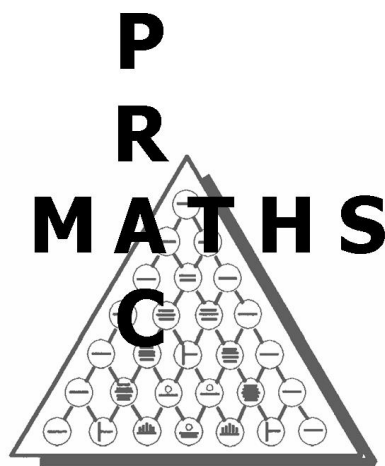


Gr 6

Supplementary Maths Aanvullende Wiskunde



ANSWERS ANTWOORDE

Set by / Opgestel deur
Seeliger ~ Mouton

Tel (012) 460 3907

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ANSWERS / ANTWOORDE				Prac 11	Prac 12	Prac 13	Prac 14	Prac 32															
A				39	52	24	141	1. 73 → 82 → 91 → 100															
Mental Maths / Hoofrekene				40	53	34	161	2. 88 → 79 → 70 → 61															
Prac 1				41	54	44	181	3. 163 → 171 → 179 → 187															
1. 2				42	55	64	291	4. 224 → 216 → 208 → 200															
2. 2				44	56	94	501	5. 452 → 443 → 451 → 443															
3. 2				32	69	32	153																
4. 8				33	70	42	173	Prac 33															
5. 8				34	71	62	283	1. 62 → 81 → 100 → 119															
6. 3				36	72	82	393	2. 167 → 148 → 129 → 110															
7. 6				38	73	92	503	3. 274 → 323 → 372 → 421															
8. 900				Prac 15				Prac 16				Prac 17				Prac 18							
9. 80000				19	10	10	67	19	10	10	67	4. 496 → 595 → 694 → 793											
10. 4000				29	30	13	45	29	30	13	45	5. 469 → 370 → 271 → 172											
Prac 2				39	40	14	48	49	50	13	56	Prac 34											
1. 521				59	60	19	67	8	10	10	88	1. 797 ; 847 ; 897 ; ...											
2. 2042				8	10	10	88	28	30	16	77	2. 8576 ; 8676 ; 8776 ; ...											
3. 10 000				38	40	19	88	48	50	17	99	3. 5983 ; 6183 ; 6383 ; ...											
4. 435 007				78	80	18	128	6	7	10	13	4. 331 ; 356 ; 381 ; ...											
5. 869 013				Prac 19				Prac 20				Prac 21				Prac 22							
Prac 3				11	9	9	10	9	8	8	9	5. 6503 ; 6528 ; 6553 ; ...											
1. 27 ___ 47 ___ 67 ___ 77 ___ 97				9	8	8	9	7	7	7	8	6. 4073 ; 4043 ; 4013 ; ...											
2. 364 ___ 436 ___ 463 ___ 634 ___ 643				7	7	7	8	5	6	6	7	7. 9178 ; 9128 ; 9078 ; ...											
3. 2156 ___ 5162 ___ 5621 ___ 6251 ___ 6512				5	6	6	7	3	5	5	9	8. 4433 ; 4333 ; 4233 ; ...											
4. 53 612 ___ 53 621 ___ 56 123 ___ 65 123				10	9	10	8	8	8	9	10	9. 3575 ; 3550 ; 3525 ; ...											
5. 471 824 ___ 472 841 ___ 482 471 ___ 484 271				8	8	9	10	6	7	10	9	10. 3050 ; 2850 ; 2650 ; ...											
Prac 4				4	6	7	10	4	6	7	10	Prac 35											
1. 93 84 67 58 41				2	4	6	13	Prac 23				Prac 24				Prac 25				Prac 26			
2. 971 719 532 523 452				52	44	59	49	52	44	59	49	1. 5710 ; 5730 ; 5750 ; ...											
3. 3762 3643 3462 3267 3263				62	54	69	69	72	64	49	45	2. 4890 ; 4870 ; 4850 ; ...											
4. 9853 9835 9583 8953 8935				72	64	49	45	51	37	59	55	3. 2473 ; 2572 ; 2671 ; ...											
5. 643 721 643 271 642 371				51	37	59	55	61	57	49	75	4. 3345 ; 3246 ; 3147 ; ...											
				61	57	49	75	71	67	69	49	5. 29 584 ; 30 584 ; 31 584 ; ...											
Prac 5				47	23	39	59	47	23	39	59	6. 65 914 ; 64 914 ; 63 914 ; ...											
a) <				57	43	59	78	57	43	59	78	7. 27 573 ; 30 573 ; 33 573 ; ...											
b) >				67	53	69	49	67	53	69	49	8. 29 425 ; 25 425 ; 21 425 ; ...											
c) <				87	63	89	69	67	53	69	49	9. 60 000 ; 62 500 ; 65 000 ; ...											
d) >				Prac 27				Prac 28				Prac 29											
e) <				48	2				139				10. 42 768 ; 32 768 ; 22 768 ; ...										
f) <				108	1				167				Prac 36										
g) <				59	5				396				Prac 37										
h) <				67	1				179				Prac 38										
i) >				89	3				999				Prac 39										
j) >				Prac 30				Prac 31				Prac 40											
1. =				1. >				1. >				Prac 41											
2. =				2. <				2. <				Prac 42											
3. >				3. <				3. <				Prac 43											
4. >				4. >				4. >				6											
5. >				5. =				5. =				11											
6. <				6. <				6. <				4											
7. =				7. >				7. >				7											
8. >				8. >				8. >				5											
9. <				9. <				9. <				11											
10. =				10. <				10. <				8											
Prac 7				Prac 8				Prac 9				Prac 10											
11				13				15				23											
11				13				15				25											
11				13				15				26											
11				13				16				27											
11				13				16				59											
12				14				16				61											
12				14				17				62											
12				14				17				64											
12				14				18				81											
12				14				18				83											



Prac 44 14 24 36 49 108 56 99 72 30 35	Prac 45 42 88 63 32 28 48 72 70 28 45	Prac 46 63 56 18 81 64 27 96 32 45 42	Prac 47 35 40 54 21 45 80 84 28 30 27	7. 8 8. 17 9. 48 10. 60	7. 7 8. 63 9. 37 10. 81	Prac 70 1. 228 means/ beteken dat $30 \times 76 = 2280$ 2. 235 means/ beteken dat $50 \times 47 = 2350$ 3. 238 means/ beteken dat $70 \times 34 = 2380$ 4. 224 means/ beteken dat $80 \times 28 = 2240$ 5. 585 means/ beteken dat $90 \times 65 = 5850$
Prac 48 2 5 2 7 8 9 4r2 5r3 4r2 5r6	Prac 49 5 3 5 4 9 4 5r4 7r3 5r4 6r7	Prac 50 11 7 8 11 7 12 2r2 3r3 4r3 9r3	Prac 51 9 8 6 10 10 11 5r5 9r5 11r5 9r9	Prac 59 1. 8 8 8 2. 9 5 2 3. 5 8 8 7 4. 8 8 8 8 5. 5 9 6 3	Prac 60 1. 8 5 6 4 2. 5 8 9 8 7 3. 9 5 3 5 2 4. 9 2 8 2 8 5. 9 0 2 1 9 8	Prac 71 1. 54 54 54 9 2. 56 56 8 56 7 3. 48 48 12 48 4 4. 155 155 5 155 31 5. 192 192 3 192 64
Prac 52 1. 4 8 72 6 10 90 8 12 108 2. 3 24 6 6 48 12 10 80 20 3. 108 96 195 90 78 177 54 42 141 72 60 159	Prac 53 21 54 48 84 108 36 96 63 13 11	Prac 54 72 60 72 121 49 48 32 45 15 23	Prac 55 7 18 9 7 9 10 80 32 24 2	Prac 56 5 8 6 8 0 36 28 75 38 11	Prac 61 1. 5 2 2. 2 7 3. 1 2 7 4. 1 2 3 5. 2 3 9	Prac 72 a) $29 \times (4 + 10 + 300)$ $= (29 \times 4) + (29 \times 20) + (29 \times 300)$ $= 116 + 290 + 8700$ $= 9106$ b) $67 \times (8 + 20 + 400)$ $= (67 \times 8) + (67 \times 20) + (67 \times 400)$ $= 536 + 1340 + 26800$ $= 28676$
Prac 57 1. 8 2. 9 3. 5 4. 1 5. 35 6. 12	Prac 58 1. 4 2. 20 3. 8 4. 16 5. 4 6. 3	Prac 62 1. 1 0 4 3 2. 4 5 3 1 3. 3 0 6 7 9 4. 8 8 7 8 5. 1 9 3 0 9	Prac 63 6 270 6300 6000 37 520 37 500 38 000 41 260 41 300 41 000 75 490 75 500 75 000 96 240 96 200 96 000	Prac 64 17 525 17 520 17 500 18 000 20 000	Prac 65 768 420 768 420 768 400 768 000 770 000	Prac 73 a) $682 \times 8 \times 7$ $= 5456 \times 7$ $= 38192$ b) $12 \times 7 \times 751$ $= 12 \times 5257$ $= 63084$
Prac 66 a) 120 1200 210 2100 3600 b) 280 2800 450 4500 4500 c) 900 1600 2500 3600 6400 d) 2700 2700 4000 4000 5400	Prac 67 65 68 168 192 369 424 135 76 276 567	Prac 68 98 108 171 230 252 328 108 402 175 581	Prac 69 468 669 488 1075 1785 1038 1526 3248 4992 4833	Prac 74 a) $\begin{array}{r} 358 \\ \times 34 \\ \hline 1432 \\ 10740 \\ \hline 12172 \end{array}$ b) $\begin{array}{r} 419 \\ \times 45 \\ \hline 2095 \\ 16760 \\ \hline 18855 \end{array}$ c) $\begin{array}{r} 572 \\ \times 67 \\ \hline 4004 \\ 34320 \\ \hline 38324 \end{array}$	Prac 75 a) 11 106 12 340 23 446 b) 13 128 218 800 231 928 c) 18 910 226 920 245 830 d) 36 365 155 850 192 215	Prac 76 1. 2, 4, 6, 8, 10 2. 4, 8, 12, 16, 20 3. 6, 12, 18, 24, 30 4. 8, 16, 24, 32, 40 5. 10, 20, 30, 40, 50
Prac 77 1. 3, 6, 9, 12, 15 2. 5, 10, 15, 20, 25 3. 7, 14, 21, 28, 35 4. 9, 18, 27, 36, 45 5. 11, 22, 33, 44, 55	Prac 78 1. 36, 42, 48, 54, 60, 66 2. 30, 40, 50, 60, 70, 80 3. 49, 56, 63, 70, 77, 84, 91 4. 45, 50, 55, 60, 65 5. 64, 72, 80, 88, 96	Prac 79 1. 36, 45, 54, 63 2. 35, 42, 49, 56, 63 3. 33, 44, 55, 66, 77 4. 48, 56, 64, 72 5. 48, 60, 72, 84, 96				



Prac 80

a)	b)	c)	d)
6	4	12	3
8	4	8	4
9	3	6	6
4	4	4	6
3	6	5	8

Prac 81

a) $318 \times 5 \times 3 = 1590 \times 3 = 4770$

b) $435 \times 7 \times 3 = 3045 \times 3 = 9135$

c) $574 \times 9 \times 6 = 5166 \times 6 = 30996$

d) $189 \times 8 \times 4 = 1512 \times 4 = 6048$

Prac 82

a) $560 \div 8 \div 2 = 70 \div 2 = 35$

b) $644 \div 7 \div 4 = 92 \div 4 = 23$

c) $855 \div 9 \div 5 = 95 \div 5 = 19$

d) $918 \div 9 \div 6 = 102 \div 6 = 17$

Prac 83

1.

a) a rectangle / reghoek
 b) a quadrilateral / vierhoek
 c) a pentagon / pentagoon
 d) a regular hexagon / reëlmatige heksagoon

2.

a) an obtuse angle / stomp hoek
 b) a straight angle / gestrekte hoek
 c) an acute angle / skerp hoek
 d) a reflex angle / inspringende hoek

3.

a right angle / 'n regte hoek
 an acute angle / 'n skerp hoek

Prac 84

- 08:00
- 20:00
- 10:25
- 22:25
- 03:55
- 15:55
- 08:40
- 20:40
- 05:45
- 17:45

Prac 85

- 1h 45min
- 1h 25min
- 2h 50min
- 2h 35min
- 3h 10 min
- 1h 55min
- 1h 50min
- 2h 45min
- 2h 25min
- 1h 40min

Prac 86

- 120
- 210
- 180
- 15
- 12

Prac 87

- $1\frac{1}{2}$
- $2\frac{1}{4}$
- $3\frac{1}{2}$
- $\frac{3}{4}$
- $2\frac{1}{2}$

Prac 88

- 21
- 56
- 5
- 8
- 11

Prac 89

- 48
- 66
- 28
- 3
- $4\frac{1}{3}$

Prac 90

1.

a)

No. in 10th diagram/10de diagram = 19

b)

No. in 10th diagram/10de diagram = 20

2.

a) 2
 b) 4
 c) 0
 d) 1

3.

a) 3
 b) 10

Prac 91

8	12	6	squares/ vierkante
8	12	6	rectangles/ reghoeke
6	9	5	triangles & rectangles/ driehoeke & reghoeke
10	15	7	pentagons & rectangles/ pentagone & reghoeke
12	18	8	hexagons & rectangles/ heksagone & reghoeke

Prac 92

Triangle/ Driehoek	Square/ Vierkant	Heptagon/ Heptagoon
4	5	8
4	5	8
6	8	14
Triangles/ Driehoeke	Triangles/ Driehoeke	Triangles/ Driehoeke

Prac 93

1.

a) A $\frac{1}{2}$ B $\frac{1}{4}$ C $\frac{1}{8}$
 b) A $\frac{1}{3}$ B $\frac{1}{6}$ C $\frac{1}{12}$
 c) A $\frac{1}{3}$ B $\frac{1}{9}$
 d) A $\frac{1}{5}$ B $\frac{1}{10}$

Prac 94

1.

$$1 = \frac{2}{2} = \frac{3}{3} = \frac{4}{4} = \frac{5}{5} = \frac{6}{6}$$

$$= \frac{7}{7} = \frac{8}{8} = \frac{9}{9} = \frac{10}{10} = \frac{12}{12}$$

2.

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

Prac 95

1.

a) $2 = \frac{4}{2} = \frac{6}{3} = \frac{10}{5}$

b) $3 = \frac{12}{4} = \frac{18}{6} = \frac{21}{7}$

2.

Prac 96

a) $\frac{4}{6}$	b) $\frac{6}{9}$	c) $\frac{4}{9}$
d) $\frac{3}{8}$	e) $\frac{7}{4}$	f) $\frac{6}{10}$
g) $\frac{9}{6}$	h) $\frac{5}{7}$	i) $\frac{15}{16}$

Prac 97

1. $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$

2. $\frac{2}{9}$ $\frac{1}{3}$ $\frac{2}{3}$ $1\frac{1}{9}$

3. $\frac{3}{10}$ $\frac{1}{2}$ $\frac{7}{10}$ $\frac{4}{5}$

4. $\frac{1}{6}$ $\frac{1}{4}$ $\frac{1}{2}$ $\frac{5}{6}$

5.

Prac 98

1.

a) $\frac{1}{4}$ $\frac{3}{4}$

b) $\frac{2}{7}$ $\frac{5}{7}$



c) $\frac{1}{3} < \frac{1}{5}$
 d) $\frac{4}{5} < \frac{4}{9}$
 e) $\frac{7}{9} < \frac{7}{10}$

2.
 a) $\frac{3}{3} > \frac{1}{2} > \frac{1}{5} > \frac{1}{7}$
 b) $\frac{1}{3} > \frac{1}{6} > \frac{1}{8} > \frac{1}{9}$
 c) $\frac{7}{7} > \frac{2}{5} > \frac{2}{7} > \frac{1}{5}$
 d) $\frac{5}{4} > \frac{5}{6} > \frac{5}{8} > \frac{5}{10}$
 e) $\frac{2}{3} > \frac{2}{5} > \frac{2}{7} > \frac{2}{9}$

Prac 104

$\frac{1}{2} = \frac{4}{8} = \frac{5}{10}$
 $\frac{2}{3} = \frac{6}{9} = \frac{16}{24}$
 $\frac{2}{5} = \frac{10}{25} = \frac{24}{60}$
 $\frac{2}{9} = \frac{6}{27} = \frac{10}{45}$
 $\frac{4}{7} = \frac{24}{42} = \frac{36}{63}$

Prac 105

$\frac{1}{3} = \frac{4}{12} = \frac{6}{18}$
 $\frac{3}{4} = \frac{9}{12} = \frac{27}{36}$
 $\frac{5}{6} = \frac{20}{24} = \frac{45}{54}$
 $\frac{2}{11} = \frac{6}{33} = \frac{14}{77}$
 $\frac{5}{9} = \frac{20}{36} = \frac{35}{63}$

c) $\frac{11}{2} = 5\frac{1}{2}$
 $\frac{17}{4} = 4\frac{1}{4}$
 $\frac{23}{6} = 3\frac{5}{6}$
 $\frac{63}{11} = 5\frac{8}{11}$
 $\frac{111}{25} = 4\frac{11}{25}$

d) $\frac{11}{5} = 2\frac{1}{5}$
 $\frac{17}{5} = 3\frac{2}{5}$
 $\frac{23}{7} = 3\frac{2}{7}$
 $\frac{63}{20} = 3\frac{3}{20}$
 $\frac{111}{50} = 2\frac{11}{50}$

Prac 106

$\frac{1}{4} = \frac{4}{16} = \frac{7}{28}$
 $\frac{4}{5} = \frac{16}{20} = \frac{28}{35}$
 $\frac{7}{8} = \frac{35}{40} = \frac{63}{72}$
 $\frac{2}{15} = \frac{4}{30} = \frac{10}{75}$
 $\frac{7}{12} = \frac{42}{72} = \frac{56}{96}$

Prac 107

a) $1\frac{1}{2} = \frac{3}{2}$
 $2\frac{1}{3} = \frac{7}{3}$
 $2\frac{1}{4} = \frac{9}{4}$
 $1\frac{2}{3} = \frac{5}{3}$
 $3\frac{5}{8} = \frac{29}{8}$
 b) $1\frac{1}{4} = \frac{5}{4}$
 $4\frac{1}{3} = \frac{13}{3}$
 $5\frac{1}{4} = \frac{21}{4}$
 $2\frac{3}{4} = \frac{11}{4}$
 $5\frac{6}{7} = \frac{41}{7}$
 c) $1\frac{1}{5} = \frac{6}{5}$
 $6\frac{1}{3} = \frac{19}{3}$
 $7\frac{1}{4} = \frac{29}{4}$
 $3\frac{2}{5} = \frac{17}{5}$
 $4\frac{8}{9} = \frac{44}{9}$
 d) $1\frac{1}{7} = \frac{8}{7}$
 $9\frac{1}{3} = \frac{28}{3}$
 $8\frac{1}{4} = \frac{33}{4}$
 $4\frac{3}{7} = \frac{31}{7}$
 $6\frac{5}{12} = \frac{77}{12}$

Prac 108

a) $\frac{11}{3} = 3\frac{2}{3}$
 $\frac{17}{2} = 8\frac{1}{2}$
 $\frac{23}{4} = 5\frac{3}{4}$
 $\frac{65}{6} = 10\frac{5}{6}$
 $\frac{111}{10} = 11\frac{1}{10}$
 b) $\frac{11}{4} = 2\frac{3}{4}$
 $\frac{17}{3} = 5\frac{2}{3}$
 $\frac{23}{5} = 4\frac{3}{5}$
 $\frac{63}{8} = 7\frac{7}{8}$
 $\frac{111}{20} = 5\frac{11}{20}$

Prac 109

a) $\frac{2}{4} = \frac{1}{2}$
 $\frac{4}{8} = \frac{1}{2}$
 $\frac{3}{6} = \frac{1}{2}$
 $\frac{5}{10} = \frac{1}{2}$
 $\frac{6}{12} = \frac{1}{2}$

b) $\frac{4}{6} = \frac{2}{3}$
 $\frac{6}{9} = \frac{2}{3}$
 $\frac{8}{12} = \frac{2}{3}$
 $\frac{10}{15} = \frac{2}{3}$
 $\frac{14}{21} = \frac{2}{3}$

c) $\frac{6}{8} = \frac{3}{4}$
 $\frac{9}{12} = \frac{3}{4}$
 $\frac{12}{16} = \frac{3}{4}$
 $\frac{18}{24} = \frac{3}{4}$
 $\frac{30}{40} = \frac{3}{4}$

d) $\frac{4}{10} = \frac{2}{5}$
 $\frac{6}{15} = \frac{2}{5}$
 $\frac{10}{25} = \frac{2}{5}$
 $\frac{14}{35} = \frac{2}{5}$
 $\frac{24}{60} = \frac{2}{5}$

Prac 110

a) $\frac{18}{27} = \frac{6}{9} = \frac{2}{3}$
 $\frac{24}{32} = \frac{12}{16} = \frac{3}{4}$
 $\frac{12}{15} = \frac{4}{5}$
 $\frac{13}{26} = \frac{1}{2}$
 $\frac{20}{24} = \frac{10}{12} = \frac{5}{6}$
 b) $\frac{24}{42} = \frac{12}{21} = \frac{4}{7}$
 $\frac{24}{54} = \frac{12}{27} = \frac{4}{9}$
 $\frac{24}{64} = \frac{12}{32} = \frac{3}{8}$
 $\frac{30}{48} = \frac{15}{24} = \frac{5}{8}$
 $\frac{28}{35} = \frac{4}{5}$

c) $\frac{12}{42} = \frac{6}{21} = \frac{2}{7}$
 $\frac{32}{48} = \frac{8}{12} = \frac{2}{3}$
 $\frac{15}{45} = \frac{3}{9} = \frac{1}{3}$
 $\frac{48}{64} = \frac{12}{16} = \frac{3}{4}$
 $\frac{54}{72} = \frac{9}{12} = \frac{3}{4}$

Prac 99

$\frac{2}{3}$
 $\frac{3}{6} = \frac{1}{2}$
 $\frac{3}{4}$
 $\frac{5}{6}$
 $\frac{3}{5}$
 $\frac{3}{8}$
 $\frac{4}{5}$
 $\frac{7}{8}$
 $\frac{8}{9}$
 $\frac{6}{12} = \frac{1}{2}$

Prac 100

$\frac{3}{4}$
 $\frac{2}{5}$
 $\frac{1}{10}$
 $\frac{1}{6}$
 $\frac{2}{8} = \frac{1}{4}$
 $\frac{2}{7}$
 $\frac{4}{9}$
 $\frac{4}{11}$
 $\frac{6}{12} = \frac{1}{2}$
 $\frac{6}{10} = \frac{3}{5}$

Prac 101

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

Prac 102

4
 4
 5
 5
 6
 1
 2
 3
 $\frac{3}{4}$
 $\frac{1}{6}$

Prac 103

1.
 a) $\frac{3}{11}, \frac{5}{17}, \frac{7}{25}$
 b) $\frac{11}{3}, \frac{30}{29}, \frac{50}{43}$
 c) $1\frac{3}{4}, 5\frac{4}{5}, 7\frac{1}{3}$
 2.
 a) $1 = \frac{2}{2} = \frac{4}{4} = \frac{8}{8}$
 b) $1 = \frac{3}{3} = \frac{6}{6} = \frac{9}{9}$
 c) $2 = \frac{4}{2} = \frac{8}{4} = \frac{16}{8}$
 d) $2 = \frac{6}{3} = \frac{12}{6} = \frac{18}{9}$
 e) $3 = \frac{6}{2} = \frac{12}{4} = \frac{24}{8}$
 f) $3 = \frac{9}{3} = \frac{18}{6} = \frac{27}{9}$
 g) $4 = \frac{8}{2} = \frac{12}{3} = \frac{16}{4}$



Prac 111

1. $\frac{1}{4} + \frac{1}{2} = \frac{1}{4} + \frac{2}{4} = \frac{3}{4}$
2. $\frac{1}{2} + \frac{1}{6} = \frac{3}{6} + \frac{1}{6} = \frac{4}{6} = \frac{2}{3}$
3. $\frac{1}{6} + \frac{2}{3} = \frac{1}{6} + \frac{4}{6} = \frac{5}{6}$
4. $\frac{1}{5} + \frac{7}{10} = \frac{2}{10} + \frac{7}{10} = \frac{9}{10}$
5. $\frac{3}{8} + \frac{1}{4} = \frac{3}{8} + \frac{2}{8} = \frac{5}{8}$
6. $\frac{1}{3} + \frac{2}{9} = \frac{3}{9} + \frac{2}{9} = \frac{5}{9}$
7. $\frac{2}{3} + \frac{1}{9} = \frac{6}{9} + \frac{1}{9} = \frac{7}{9}$
8. $\frac{1}{6} + \frac{5}{12} = \frac{2}{12} + \frac{5}{12} = \frac{7}{12}$
9. $\frac{1}{2} + \frac{5}{6} = \frac{3}{6} + \frac{5}{6} = \frac{8}{6} = \frac{4}{3} = 1\frac{1}{3}$
10. $\frac{3}{4} + \frac{7}{12} = \frac{9}{12} + \frac{7}{12} = \frac{16}{12} = \frac{4}{3} = 1\frac{1}{3}$

Prac 112

1. $\frac{1}{2} - \frac{1}{4} = \frac{2}{4} - \frac{1}{4} = \frac{1}{4}$
2. $\frac{1}{4} - \frac{1}{8} = \frac{2}{8} - \frac{1}{8} = \frac{1}{8}$
3. $\frac{1}{3} - \frac{1}{6} = \frac{2}{6} - \frac{1}{6} = \frac{1}{6}$
4. $\frac{1}{5} - \frac{1}{10} = \frac{2}{10} - \frac{1}{10} = \frac{1}{10}$
5. $\frac{1}{6} - \frac{1}{12} = \frac{2}{12} - \frac{1}{12} = \frac{1}{12}$
6. $\frac{5}{6} - \frac{1}{3} = \frac{5}{6} - \frac{2}{6} = \frac{3}{6} = \frac{1}{2}$
7. $\frac{3}{4} - \frac{3}{8} = \frac{6}{8} - \frac{3}{8} = \frac{3}{8}$
8. $\frac{11}{15} - \frac{1}{3} = \frac{11}{15} - \frac{5}{15} = \frac{6}{15} = \frac{2}{5}$
9. $\frac{13}{20} - \frac{3}{10} = \frac{13}{20} - \frac{6}{20} = \frac{7}{20}$
10. $\frac{11}{20} - \frac{2}{5} = \frac{11}{20} - \frac{8}{20} = \frac{3}{20}$

Prac 113

- 9
9
9
9
9
7
7
8
8
8

Prac 114

- 5
10
8
24
12
60
9
54
9
72

Prac 115

- 24
27
30
16
15
21
25
45
42
40

Prac 116

- 40
18
28
48
42
25
33
46
14
36

Prac 117

- a)
 $\frac{7}{10} = 0,7$
 $\frac{7}{100} = 0,07$
 $\frac{7}{1000} = 0,007$
 $\frac{27}{100} = 0,27$
 $\frac{27}{1000} = 0,027$

- b)
1,1
2,9
1,03
4,19
3,151

Prac 118

- a)
 $0,9 = \frac{9}{10}$
 $0,31 = \frac{31}{100}$
 $0,031 = \frac{31}{1000}$
 $0,03 = \frac{3}{100}$
 $0,177 = \frac{177}{1000}$
- b)
 $1,03 = 1\frac{3}{100}$
 $4,067 = 4\frac{67}{1000}$
 $6,009 = 6\frac{9}{1000}$
 $8,073 = 8\frac{73}{1000}$
 $7,401 = 7\frac{401}{1000}$

Prac 119

Th D	H	T	U, E,	t	h	th d
				8	0	3
	8	0	7	0	6	5
		9	1	3	7	6
1	6	5	4	9		
	2	0	0	1	4	8

Prac 120

- a) $0,032 < 0,32 < 3,2$
b) $0,708 < 0,807 < 0,87$
c) $6,134 < 6,341 < 6,413$
d) $0,011 < 0,101 < 0,111$
e) $7,065 < 7,56 < 7,605$

Prac 121

a)	b)
8	50
20	300
$\frac{4}{10}$	$\frac{8}{100}$
$\frac{1}{1000}$	$\frac{2}{1000}$
$\frac{7}{100}$	$\frac{9}{10}$

Prac 122

a)	b)	c)
8	3	5
24	30	64
137	190	300
2	351	821
30	2579	6040

Prac 123

- a)
=
<
<
>
>

- b)
>
>
<
<
<

Prac 124

- a) >
<
=
=
<
- b) <
<
<
<
=

Prac 125

1.
2,7 12,2 17,3 1,02 1,03
2.
0,700 1,339 0,804 5,583 8,055

Prac 126

1.
0,5 0,4 2,6 1,46 1,24
2.
2,884 1,881 2,616 8,66 10,01

Prac 127

- 70
700
7
0,7
90
9
7,6
760
84,3
843

Prac 128

- 30,01
300,1
716
7160
66
931
50
1
1800
100

Prac 129

- 40
4
0,4
0,04
80
8
0,8
0,08
0,92
0,092

Prac 130

1. 13% 59% 70% 30% 7,4%
2. 5% 55% 4% 48% 2%
3. 50% 25% 51% 43% 2%

Prac 131

1. $\frac{1}{10}$ $\frac{9}{10}$ $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$
2. $\frac{1}{5}$ $\frac{2}{5}$ $\frac{3}{5}$ $\frac{4}{5}$ $\frac{1}{20}$
3. $\frac{3}{20}$ $\frac{11}{20}$ $\frac{9}{50}$ $\frac{3}{25}$ $\frac{12}{25}$

Prac 132

1. $\frac{1}{10}$ 0,1
2. $\frac{3}{50}$ 0,06
3. $\frac{1}{4}$ 0,25
4. $\frac{1}{2}$ 50%
5. $\frac{4}{5}$ 80%
6. $\frac{7}{20}$ 35%
7. 0,9 90%
8. 0,2 20%
9. 0,22 22%
10. 0,75 75%

Prac 133

- a)
 $\frac{1}{10} \times 60 = 6$
 $\frac{1}{10} \times 110 = 11$
 $\frac{1}{5} \times 200 = 40$
 $\frac{3}{10} \times 30 = 9$
 $\frac{3}{5} \times 60 = 36$



b)

$$\frac{1}{4} \times 80 = 20$$

$$\frac{1}{2} \times 130 = 65$$

$$\frac{3}{4} \times 160 = 120$$

$$\frac{1}{20} \times 240 = 12$$

$$\frac{1}{25} \times 150 = 6$$

Prac 134

a)	b)	c)	
>	>	<	(3 < 8)
=	<	=	(9 = 9)
>	=	<	(12 < 15)
<	>	=	(24 = 24)
<	>	<	(12 < 21)

Prac 135

- 1; $1\frac{1}{4}$; ...
- $\frac{5}{8}$; $\frac{3}{4}$; ... ($\frac{5}{8}$; $\frac{6}{8}$)
- 1; 2; ...
- $\frac{2}{5}$; $\frac{1}{2}$; ... ($\frac{4}{10}$; $\frac{5}{10}$)
- $\frac{1}{3}$; $\frac{5}{12}$; ... ($\frac{4}{12}$; $\frac{5}{12}$)
- 2,2 ; 2,45 ; ...
- 12,6 ; 14,4 ; ...
- 0,8 ; 0 ; ...
- 3,2 ; 2 ; ...
- 4,5 ; 2 ; ...

Prac 136

- 2,6 ; 3,0 ; 3,4 ; ...
- 0,91 ; 0,97 ; 1,03 ; ...
- 4,9 ; 4,6 ; 4,3 ; ...
- 3,85 ; 3,65 ; 3,45 ; ...
- 6,283 ; 6,183 ; 6,083 ; ...

Prac 137

- +0,3 +0,2 +0,9
- +0,5 +0,7 +0,9
- 0,5 -0,7 -0,6
- 0,03 -0,05 -0,11
- +0,1 +0,01 +0,003

Prac 138

- 4 m 376 mm
4,376 m
- 6 km 832 m
6,832 km
- 6753 m
6,753 km
- 8263 m
8,263 km
- 2367 m
2 km 367 m

Prac 139

- 5 kg 624 g
5,624
- 7 059
7,059
- 2 372
2 kg 372
- 3 001
3,001

- 9 070
9 kg 70 g

Prac 140

- 8 l 443 ml
8,443
- 7028
7,028
- 5107
5 l 107 ml
- 26 573
26,573
- 12 l 734 ml
12,734

Prac 141

- 3004
3,004
- 7291
7 kl 291 l
- 5 kl 26 l
5,026
- 12 053
12,053
- 10 860
10 kl 860 l

Prac 142

- 20
- 600
- 5000
- 6530
- 815
- 40 000
- 6006
- 5200
- 40
- 600

Prac 143

- 2,6
- 1,53
- 4,317
- 7,114
- 0,839
- 0,4
- 5260
- 4,381
- 0,124
- 7120

Prac 144

- 98 998
- 84 556
- 44 242
- 27 947

Prac 145

- $$3\ 416 \times (7 + 40)$$

$$= (3416 \times 7) + (3416 \times 40)$$

$$= 23\ 912 \quad + 136\ 640$$

$$= 160\ 552$$
 - $$23\ 912$$

$$\underline{136\ 640}$$

$$160\ 552$$
 - $$2\ 538 \times (6 + 40 + 200)$$

$$= 15\ 228 + 101\ 520 + 507\ 600$$

$$= 15\ 228 + 609\ 120$$

$$= 624\ 348$$
 - $$15\ 228$$

$$101\ 520$$

$$\underline{507\ 600}$$

$$624\ 348$$

Prac 146

- R3,60
R7,20
- 228 cm
304 cm
532 cm (228 + 304)

Prac 147

- 3 kg 200 g
25 kg 600 g
- 3 litres/ liters
0,75 litre/ liter or/of $\frac{3}{4}$ litre/ liter
 $5\frac{1}{4}$ litres/ liters

Prac 148

- 198
- 36
180
90

Prac 149

- 8
16
- 40 : 23
40 : 63
- 4,8

Prac 150

- 15
- 17
- 441
- 7
- 3
- 58
- 16
- 16
- 12
- 8

Prac 151

- $x + 9 = 40$
- $t \times 7 = 42$
- $8 - p = 7$
- $x \div 4 = 12$
- $x + 4 = 3 \times x$

Prac 152

- $y = x + 7$
 $m = 15$ and $n = 14$
- $y = 5 \times x$
 $m = 45$ and $n = 13$
- $y = 3 \times x - 1$
 $m = 20$ and $n = 11$
- $y = 4 \times x + 1$
 $m = 81$ and $n = 24$

Prac 153

- $y = 4 \times x$ & $T_{20} = 80$
- $y = 4 \times x + 2$ & $T_{20} = 82$
- $y = 5 \times x - 1$ & $T_{20} = 99$
- $y = x \times x$ & $T_{20} = 400$
- $y = \frac{1}{2} \times x$ or/of $y = x \div 2$ & $T_{20} = 10$



<p>Prac 154</p> <p>1.</p> <p>a) perimeter/ omtrek b) the diagonal/ hoeklyn c) area/ oppervlakte d) equal/ gelyk e) opposite/ teenoorstaande</p> <p>2.</p> <p>a) $P/O = 4 \times 15 \text{ cm} = 60 \text{ cm}$ b) $P/O = 2 \times (12 + 9) = 42 \text{ cm}$ c) $P/O = 50 \text{ mm}$</p>	<p>HW 3</p> <p>1.</p> <p>a) 0, 1, 2, 3 b) 101, 103, 105, 107 c) 1000, 1002, 1004, 1006</p> <p>2.</p> <p>a) 39 253 b) 49 276</p> <p>3.</p> <p>a) 8 0 3 1 b) 9 0 5 9 2 c) 7 9 2 6 7</p>	<p>HW 8</p> <p>1.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 5px;">a)</td> <td style="border-right: 1px solid black; padding: 5px;">b)</td> <td style="padding: 5px;">c)</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 5px;">$>$</td> <td style="border-right: 1px solid black; padding: 5px;">$<$</td> <td style="padding: 5px;">$=$</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 5px;">$<$</td> <td style="border-right: 1px solid black; padding: 5px;">$>$</td> <td style="padding: 5px;">$<$</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 5px;">$<$</td> <td style="border-right: 1px solid black; padding: 5px;">$>$</td> <td style="padding: 5px;">$=$</td> </tr> </table> <p>2.</p> <p>a) $\frac{1}{3} \frac{2}{3} \frac{5}{6} 1\frac{1}{2}$ b) $\frac{1}{8} \frac{1}{2} \frac{3}{4} 1\frac{1}{4}$ c) $\frac{1}{3} \frac{5}{9} \frac{2}{3} \frac{8}{9}$</p>	a)	b)	c)	$>$	$<$	$=$	$<$	$>$	$<$	$<$	$>$	$=$																																				
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$>$	$<$	$=$																																																
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$<$	$>$	$=$																																																
<p>Prac 155</p> <p>1.</p> <p>a) 81 cm^2 b) 56 cm^2</p> <p>2.</p> <p>6 cm</p> <p>3.</p> <p>a) $2 \times 2 \times 2 \text{ cm}^3 = 8 \text{ cm}^3$ b) 240 mm^3</p>	<p>HW 4</p> <p>1.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td>a) 5370</td> <td>5400</td> <td>5000</td> <td>10 000</td> </tr> <tr> <td>b) 26 820</td> <td>26 800</td> <td>27 000</td> <td>30 000</td> </tr> <tr> <td>c) 74 290</td> <td>74 300</td> <td>74 000</td> <td>70 000</td> </tr> <tr> <td>d) 35 690</td> <td>35 700</td> <td>36 000</td> <td>40 000</td> </tr> </table> <p>2.</p> <p>a) 1000 b) 2000 c) 720 d) 166</p>	a) 5370	5400	5000	10 000	b) 26 820	26 800	27 000	30 000	c) 74 290	74 300	74 000	70 000	d) 35 690	35 700	36 000	40 000	<p>HW 9</p> <p>1.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 5px;">a)</td> <td style="border-right: 1px solid black; padding: 5px;">b)</td> <td style="border-right: 1px solid black; padding: 5px;">c)</td> <td style="padding: 5px;">d)</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 5px;">$\frac{7}{3}$</td> <td style="border-right: 1px solid black; padding: 5px;">$\frac{10}{7}$</td> <td style="border-right: 1px solid black; padding: 5px;">$\frac{14}{3}$</td> <td style="padding: 5px;">$\frac{27}{10}$</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 5px;">$\frac{7}{2}$</td> <td style="border-right: 1px solid black; padding: 5px;">$\frac{12}{5}$</td> <td style="border-right: 1px solid black; padding: 5px;">$\frac{29}{5}$</td> <td style="padding: 5px;">$\frac{33}{7}$</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 5px;">$\frac{21}{5}$</td> <td style="border-right: 1px solid black; padding: 5px;">$\frac{23}{4}$</td> <td style="border-right: 1px solid black; padding: 5px;">$\frac{65}{9}$</td> <td style="padding: 5px;">$\frac{43}{5}$</td> </tr> </table> <p>2.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 5px;">a)</td> <td style="border-right: 1px solid black; padding: 5px;">b)</td> <td style="border-right: 1px solid black; padding: 5px;">c)</td> <td style="padding: 5px;">d)</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 5px;">$2\frac{1}{2}$</td> <td style="border-right: 1px solid black; padding: 5px;">$2\frac{1}{3}$</td> <td style="border-right: 1px solid black; padding: 5px;">$3\frac{1}{4}$</td> <td style="padding: 5px;">$2\frac{5}{7}$</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 5px;">$1\frac{2}{3}$</td> <td style="border-right: 1px solid black; padding: 5px;">$1\frac{2}{5}$</td> <td style="border-right: 1px solid black; padding: 5px;">$2\frac{3}{5}$</td> <td style="padding: 5px;">$2\frac{3}{8}$</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 5px;">$1\frac{1}{4}$</td> <td style="border-right: 1px solid black; padding: 5px;">$1\frac{1}{6}$</td> <td style="border-right: 1px solid black; padding: 5px;">$2\frac{1}{6}$</td> <td style="padding: 5px;">$2\frac{1}{9}$</td> </tr> </table>	a)	b)	c)	d)	$\frac{7}{3}$	$\frac{10}{7}$	$\frac{14}{3}$	$\frac{27}{10}$	$\frac{7}{2}$	$\frac{12}{5}$	$\frac{29}{5}$	$\frac{33}{7}$	$\frac{21}{5}$	$\frac{23}{4}$	$\frac{65}{9}$	$\frac{43}{5}$	a)	b)	c)	d)	$2\frac{1}{2}$	$2\frac{1}{3}$	$3\frac{1}{4}$	$2\frac{5}{7}$	$1\frac{2}{3}$	$1\frac{2}{5}$	$2\frac{3}{5}$	$2\frac{3}{8}$	$1\frac{1}{4}$	$1\frac{1}{6}$	$2\frac{1}{6}$	$2\frac{1}{9}$
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<p>B</p>	<p>HW 5</p> <p>1.</p> <p>a) \neq b) $=$ c) $=$ d) \neq e) \neq f) $=$</p> <p>2.</p> <p>a) 2 1 1 7 b) 4 2 9 1 2 c) 2 9 2 0 8</p>	<p>HW 10</p> <p>1.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 5px;">a)</td> <td style="border-right: 1px solid black; padding: 5px;">b)</td> <td style="padding: 5px;">c)</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 5px;">$\frac{4}{5}$</td> <td style="border-right: 1px solid black; padding: 5px;">$\frac{1}{1}$</td> <td style="padding: 5px;">$\frac{6}{7}$</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 5px;">$\frac{6}{7}$</td> <td style="border-right: 1px solid black; padding: 5px;">$\frac{1}{1}$</td> <td style="padding: 5px;">$\frac{5}{9}$</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 5px;">$\frac{6}{9} = \frac{2}{3}$</td> <td style="border-right: 1px solid black; padding: 5px;"></td> <td style="padding: 5px;">$\frac{8}{11}$</td> </tr> </table> <p>2.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 5px;">a)</td> <td style="border-right: 1px solid black; padding: 5px;">b)</td> <td style="padding: 5px;">c)</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 5px;">$4\frac{1}{2}$</td> <td style="border-right: 1px solid black; padding: 5px;">$10\frac{3}{7}$</td> <td style="padding: 5px;">$2\frac{4}{5}$</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 5px;">$6\frac{1}{3}$</td> <td style="border-right: 1px solid black; padding: 5px;">$14\frac{1}{8}$</td> <td style="padding: 5px;">$5\frac{3}{7}$</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 5px;">$8\frac{3}{4}$</td> <td style="border-right: 1px solid black; padding: 5px;">$16\frac{4}{9}$</td> <td style="padding: 5px;">$2\frac{7}{9}$</td> </tr> </table>	a)	b)	c)	$\frac{4}{5}$	$\frac{1}{1}$	$\frac{6}{7}$	$\frac{6}{7}$	$\frac{1}{1}$	$\frac{5}{9}$	$\frac{6}{9} = \frac{2}{3}$		$\frac{8}{11}$	a)	b)	c)	$4\frac{1}{2}$	$10\frac{3}{7}$	$2\frac{4}{5}$	$6\frac{1}{3}$	$14\frac{1}{8}$	$5\frac{3}{7}$	$8\frac{3}{4}$	$16\frac{4}{9}$	$2\frac{7}{9}$																								
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<p>Homework or Revision / Huiswerk of Hersiening</p>	<p>HW 6</p> <p>1.</p> <p>a) $82\ 500 + 17\ 500 \approx 100\ 000$ b) $56\ 700 + 21\ 900 \approx 78\ 600$ c) $535\ 000 + 245\ 000 \approx 780\ 000$</p> <p>2.</p> <p>a) 5 2 2 3 1 b) 1 5 7 5 8 c) 2 2 2 7 3 d) 3 6 9 2 7</p>	<p>HW 7</p> <p>1.</p> <p>a) 66 950 67 950 68 950 69 450 b) 47 670 51 670 53 670 57 670 c) 56 150 59 150 60 650 63 650</p> <p>2.</p> <p>a) 7752 b) 24 585 c) 8416 d) 10 776 e) 6433</p>																																																
<p>HW 1</p> <p>1.</p> <p>a) 400 b) 30 000 c) 700 000</p> <p>2.</p> <p>a) 470 200 b) 373 700</p> <p>3.</p> <p>a) 27 047 b) 96 957 c) 50 821 d) 59 432</p> <p>4.</p> <p>a) 3034 ; 3234 ; ... b) 40 527 ; 41 527 ; ... c) 53 800 ; 53 825 ; ...</p>	<p>HW 2</p> <p>1.</p> <p>a) 29 980 b) 1000 c) 468 398 & 468 400 d) 10 098</p> <p>2.</p> <p>a) 65 6532 b) 67 6700</p> <p>3.</p> <p>a) 4682 4691 4700 b) 5945 6044 6143</p>	<p>HW 3</p> <p>1.</p> <p>a) $0, 1, 2, 3$ b) 101, 103, 105, 107 c) 1000, 1002, 1004, 1006</p> <p>2.</p> <p>a) 39 253 b) 49 276</p> <p>3.</p> <p>a) 8 0 3 1 b) 9 0 5 9 2 c) 7 9 2 6 7</p>																																																



HW 11

1.
a) $1\frac{4}{11}$, $3\frac{1}{6}$
b) $\frac{4}{7}$, $\frac{5}{8}$, $\frac{6}{19}$
c) $\frac{8}{5}$, $\frac{15}{11}$, $\frac{19}{6}$
2.
a) $\frac{5}{7}$, $\frac{9}{9}$
b) $5\frac{3}{5}$, $6\frac{6}{7}$, $9\frac{7}{9}$
c) $2\frac{2}{5}$, $2\frac{1}{7}$, $3\frac{4}{9}$
d) $2\frac{2}{9}$, $4\frac{3}{11}$, $2\frac{4}{17}$

HW 12

1.
a) $\frac{7}{4}$
b) $\frac{8}{5}$
c) $\frac{8}{7}$
d) $\frac{11}{6}$
e) $\frac{13}{9}$
f) $\frac{6}{5}$
2.
a) $= 3 + \frac{7}{5} - 2 - \frac{3}{5}$
 $= 1 + \frac{4}{5}$
 $= 1\frac{4}{5}$
b) $= 2 + \frac{5}{4} - 1 - \frac{3}{4}$
 $= 1 + \frac{2}{4}$
 $= 1\frac{1}{2}$
c) $= 4 + \frac{11}{8} - 3 - \frac{5}{8}$
 $= 1 + \frac{6}{8}$
 $= 1\frac{3}{4}$

- d) $= 4 + \frac{9}{7} - 2 - \frac{5}{7}$
 $= 2 + \frac{4}{7}$
 $= 2\frac{4}{7}$
e) $= 5 + \frac{11}{9} - 4 - \frac{5}{9}$
 $= 1 + \frac{6}{9}$
 $= 1\frac{2}{3}$
f) $= 8 + \frac{7}{6} - 5 - \frac{5}{6}$
 $= 3 + \frac{2}{6}$
 $= 3\frac{1}{3}$

HW 13

1.
a) 6, 18, 24
b) 8, 32, 48
c) 9, 27, 63
d) 7, 28, 49
2.
a) 21, 12
b) 40, 40
c) 21, 35
d) 33, 84

HW 14

- | | | | |
|--------------------------|---------------------------|------------------------------|------------------|
| 1. 60 g
30 g
150 g | 2. 6 km
24 km
42 km | 3. 9
36
$7\frac{1}{5}$ | 4. 9
72
12 |
|--------------------------|---------------------------|------------------------------|------------------|

HW 15

1.
a) 180, 180, 72, 21
b) 24, 15, 10, 104
c) 10, 240, 520, 100
2.
a) 30 min + 4h + 40 min = 5h 10min
b) 10 min + 5h + 20 min = 5h 30min
c) 25min + 3h + 20min = 3h 45min
d) 20min + 9h + 10min = 9h 30min

HW 16

1.
a) 08:10
b) 6h 14min
c) 11:25
2.
a) $24 + 31 + 18 = 73$ d
b) $19 + 31 + 30 + 26 = 106$ d
c) $22 + 27 = 49$ d

HW 17

1.
a) 125
2 h 5 min
b) 144
24
c) 80
10
d) 365
73
2.
a) 10 min 70 s
= 11 min 10s
b) 9h 89 min
= 10h 29min
c) 4 d 15 h
d) 4 w 5 d
3.
a) i) 05:00
ii) 13:00
b) 23:00

HW 18

1.
a) Irregular quadrilateral / Onreëlmatige vierhoek
b) Regular quadrilateral / Reëlmatige vierhoek
c) Irregular pentagon / Onreëlmatige pentagoon
d) Irregular triangle / Onreëlmatige driehoek
2.
a) acute angle / skerp hoek
b) obtuse angle / stomp hoek
c) reflex angle / inspringende hoek
3.
a) straight angle / gestrekte hoek
b) revolution / omwenteling

HW 19

1.
a)

138	252	376	576
1380	2520	3760	5760
13800	25200	37600	57600

b) 1 4 3 4
2 3 9 0
3 8 2 4
c) 6 3 0 8
9 4 6 2 0
1 0 0 9 2 8
d) 3 4 0 5 6
1 7 0 2 8 0
2 0 4 3 3 6



HW 20

1.
a) 28 21
46 39
61 54
b) 28 19
48 39
60 51

2.
a) $t = 4 \times p + 2$
b) $y = 5 \times x - 3$

HW 21

1.
a) 637 058
b) 3 409 000
2.
 $13\ 467\ 593 < 13\ 467\ 953 < 14\ 367\ 593 < 14\ 763\ 593$
3.
a) 58 428 000
b) 2 840 000

HW 22

1.
a) only 2 factors, itself and 1 / slegs 2 faktore, homself en 1
b) is exactly divisible by 2 / is presies deelbaar deur 2
c) leaves a remainder of 1 when it is divided by 2 / laat 'n res van 1 as dit deur 2 gedeel word
2.
a) 9, 18, 27, 36
b) 1, 2, 3, 4, 6, 8, 12, 24
c) 2, 3, 5, 7, 11, 13
d) 2 & 3
e) 1
3.
a) $537 \times 7 \times 4$ or/of $537 \times 4 \times 7$
 $= 3759 \times 4$ or/of 2148×7
 $= 15\ 036$ or/of $15\ 036$
b) $386 \times 9 \times 5$ or/of $386 \times 5 \times 9$
 $= 3474 \times 5$ or/of 1930×9
 $= 17\ 370$ or/of $17\ 370$

HW 23

1.
a) b) c)
1200 12 000 2350
2100 35 000 2340
3200 18 000 4770
2.
a) 1 3 2 9
 5 3 1 6 0
 +2 6 5 8 0 0
 3 2 0 2 8 9

b)
$$\begin{array}{r} 12835 \\ 205360 \\ + 770100 \\ \hline 988295 \end{array}$$

c)
$$\begin{array}{r} 33838 \\ 290040 \\ + 1933600 \\ \hline 2257478 \end{array}$$

HW 24

1.
a) b) c) d)
6 7 8 r3 8 r2
6 r1 7 r2 7 r1 6 r4
6 6 r1 5 r3 5 r3
6 r3 4 r5 4 r7 4 r10
2.
a) 1, 2, 3, 6, 7, 14, 21, 42
b) 1, 2, 3, 4, 6, 8, 12, 16, 24, 48
3.
a)
$$\begin{array}{r} 19 \\ 4 \overline{)76} \end{array}$$

b)
$$\begin{array}{r} 23 \\ 6 \overline{)138} \end{array}$$

c)
$$\begin{array}{r} 54 \\ 7 \overline{)378} \end{array}$$

d)
$$\begin{array}{r} 67r2 \\ 8 \overline{)538} \end{array}$$

HW 25

1.
a) $1197 \div 7 \div 3$ or/of $1197 \div 3 \div 7$
 $= 171 \div 3$ or/of $399 \div 7$
 $= 57$ or/of 57
b) $1376 \div 8 \div 4$ or/of $1376 \div 4 \div 8$
 $= 172 \div 4$ or/of $344 \div 8$
 $= 43$ or/of 43
2.
a)
$$\begin{array}{r} 23r13 \\ 17 \overline{)404} \\ \underline{-34} \\ 64 \\ \underline{-51} \\ 13 \end{array}$$

b)
$$\begin{array}{r} 236 \\ 23 \overline{)5428} \\ \underline{-46} \\ 82 \\ \underline{-69} \\ 138 \\ \underline{-138} \\ 0 \end{array}$$

c)
$$\begin{array}{r} 146 \\ 67 \overline{)9782} \\ \underline{-67} \\ 308 \\ \underline{-268} \\ 402 \\ \underline{-402} \\ 0 \end{array}$$

HW 26

1.
a) b) c) d)
5 r1 7 r4 7 r5 11 r2
4 r2 6 r3 5 r7 9 r5
3 r5 4 r7 5 r2 8 r4
2.
a) 47
b) 57
c) 63
d) 73
3.
a) $3645 \div 5 \div 3$ or/of $3645 \div 3 \div 5$
 $= 729 \div 3$ or/of $1215 \div 5$
 $= 243$ or/of 243
b) $6576 \div 8 \div 6$ or/of $6576 \div 6 \div 8$
 $= 822 \div 6$ or/of $1096 \div 8$
 $= 137$ or/of 137

HW 27

1.
a) one tenth / een tiende
b) 1 hundredth / 1 honderdste
c) 1 thousandth / 1 duisendste
2.
a) b) c)
= < <
= > >
3.
a) $1 = \frac{10}{10} = \frac{100}{100} = \frac{1000}{1000}$
b) $\frac{7}{10} = \frac{70}{100} = \frac{700}{1000}$
c) $\frac{470}{1000} = \frac{47}{100}$
d) $\frac{800}{1000} = \frac{80}{100} = \frac{8}{10}$
4.
a) 80
b) $\frac{4}{100}$
c) 500
d) $\frac{6}{10}$
5.
a) 10
b) 1000

HW 28

1.
 a) $\frac{4}{10}$ b) $\frac{3}{5}$ c) $\frac{1}{2}$
 $\frac{5}{10}$ $\frac{4}{5}$ $\frac{1}{4}$
2.
 a) 0,5 or/of $\frac{1}{2}$
 b) 0,2 or/of $\frac{1}{5}$
 c) 0,4 or/of $\frac{2}{5}$
 d) 0,6 or/of $\frac{3}{5}$

HW 29

1.
 a) 0,7 b) 1,8 c) 5,5 d) 12,2
 0,3 2,4 8,1 29,9
2.
 A 0,2 B 0,6 C 0,9
 A 1,1 B 1,5 C 1,7
 A 0,2 B 0,6 C 1,2 D 1,6
3.
 a) 1000
 b) 100

HW 30

1.
 a) 0,09 b) 0,13 c) 0,62 d) 1,05
 0,07 0,21 0,88 1,28
2.
 A 0,01 B 0,04 C 0,07 D 0,09
 A 0,23 B 0,25 C 0,27 D 0,29
 A 3,41 B 3,44 C 3,46 D 3,48
3.
 a) > b) = c) >
 = > <
 > > >

HW 31

1.
 a) $0,43 > 0,4 > 0,34 > 0,04$
 b) $0,75 > 0,7 > 0,57 > 0,5$
 c) $0,81 > 0,8 > 0,18 > 0,08$
2.
 a) 2,07 b) 3,49 c) 2,3
 2,7 4,57 7,7
3.
 a) $\frac{17}{100}$ b) $2\frac{7}{100}$ c) $15\frac{1}{10}$
 $1\frac{7}{10}$ $\frac{27}{1000}$ $1\frac{51}{100}$
4.
 a) 1 b) 1 c) 1
 d) 0,1 e) 0,01 f) 10,1

HW 32

1.
 a) 5 hundredths/ $\frac{5}{100}$ / 5 honderdstes
 b) 7 thousandths/ $\frac{7}{1000}$ / 7 duizendstes
 c) 6 tenths/ $\frac{6}{10}$ / 6 tiendes
- 2.

Number/ Getal	Th D	H	T	U E	t	h	th d
206,904		2	0	6	9	0	4
8450,718	8	4	5	0	7	1	8
107,62		1	0	7	6	2	
48,056			4	8	0	5	6
4126,559	4	1	2	6	5	5	9

3.
 a) $0,072 < 0,207 < 0,27 < 0,702$
 b) $1,256 < 1,265 < 1,562 < 1,625$
4.
 a) < b) = c) >
 < = >
 < = <

HW 33

1.
 a) 0,8
 b) 0,86
 c) 0,867
 d) 0,7
 e) 0,72
 f) 0,722
2.
 a) 10,2 1
 b) 9,8 6 5
 c) 3,4 7
 d) 4,9 4 8
3.
 a) 6 b) 8 c) 0,03 d) 7,6
 0,6 0,8 0,047 0,76
 0,06 0,08 0,0083 0,076

HW 34

1.
 a) 17%
 b) 130%
 c) 40%
 d) 45%
2.
 a) $\frac{27}{100}$ b) $\frac{1}{2}$ c) $\frac{7}{10}$ d) $\frac{1}{10}$
 e) $\frac{1}{4}$ f) $\frac{1}{20}$ g) $\frac{1}{25}$ h) $\frac{4}{5}$
3.
 a) $\frac{1}{10} \times 300 = 30$
 b) $\frac{1}{4} \times 48 = 12$
 c) $\frac{1}{5} \times 65 = 13$

HW 35

1.
 a) $\frac{7}{10}$ 0,7 70%
 b) $\frac{7}{20} (\frac{35}{100})$ 0,35 35%
 c) $\frac{3}{4}$ 0,75 75%
 d) $\frac{3}{5}$ 0,6 60%
 e) $\frac{7}{25} (\frac{28}{100})$ 0,28 28%
2.
 a) $\frac{3}{5} \times 60 = 36$
 b) $\frac{9}{20} \times 36 = 36$
 c) $\frac{28}{100} \times 75 = \frac{7}{25} \times 75 = 21$
3.
 a) 60%
 b) 94%

HW 36

1.
 a) 50 b) 5200 c) 7000
 1,6 5002 0,059
 4310 0,641 2630
 0,257 3250 4,85
 980 0,75 7007
 1,78 5,5 7,007
2.
 a) 150
 150
 b) 84
 8,4
3.
 a) 4
 20
 b) 6
 42

HW 37

1.
 a) 2,3 2,75
 b) 16 20,5
 c) 6,4 6,7
 d) 4,6 5,5
 e) 0,024 0,0265
 f) 250 2000 3500

<p>HW 38</p> <p>1.</p> <p>a) 4 b) 2 c) 0 d) 3 e) 6 f) 0</p> <p>2.</p> <p>a) 5 b) 16</p> <p>3.</p> <p>a) a cube/ kubus b) a triangular prism/ driehoekige prisma c) a triangular pyramid/ driehoekige piramide</p>	<p>3.</p> <p>a) $\frac{1}{2}$ b) $\frac{3}{10}$ c) $\frac{3}{5}$</p> <p>HW 42</p> <p>1. 1, 2, 4, 5, 10, 20 2. 21; 42; 63 3. 30min + 5h + 10min = 5h 40min 4. 20 963 5. R109,00 6. $65 + 3 = 68$ 7. $536 \times 70 \approx 37\,520$ 8. $\frac{7}{23} + \frac{7}{23} = \frac{14}{23}$ 9. $2 \times 55m = 110m$ 10. $\frac{1}{2}, \frac{1}{4}, \dots$</p>	<p>2.</p> <p>a) 23, 29, 31, 37 b) 2 & 17 c) 1, 2, 3, 5, 6, 10, 15, 30 d) 48, 60, 72 e) a million / 'n miljoen</p> <p>3.</p> <p>a) 268 134 ; 268 334 ; ... b) 708 965 ; 703 965 ; ...</p> <p>4.</p> <p>a) $72 \div 12 = 18 - 12$ b) $18 - 9 = 27 \div 3$ c) $19 + 6 = 5 \times 5$ d) $40 - 8 = 4 \times 8$ e) $144 - 12 = 12 \times 11$ f) $56 \div 8 = 15 - 8$ g) $(47 \times 93) + (47 \times 7) = 47 \times 100$ h) $(62 \times 58) - (62 \times 50) = 62 \times 8$</p> <p>5.</p> <p>a) 993 519 b) 243 085 c) 139 048</p> <p>d) $\begin{array}{r} 2\,382 \\ 7\,940 \\ \hline 10\,322 \end{array}$</p> <p>e) $\begin{array}{r} 32\,984 \\ 164\,920 \\ \hline 2\,473\,800 \\ \hline 2\,671\,704 \end{array}$</p> <p>f) $\begin{array}{r} 28\,576 \\ 214\,320 \\ \hline 2\,500\,400 \\ \hline 2\,743\,296 \end{array}$</p> <p>6.</p> <p>a) $576 \times 9 \times 5$ or/of $576 \times 5 \times 9$ $= 5184 \times 5$ $= 2880 \times 9$ $= 25\,920$ $= 25\,920$</p> <p>b) $1806 \div 7 \div 6$ or/of $1806 \div 6 \div 7$ $= 258 \div 6$ $= 301 \div 7$ $= 43$ $= 43$</p> <p>7.</p> <p>a) 5762 b) 4674 c) 248 4464 8928</p> <p>8.</p> <p>a) $\begin{array}{r} 236 \\ 37 \overline{)8732} \\ \underline{74} \\ 133 \\ \underline{111} \\ 222 \\ \underline{222} \\ 0 \end{array}$</p>
<p>HW 39</p> <p>1.</p> <p>a) $4 \times 27\text{ mm} = 108\text{ mm}$ b) $29 + 37 + 21 = 87\text{cm}$ c) $2 \times 57 + 46\text{ cm}$ $= 160\text{ cm}$</p> <p>2.</p> <p>a) 4 cm b) $l = 16m$ & $b = 1m$ or $l = 8m$ & $b = 2m$ or $l = 4m$ & $b = 4m$</p> <p>3.</p> <p>a) 2 b) 4</p>	<p>HW 43</p> <p>1. 17:25 2. 53 3. 80 4. $\frac{5}{11}$ 5. H X 6. multiplication 7. 0,1 or/of $\frac{1}{10}$ 8. R10,50 9. 32 10. R35,00</p>	
<p>HW 40</p> <p>1.</p> <p>a) 16 b) 23</p> <p>2.</p> <p>a) $4 \times 4 \times 4\text{ m}^3$ $= 64\text{ m}^3$ b) $9 \times 5 \times 2\text{ cm}^3$ $= 90\text{ cm}^3$ c) $12 \times 7 \times 3\text{ cm}^3$ $= 252\text{ cm}^3$</p>	<p>HW 44</p> <p>1. 1,25 2. 25; 36; ... 3. $12 + 31 + 30 + 2 = 75$ 4. $7 \times 24 \times 2 = 168 \times 2 = 336$ 5. $986 \times 600 = 591\,600$ 6. Sum of the digits/ Som van die syfers $= 7 + 6 + 5 + 8 + 4$ $= 30$ & 30 is a multiple of 3 / 30 is 'n veelvoud van 3 7. 10 8. $5000 + 236 = 5236$ 9. 69 & 92 10. 81</p>	
<p>HW 41</p> <p>1.</p> <p>a) i) $\frac{1}{8}$ ii) $\frac{1}{8}$ b) i) $\frac{1}{8} \times 40 = 5$ ii) $\frac{3}{8} \times 40 = 15$ c) 25%</p> <p>2.</p> <p>a) Mode = 12 and median = 12 Modus = 12 en mediaan = 12</p> <p>b) Mode = 24,7 kg and median = 26,1 kg Modus = 24,7 kg en mediaan = 26,1 kg</p>	<p>HW 45</p> <p>Numbers and Operations / Getalle en Bewerkings</p> <p>A</p> <p>1.</p> <p>a) $6 \times 100\,000 + 8 \times 10\,000 + 2 \times 1000 + 4 \times 100 + 1 \times 10 + 5$ b) 43 436 4368 c) 1000 d) 937 700 938 000 e) 237 701 f) $6\,377\,249 < 6\,378\,249 < 6\,873\,249 < 7\,683\,249$</p>	

b)

$$\begin{array}{r} 142 \\ 59 \overline{)8378} \\ \underline{59} \\ 247 \\ \underline{236} \\ 118 \\ \underline{118} \\ 0 \end{array}$$

- 9.
- a) $\frac{2}{3}, \frac{2}{5}, \frac{2}{7}, \frac{2}{11}$
- b) $\frac{8}{12}, \frac{10}{12}, \frac{9}{12}$ & $\frac{2}{3}, \frac{3}{4}, \frac{5}{6}, \frac{11}{12}$

10.

a) $\frac{1}{3} + \frac{1}{9} = \frac{4}{9}$

b) $\frac{1}{4} + \frac{5}{24} = \frac{6}{24} + \frac{5}{24} = \frac{11}{24}$

c) $\frac{7}{8} - \frac{1}{2} = \frac{7}{8} - \frac{4}{8} = \frac{3}{8}$

d)

$$2 + \frac{4}{6} + 1 + \frac{1}{6}$$

$$= 3\frac{5}{6}$$

e)

$$4 + \frac{2}{10} - 2 - \frac{7}{10}$$

$$= 3 + \frac{12}{10} - 2 - \frac{7}{10}$$

$$= 1\frac{5}{10}$$

$$= 1\frac{1}{2}$$

f)

$$1 + \frac{1}{2} + 1 + \frac{3}{8} - 2 - \frac{1}{4}$$

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

$$= \frac{5}{8}$$

- 11.
- a) $2\frac{1}{3}; 3 \quad (+\frac{2}{3})$
- b) $3\frac{3}{4}; 3\frac{1}{4} \quad (-\frac{1}{2})$
- c) $5,2; 5,5; \quad (+0,3)$
- d) $6,8; 6,3; \quad (-0,5)$
- e) $2,02; 2,12; \quad (+0,1)$

- 12.
- a)

$\frac{1}{10}$	0,1	10%
$\frac{1}{4}$	0,25	25%
$\frac{3}{5}$	0,6	60%
$\frac{3}{4}$	0,75	75%
$\frac{4}{5}$	0,8	80%

b)

$\frac{9}{20}$	0,45	45%
$\frac{7}{25} \quad (\frac{28}{100})$	0,28	28%
$\frac{11}{50}$	0,22	22%
$\frac{11}{25}$	0,44	44%
$\frac{18}{25} \quad (\frac{72}{100})$	0,72	72%

- 13.
- a) 9, 2 1
- b) 3, 2 9
- c) 7,6
- d) 0,984
- e) 18,55

- 14.
- a) 28
- b) 121
- c) 21
- d) 3
- e) 13
- f) 4

- 15.
- a) R144,00 (R288 ÷ 2)
R576,00 (R288 × 2)
R48,00 (R144 ÷ 3)
- b) 12 cm
36 cm
2,4 cm
16,8 cm.

16.

S.P./VP = 20 × R15 = R300

Profit/Wins = R300 – R250 = R50

**Patterns, Functions and Algebra /
Patrone, Funksies en Algebra**

- 1.
- a) 8 ; 10
- b) 16 ; 32
- c) 16 ; 25
- d) 64 ; 125
- e) 21 ; 26
- f) 29 ; 37

- 2.
- a) $y = x + 4$
 $p = 11 \text{ \& } t = 17$
- b) $y = 4 \times x$
 $p = 48 \text{ \& } t = 17$
- c) $y = 2 \times x + 3$
 $p = 23 \text{ \& } t = 14$
- d) $y = 3 \times x - 1$
 $p = 59 \text{ \& } t = 50$

- 3.
- a) 20
- b) 8
- c) 13

- 4.
- a) $t + 7 = 70$
- b) $9 \times t < 70$
- c) $t - 17 = 70$
- d) $t = p + 3 \text{ cm}$

**Space, Shape and Measurement /
Ruimte, Vorm en Meting**

- 1.
- a) An obtuse angle / 'n Stomp hoek
- b) An acute angle / 'n Skerp hoek
- c) A reflex angle / 'n Inspringende hoek

- 2.
- a) 6
- b) 10
- 3.
- a) 2
- b) 4
- c) 0

4.

8	12	6	Rectangles/ Reghoeke
5	8	5	Square & triangles/ Vierkant & driehoek
6	9	5	Triangles & rectangles/ Driehoek & reghoeke
4	6	4	Triangles / Driehoek
10	15	7	Pentagons & rectangles Pentagone & reghoeke

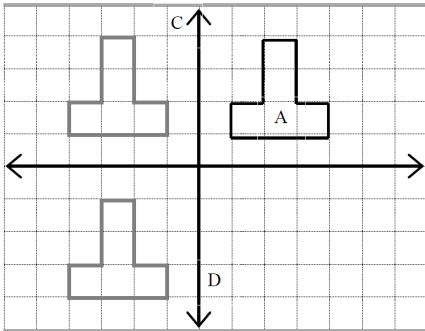
- 5.
- a) AB = 4 cm, DC = 4 cm
BC = 1,5 cm, AD = 1,5 cm
Perimeter/Omtrek
= 2 × 5,5 cm
= 11,0 cm
Area/Opp.
= 4 × 1,5 cm²
= 6 cm²

- b) PQ = 2cm, PS = 2cm
SR = 2cm, QR = 2cm
Perimeter/Omtrek
= 4 × 2cm
= 8 cm
Area/Opp.
= 2 cm × 2 cm
= 4 cm²

- 6.
- a) 12 cm²
- b) 12 cm³

- 7.
- | | | |
|------|----------------------|----------------|
| a) | b) | c) |
| 75 | 3000 | $1\frac{1}{2}$ |
| 96 | $0,75 / \frac{3}{4}$ | 75 |
| 1,5 | 0,008 | 210 |
| 470 | $0,5 / \frac{1}{2}$ | 48 |
| 6,25 | 4800 | 64 |

8.
a) 9w 1d
b) 3d 19h
c) 1 h 40 min
d) 1 yr 9m
9.
a) 08:30
b) 20:30
c) 04:45
10.
a) 9.25 a.m./ vm.
b) 4.50 p.m./ nm.
c) 9.45 p.m./ nm.
11.



D

Word Sums / Woordsomme

1. Mass/massa
= 5kg - 2kg 400g
= 2kg 600g
2. No.steps/Aantal treeë
= 140 000cm ÷ 50cm
= 14 000 ÷ 5
= 2800
3.
 $\frac{2}{3}$ of money/van geld = R72,60
 $\frac{1}{5}$ of money/van geld = R36,30
 $\frac{3}{5}$ of money/van geld = R108,90
4. Diff./Verskil
= 1 - 0,492
= 0,508
5. Distance/Afstand in 1 h = 944 ÷ 8km
= 118km
Distance/Afstand in 6h = 708km
6. No. of ml./Aantal ml
= 40 × 30
= 1200
7. SP/VP
= 126 + $\frac{1}{5}$ × R126
= R126 + R25,20
= R151,20

8. $l = 9\text{cm} \ \& \ P/O = 36\text{cm}$
9. Fraction left/ Breukdeel oor
= $1 - (\frac{1}{4} + \frac{1}{3} \times \frac{3}{4})$
= $1 - (\frac{1}{4} + \frac{1}{4})$
= $\frac{1}{2}$
10. No. bags/ Aantal sakke
= $1275 \div 15$
= $1275 \div 5 \div 3$
= $255 \div 3$
= 85
11. a) B:L = 15: 24 = 5 : 8
b) P/O = $2 \times (24 + 15)\text{cm} = 78 \text{ cm}$
c) 4

12. Diff./Verskil
= R765 750 - R686 750
= R79 000
13.
 $L = 3 + 2 + 4 + \frac{4}{8} + \frac{6}{8} + \frac{1}{8}m$
= $9 + \frac{11}{8}m$
= $10\frac{3}{8}m$

14. Amount each / Bedrag elk
= $R1131 \div 13$
= R87,00
15. Length 1 piece/lengte 1 stuk = 2,5m
Length 2 pieces/lengte 2 stukke = 5cm
No.pieces/Aantal stukke = $2 \times 6 = 12$

E

Data Handling / Datahantering

1.
a) 9 11 12 14 15 15 16
median/mediaan = 14
mode/modus = 15
b) 86 88 88 92 93 96
median/mediaan = 90
mode/modus = 88
c) The median / Die mediaan
= $(14,2 + 15,4) \div 2$
= $29,6 \div 2 = 14,8$
The mode / Die modus = 15,4
2.
a) No./ Aantal = $8 + 6 + 5 + 6 = 25$
b) $\frac{5}{25} = \frac{1}{5}$
c) $\% = \frac{6}{25} \times 100 = 24$
3.
a) i) $72 \div 4 = 18$
ii) $72 \div 8 = 9$
b) $\frac{3}{8}$

- c) i) 25%
ii) $12\frac{1}{2}\%$
4.
a) 1 2 3 4 5 6
b) i) $\frac{3}{6} = \frac{1}{2}$
ii) $\frac{3}{6} = \frac{1}{2}$
iii) $\frac{1}{6}$
iv) 0
5.
a) $\frac{1}{4}$
b) $\frac{5}{15} = \frac{1}{3}$

C

Multiple Choice Questions/ Meervoudige Keusevrae

1. C	2. B	3. D	4. A
5. B	6. B	7. C	8. A
9. D	10. A	11. D	12. C
13. A	14. B	15. B	16. D
17. B	18. B	19. A	20. B
21. D	22. B	23. D	24. A
25. D	26. C	27. C	28. A
29. C	30. C	31. C	32. C
33. B	34. C	35. D	36. D
37. C	38. B	39. D	40. B
41. D	42. C	43. B	44. B
45. C	46. D	47. C	48. B
49. A	50. C	51. D	52. D
53. D	54. C	55. B	56. C
57. D	58. C	59. C	60. B
61. D	62. B	63. D	64. B
65. C	66. C	67. C	68. D
69. A	70. A	71. C	72. D
73. B	74. A	75. D	76. B
77. A	78. C	79. B	80. B
81. C	82. A	83. D	84. A
85. B	86. A	87. B	88. C
89. D	90. A	91. B	92. D
93. C	94. B	95. C	96. B
97. B	98. D	99. D	100. C
101. C	102. D	103. D	104. C
105. B			