \frac{19}{4}$

2.
a) $\frac{4}{15}$ b) $\frac{5}{13}$ c) $\frac{1}{4}$
 $\frac{15}{36}$ $\frac{13}{33}$ $\frac{4}{3}$

3.
a) $3\frac{1}{2}$ b) $1\frac{2}{3}$ c) $6\frac{1}{2}$ d) $5\frac{2}{7}$
 $2\frac{1}{3}$ $1\frac{1}{5}$ $6\frac{2}{3}$ $6\frac{5}{8}$
 $1\frac{3}{4}$ $1\frac{2}{7}$ $8\frac{3}{4}$ $8\frac{7}{9}$

4.
a) $\frac{1}{3}$ b) $1\frac{1}{4}$ c) $\frac{1}{2}$ d) $1\frac{3}{4}$
 $\frac{3}{5}$ $2\frac{1}{5}$ $\frac{2}{5}$ $1\frac{2}{3}$
 $\frac{7}{9}$ $4\frac{5}{7}$ $\frac{1}{12}$ $2\frac{1}{6}$

5.
a) 9 b) 18 c) 28 d) 1
12 36 35 $\frac{1}{2}$
12 48 56 $\frac{1}{3}$

6.
a) $\frac{1}{6}$ $\frac{1}{2}$ $1\frac{1}{3}$
b) $\frac{1}{5}$ $\frac{3}{5}$ $\frac{7}{10}$ $\frac{9}{10}$

G

1.
 $R247,23 + R178,47 - R358,60$
= $R425,70 - R358,60$
= $R67,10$

2.
No. of cards / Aantal kaarte
= $(76 + 43 + 67) \div 3$
= $186 \div 3$
= 62

3.
No. of sheep / Aantal skape
= $346 + 346 + 49$
= $692 + 49$
= 741

4.
Amount / Bedrag
= $(R90,50 - R15,40) \div 2$
= $R75,10 \div 2$
= $R37,55$

5.
 $P = 21 \times R160 - 24 \times R120$
= $R3360 - R2880$
= $R480$

6.
Difference / Verskil
= $11\text{yr } 4\text{m} - 8\text{yr } 7\text{m}$
= $10\text{yr } 16\text{m} - 8\text{yr } 7\text{m}$
= $2\text{yr } 9\text{m}$

7.
 $\frac{2}{5}$ of money/van geld = R5,60
 $\frac{1}{5}$ of money/van geld = R2,80
 $\frac{5}{5}$ of money/van geld = R14,00

8.
Fraction girls / Breukdeel meisies
= $\frac{36-21}{36} = \frac{15}{36} = \frac{5}{12}$

9.
Time / Tyd
= $2.40 + 36\text{min} + 32\text{min}$
= $2.40 + 68\text{min}$
= 3.48 p.m. / nm.

10.
4 bottles / bottels in 1 /
No. of bottles / Aantal bottels
= 4×30
= 120

11.
No. of apples each / Aantal appels elk
= $476 \div 28$
= $476 \div 7 \div 4$
= $68 \div 4$
= 17
No. of apples 16 boys /
Aantal appels 16 seuns
= 16×17
= $2 \times 8 \times 17$
= 2×136
= 272

H

1.
a) 11 : 20
b) 6 : 11

2.
a) 9 years/jare ($3 \times 3 = 9$)
b) 28 years/jare ($4 \times 7 = 28$)

3.
a) $24 \times R9 = R216$
b) $R180 \div 12 = R15$
c) $450 \text{ km} \div 5 \text{ h} = 90 \text{ km per hour/per uur}$
d) $1200 \div 30 = 40$

4.
a) 9 ($18 \div 2$)
b) 6 ($18 \div 3$)
c) 1 ($6 \div 6$)

5.
a) 12 $3 \times n$ 60
b) 13 $3 \times n + 1$ 301
c) 15 $4 \times n - 1$ 159
d) 16 $n \times n$ 10 000

6.
a) 28 ; 35 ; 42 ; ...
Rule/Reël: +7
b) 15 ; 8 ; 1 ; ...
Rule/Reël: -7
c) 1; $1\frac{1}{4}$; $1\frac{1}{2}$; ...
Rule/Reël: $+\frac{1}{4}$
d) 5 ; 8 ; 13 ; ...
Rule: + 2 last numbers /
Reël: + 2 laaste getalle
e) 12 ; 6 ; 3 ; ...
Rule/Reël: $\div 2$

7.
a) $186 - 87 = 99$
b) $1168 \div 8 = 146$
c) $276 \div 12 = 23$
d) 5 because/want $135 \div 7 = 19 \text{ r } 2$

I

1.
a) $30 \text{ min} + 2\text{h} + 15 \text{ min} = 2\text{h } 45 \text{ min}$
b) $20 \text{ min} + 2\text{h} + 10 \text{ min} = 2\text{h } 30 \text{ min}$
c) $28 \text{ min} + 4\text{h} + 9 \text{ min} = 4\text{h } 37 \text{ min}$



- 2.
- | | | | |
|-------------------------|-------------------------|--|------------------------------------|
| a)
180
150
195 | b)
120
330
615 | c)
4
$\frac{3}{4}$
$5\frac{1}{2}$ | d)
2
$1\frac{1}{2}$
126 h |
|-------------------------|-------------------------|--|------------------------------------|
-
- | | | | |
|--|-----------------------------------|-------------------------|--|
| e)
$\frac{1}{4}$
$2\frac{1}{2}$
$\frac{1}{2}$ | f)
108
54
$3\frac{1}{4}$ | g)
40
700
3000 | |
|--|-----------------------------------|-------------------------|--|

- 3.
- a) $4 + 31 + 30 + 26 = 91$
 b) $13 + 29 + 14 = 56$
- 4.
- | | |
|---------------|----------|
| a) 14
= 15 | 16
4 |
| b) 6
= 7 | 32
8 |
| c) 9
= 10 | 24
0 |
| d) 23
= 24 | 80
20 |
- 5.
- | | |
|-------|----|
| a) 2 | 21 |
| b) 22 | 30 |
| c) 6 | 4 |
| d) 19 | 8 |

- 6.
- a) Arrival time / Aankomstyd
 = 09:25 + 2h + 55 min
 = 11:25 + 55 min
 = 12:20
- b) Getting up time / Opstaantyd
 = 07:45 - (15 + 20 + 25)min
 = 07:45 - 60 min
 = 06:45

J

1.
17 18
- 2.
- a) tin / blik
 b) 1
 c) 24 kg
- 3.
- a) Women sector > than men sector/
 Sektor vroue > sektor mans
- b) $\frac{1}{2}$ of/van ($\frac{1}{4} \times 120$) = $\frac{1}{2} \times 30 = 15$
- c) Fraction men < $\frac{1}{4}$ of total
 Breukdeel mans < $\frac{1}{4}$ van totaal

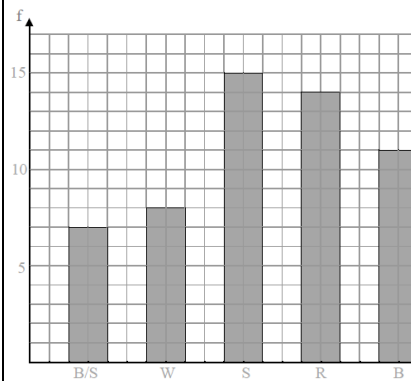
4.

a)

<i>f</i>
7
8
15
14
11

- b) silver
 c) 55
 d) i) $\frac{11}{55} = \frac{1}{5}$
 ii) $\frac{15}{55} = \frac{3}{11}$

e)



C

**Multiple Choice Questions/
 Meervoudige Keusevrae**

- | | | | |
|-------|-------|-------|-------|
| 1. B | 2. C | 3. D | 4. B |
| 5. B | 6. D | 7. A | 8. C |
| 9. C | 10. B | 11. B | 12. C |
| 13. D | 14. D | 15. D | 16. C |
| 17. A | 18. B | 19. B | 20. C |
| 21. C | 22. D | 23. B | 24. B |
| 25. A | 26. D | 27. B | 28. C |
| 29. C | 30. D | 31. C | 32. B |
| 33. D | 34. A | 35. C | 36. D |
| 37. D | 38. C | 39. D | 40. A |
| 41. C | 42. C | 43. B | 44. D |
| 45. B | 46. D | 47. B | 48. C |
| 49. C | 50. A | 51. D | 52. C |
| 53. B | 54. D | 55. C | 56. B |
| 57. C | 58. C | 59. C | 60. B |
| 61. A | 62. D | 63. B | 64. D |
| 65. B | 66. D | 67. B | 68. C |
| 69. C | 70. C | 71. D | 72. B |
| 73. C | 74. D | 75. B | 76. B |
| 77. A | 78. B | 79. C | 80. A |
| 81. C | 82. D | 83. A | 84. B |
| 85. C | 86. B | 87. C | 88. B |
| 89. D | 90. B | | |