1.1.1 1.1.2 1.1.3	15,645 ↓ 83 ↓ R281,25 ↓ ↓	1 1 2
1.1.4	$2\frac{1}{4}$ ~	1
1.2	$33\frac{1}{2}\%$ of R299 = R99,66 $\checkmark$	
	R299 - R99,66 = R199,34 $\checkmark$ OR $66\frac{2}{3}\%$ of R299 = R199,34 $\checkmark$ $\checkmark$	2
1.3.1	It means that to every 1 measure of concentrate, $\checkmark$ you must add 4 measures of	Z
1.3.2	water. 200ml of concentrate and 800ml of water	2
1.3.3	$3\frac{1}{2}$ cups × 4 = 14 cups • •	2
	My friend did not mix it in the correct ratio but added too much water so it will not taste the same. ✓ OR	
	$15 \text{ cups} \div 4 = 3\frac{1}{4} \text{ cups}$	
1.4.1 1.4.2 1.4.3 1.5.1	My friend did not have enough concentrate in the mixture to make it taste the same. $R55 + 5 \times R10 = R105 \checkmark \checkmark$ $R55 + 7 \times R10 = R135 \checkmark \checkmark$ $R55 + n \times R10 = R55 + R10n \checkmark \checkmark$ $5,5\%$ of R4 575 = R251,63 $\checkmark$ R4 575 + R251,63 = R4 826,63 $\checkmark$	3 2 2 2
1.5.2 1.5.3	OR 105,5% of R4 575 = R4 826,63 $\checkmark$ $\checkmark$ Ali $\checkmark$ Ali's % increase = $\frac{R292.50}{R6.500} \times 100 = 4,5\% \checkmark$	2 1
	Fatimah gets the bigger percentage increase.	2
1.6	Daily wage: $\frac{\text{R1725}}{15 \text{ days}} = \text{R115 per day} \checkmark \checkmark$	2
1.7	Lammigs for 20 days. $20 \times RT15 = R2500 \checkmark$ $1 \text{ cm} = 50\ 000 \text{ cm} \checkmark$ $3,7 \text{ cm} = 185\ 000 \text{ cm} \checkmark$ There are 100 cm in 1 m and 1 000 m in 1 km	5
1.8.1	$\therefore 1 \text{km} = 100 \text{ c00 cm} \checkmark$ $\therefore 185 \text{ 000 cm} ÷ 100 \text{ 000} = 1,85 \text{km} \checkmark$ $\overline{x} = (\text{R49,50} + \text{R172,00} + \text{R185,50} +$ R113,50 + R139 00 + R405,00 + R54,50) ÷ 7 ✓	4
1.8.2	= R1 119 ÷ 7 ✓ = R159,86 ✓ R49,50; R54,50; R113,50; R139 00;	3
	R172,00; R185,50; R405,00 $\checkmark$ Median = R139,00 $\checkmark$	2
1.9.1	Area of rectangle: 9cm $\times$ 4,5cm = 40,5cm <sup>2</sup> $\checkmark$	2
1.9.2	Circumference of the circle: $C = 3,14 \times 4,5cm = 14,13cm \checkmark \checkmark$	2

1.9.3	Volume of box:	
1.0.4	$6 \text{cm} \times 1,5 \text{cm} \times 2,5 \text{cm} = 22,5 \text{cm}^3 \checkmark \checkmark$	2
1.9.4	Surface area of box:	
	$2 \times 1.5$ cm $\times 2.5$ cm $+ 2 \times 6$ cm $\times 2.5$ cm $+ 2$	
	$\times$ 1,5cm $\times$ 6cm $\checkmark$ $\checkmark$	4
2.1	- 55,5011 <sup>-</sup> ✓	4
2.1	to a lender of for the use of horrowed	
	to a fender ♥ for the use of borrowed	2
221	Interest is calculated based on the new	5
2.2.1	halance in other words interest has been	
	paid on interest 4 4	2
222	(a) = R1 762 34 4 4	4
2.2.2	(a) $R1702,54777$ (b) = R211.48 $\checkmark$	
	$(c) = R1 973 82 \checkmark \checkmark$	6
223	$R_{1} = 973 R_{2} - R_{1} = 000 = R_{2} = R_{2} = 8273 R_{2}$	0
2.2.4	R973.82	
2.2.	$R1\ 000$ × 100 = 9/,38%	
2.2.5	$6 \times 12\% = 72\% \Longrightarrow \text{R720,00} \checkmark \checkmark \checkmark$	3
3.1	$12 \div (12 \pm 12)$ $4 = 4 = \frac{1}{2}$ or 0.5 4	
	$12 \div (12 + 12) \lor \lor - \frac{2}{2} 010,5 \lor$	3
3.2	$8 \div (8+12) \checkmark \checkmark = 0,4 \checkmark$	
	0,4 of 60 drops = 24 drops $\checkmark$ $\checkmark$	5
3.3	$4 \div 60 = 0,0667 \checkmark$	
	$\therefore a \div (a + 12) = 0,0667 \checkmark$	
	$\therefore a = 0.0667 \times (a + 12) \checkmark$	
	$\therefore a = 0,0667 a + 0,799$	
	$\therefore a - 0,0667 a = 0,799$	
	$0,933 a = 0,799 \checkmark$	
	$\therefore a = 0.856 \checkmark$	
	The child is approximately one year old.	6
4.1	Female ticked ✓	
	Age: 13-14 ticked ✓	2
4.0.1	A lot ticked ✓	3
4.2.1	35 males and 60 females ✓ ✓	2
4.2.2	l otal number of students taking part in	
	survey = 95 $\checkmark$	
	Number of students felt a lot of an	
	The counceler could have arrived that	
	44 40	
	$\frac{11}{95} \approx \frac{10}{100} \approx 2$ out of every 5. $\checkmark$	4
4.2.3	% of boys feeling pressured :	
	$\frac{14}{1}$ as a percentage	
	$= 40\% \checkmark \checkmark$	
	<sup>30</sup> of girls reening pressured :	
	$\frac{36}{60}$ as a percentage	
	= 50% • •	
	The data seems to show that girls feel the	
	pressure more than boys. 🗸	5
4.2.4	(a) It creates the impression that there were a	
	lot more girls participating in the survey	
	than there were boys. $\checkmark$	2

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	(b) No. $\checkmark$ The actual ratio of boys to girls is $63:36 \approx 2:1 \checkmark$ and the graph creates the	
	of female bar: length of male bar) (c) The counselor has not started the <i>x</i> -axis	3
4.0.5	at zero. This tends to emphasise the difference between the boys and girls. $\checkmark$	2
4.2.5	(a) $a = \frac{5}{6} = 50\% \checkmark \checkmark$	
	$b = 100\% - 50\% \checkmark$	3
	(b) "Older girls are more likely to experience a lot or an unbearable amount of pressure than <b>younger</b> girls" $\checkmark \checkmark$	
	60% of older girls experience a lot or an	
	20% of younger girls	4
	(c) A double bar graph. It would be easy to	т
	compare both age groups to each other $\checkmark$ $\checkmark$ and the two categories within the age	
	groups. 🗸 🗸	4
5.1.1	17 •	1
5.1.2	Wednesday $\checkmark$	2
5.1.5	$14:45 - 11:45 = 3$ flours $\checkmark \checkmark$	2
515	$1/.00 = 14.45 = 2$ flours 15 finitutes $\checkmark$ $\checkmark$	3
5.1.5	minutes $\checkmark$ Therefore the movie will end	
	at 22:15 plus 2 hours and 15 minutes which	
	$00.30$ $\swarrow$	4
521	20 seats	1
5.2.2	(a)R30.00 ×	1
	(b) R25,00 ✓	
	(c) R45,00 ✓	3
5.2.3	H8 and H9 • •	2
5.2.4	L7 🗸 🗸	2
5.2.5	Category 1 tickets are the least expensive	
	• but is off to the side of the room • which	
	means you do not get as good a view as you	
	would if you were further back from the	
	screen and in the centre of the room.	
	<ul> <li>Therefore it should be in the least</li> </ul>	
	expensive category. 🗸	5
6.1	If you print 1 000 brochures it will cost you	2
62	1 000 × $R5 \times A$	2
0.2	$= R5000 \checkmark$	3
6.3	$2.500 \times \text{cost} = \text{R}5\ 000 \checkmark \checkmark$	5
	$cost = R5\ 000 \div 2\ 500$	
	$cost = R2,00 \checkmark$	3
6.4	Number of brochures $\times$ R20 = R5 000 $\checkmark$	
	Number of brochures = $R5 000 \div R20$	
	Number of brochures = $250 \checkmark$	3
6.5	Decreases.	1