

SA's Leading Past Year

Exam Paper Portal

STUDY

You have Downloaded, yet Another Great Resource to assist you with your Studies 😊

Thank You for Supporting SA Exam Papers

Your Leading Past Year Exam Paper Resource Portal

Visit us @ www.saexampapers.co.za



SA EXAM
PAPERS



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

GRADE 12

ACCOUNTING P2

NOVEMBER 2022

MARKING GUIDELINES

MARKS: 150

MARKING PRINCIPLES:

1. Unless otherwise stated in the marking guidelines, penalties for foreign items are applied only if the candidate is not losing marks elsewhere in the question for that item (no penalty for misplaced item). No double penalty applied.
2. Penalties for placement or poor presentation (e.g. details) are applied only if the candidate is earning marks on the figures for that item.
3. Unless otherwise stated, give full marks for correct answer. If answer incorrect, mark workings.
4. If a pre-adjustment figure is shown as a final figure, allocate the part-mark as a working mark for that figure (not the method mark for the answer). **Note:** if figures are stipulated in memo for components of workings, these do not carry the method mark for final answer as well.
5. Unless otherwise indicated, the positive or negative effect of any figure must be considered to award the mark. If no + or – sign or bracket is provided, assume that the figure is positive.
6. Where indicated, part-marks may be awarded to differentiate between differing qualities of answers from candidates.
7. If candidates provide more than the required number of responses, inspect all responses to give benefit to the candidate. Penalties may be applied for foreign entries if earning full marks not related to Q (max -2 per Q).
8. This memorandum is not for public distribution; as certain items might imply incorrect treatment. The adjustments made are due to nuances in certain questions.
9. Where penalties are applied, the marks for that section of the question cannot be a final negative.
10. Where method marks are awarded for operation, marker must inspect reasonableness of answer.
11. Operation means 'check operation'. 'One part correct' means operation and one part correct. Note: check operation must be +, -, x, ÷ as per candidate's calculation (if valid) or per memo.
12. In calculations, do not award marks for workings if numerator & denominator are swapped – this also applies to ratios.
13. In awarding method marks, ensure that candidates do not get full marks for any item that is incorrect at least in part. Indicate with a ☒.
14. Be aware of candidates who provide valid alternatives beyond the marking guidelines. Note that one comment could contain different aspects.
15. Codes: f = foreign item; p = placement/presentation.

These marking guidelines consist of 10 pages.

QUESTION 1

1.1

1.1.1	C ✓
1.1.2	A ✓
1.1.3	E ✓
1.1.4	B ✓

4

1.2 WEZA STITCHES

1.2.1

Calculate: Direct labour cost		WORKINGS	ANSWER
		$6 \times (1\,840 \times R40) + 230 \times R64 + 35\,328$ <small>(R40 x 1,6) 230 x R64</small> 441 600 ✓✓ + 14 720 ✓✓ + 35 328 ✓✓ <small>if 8% of normal time</small>	491 648 ✓ one part correct mark earned in workings
OR:	$(441\,600 \times 108\%) + 14\,720$ 476 928 + 14 720 <small>four marks two marks</small>		
Be alert to alternative arrangement for calculations			

7

Calculate: Factory overhead cost			
Total before corrections		541 600	
Insurance	- 32 500 + 19 500 or 32 500 x 40%	- 13 000	✓✓*
Water and electricity	- 54 000 ✓ + 63 000 ✓ <small>(126 000 x 2/4)</small>	+ 9 000	✓*
TOTAL		537 600	✓

* one part correct

6

Calculate: Total cost of production for 2022		WORKINGS	ANSWER
		$652\,800 + 491\,648 + 537\,600$ <small>see 1.2.1 (DLC) see 1.2.1 (FOHC)</small>	R1 682 048 ✓ one part correct

4

1.2.2

<p>Annie is concerned that fixed costs increased to R806 400. Explain why she should not be concerned. Provide TWO points. Quote figures.</p> <p>TWO points ✓ ✓ with comparative figures ✓ ✓ The first two points must mention / imply economies of scale and may be combined for two valid points, with different comparative figures quoted.</p> <ul style="list-style-type: none"> • <u>Economies of scale was achieved</u> due to an increase in production by 1 150 units / from 5 250 to 6 400 / 21,9% • Fixed costs <u>per unit</u> decreased by R25 / from R151 to R126 / by 16,6% (as fixed costs remain relatively stable / not influenced by the level of production) • Total fixed cost increased by R13 650 / from R792 750 to R806 400 / by 1,7% which is below the inflation rate.

4

1.2.3

<p>Comment on whether the production staff deserves the production bonus that they received. Provide THREE points, with figures.</p> <p>THREE points ✓ ✓ ✓ with figures (comparison) ✓ ✓ ✓ Clear motivation for staff deserving the bonus; be alert to valid comments on why they do not deserve the bonus. Note that more than one point may be combined in a single statement e.g. Production and BEP Award marks accordingly.</p>	
POINT 1	<ul style="list-style-type: none"> • <u>Production increased</u> from 5 250 to 6 400 units / by 1 150 units / by 21,9% • <u>BEP decreased</u> from 6 954 to 6 156 / by 798 units / by 11,5% • The business <u>made a profit</u> on 244 units (or R31 964) compared to <u>a loss</u> on 1 704 units (or R194 256) last year.
POINT 2	<ul style="list-style-type: none"> • <u>Direct material cost per unit decreased</u> from R128 to R102 / by R26 / by 20,3%; an indication of good control / less wastage / efficiency in production / better training • <u>Direct labour cost per unit decreased</u> from R95,00 to R76,82 / by R18,18 / by 19,1% (see 1.2.1 DLC); an indication that it is being well managed; meeting targets during normal time.
POINT 3	<ul style="list-style-type: none"> • <u>Overtime was limited</u> to only 230 hours / 12,5% of normal time / 11,1% of total hours spent in production (small proportion of time spent in production / saving the company on overtime rates) • <u>Decrease in total variable costs</u> from R251 per unit to R244 / by R7,00 / 2,8%

6

1.2.4

<p>Annie wants to improve her profit by R50 000 during the next financial year while maintaining costs. Calculate the <u>additional units</u> that must be produced to achieve this target.</p>	
WORKINGS	ANSWER
$\frac{50\ 000 \checkmark^*}{375 \checkmark - 244 \checkmark}$ <p>131 two marks</p> <p>Numerator and denominator must be marked as such * one mark for 50 000 only (as a stand-alone figure) i.e. any adjustments (+ ; - ; x) to this figure would make the numerator incorrect.</p>	<p>382 units <input checked="" type="checkbox"/></p> <p>one part correct; if mark earned in workings</p> <p>accept 381,7 units</p>

4

TOTAL MARKS	35
-------------	----

QUESTION 2

2.1 VAT

Calculate the VAT amount that must be paid to SARS for the VAT period ended 31 May 2022.		ANSWER																				
WORKINGS																						
<p>Mark one option only; inspect option that benefits the candidate. Be alert to alternative presentation for calculations.</p> <p style="text-align: center;"> ✓ ✓ ✓ ✓ ✓✓ ✓✓ </p> <p style="text-align: center;"> 55 785 + 5 070 – 6 240 + 5 400 – 2 460 – 4 680 <small>(18 860 x 15/115) two marks (31 200 x 15%) two marks</small> </p> <p>OR – 55 785 – 5 070 + 6 240 – 5 400 + 2 460 + 4 680</p> <p>OR</p> <table border="1" style="display: inline-table; margin-right: 20px;"> <tr><td>6 240</td><td>55 785</td></tr> <tr><td>2 460*</td><td>5 070*</td></tr> <tr><td>4 680*</td><td>5 400*</td></tr> <tr><td>52 875</td><td></td></tr> <tr><td>66 255</td><td>66 255</td></tr> </table> <p>OR</p> <table border="1" style="display: inline-table;"> <tr><td>55 785</td><td>6 240</td></tr> <tr><td>5 070*</td><td>2 460*</td></tr> <tr><td>5 400*</td><td>4 680*</td></tr> <tr><td></td><td>52 875</td></tr> <tr><td>66 255</td><td>66 255</td></tr> </table> <p style="text-align: center;"><small>* amounts may be in brackets in the opposite column (side).</small></p>		6 240	55 785	2 460*	5 070*	4 680*	5 400*	52 875		66 255	66 255	55 785	6 240	5 070*	2 460*	5 400*	4 680*		52 875	66 255	66 255	<p>52 875 <input checked="" type="checkbox"/> one part correct</p>
6 240	55 785																					
2 460*	5 070*																					
4 680*	5 400*																					
52 875																						
66 255	66 255																					
55 785	6 240																					
5 070*	2 460*																					
5 400*	4 680*																					
	52 875																					
66 255	66 255																					

9

2.2 STOCK VALUATION

MOUNTAIN BIKES

2.2.1 Calculate the value of the closing stock on 28 February 2022, using the specific identification stock method.

MODEL	WORKINGS	ANSWER
KING		R666 000
PALO	<p>(62 + 250 - 2) 310 one mark – 245 one mark</p> <p style="text-align: center;">65 ✓✓ x R5 200 ✓</p>	R338 000 <input checked="" type="checkbox"/> one part correct*
GAMA	<p style="text-align: center;">18 ✓ x (9 600 x 100/160) two marks R6 000 ✓✓</p>	R108 000 <input checked="" type="checkbox"/> one part correct*
	TOTAL	R1 112 000 <input checked="" type="checkbox"/> one part correct; must include 666 000

* if mark is earned in workings

9

2.2.2 Explain TWO different examples of how the division of duties could prevent an incident such as this from occurring again in the future.

Part marks for incomplete/unclear/partial answers:

An explanation of division of duties may be considered as an incomplete response.

Any TWO valid examples or duties that can be divided or delegated ✓✓ ✓✓
Accept practical examples provided by candidates

Allocate each of the following tasks to different employees, whereby one person acts as a check for the other.

- Ordering and receiving stock
- Dispatching to sales and recording sales
- Follow up on documentation and authorisation
- Physical stock counts and reconciling to stock records;
- Inspect all physical stock leaving the premises against documentation (order forms, invoices, delivery notes)
- Controlling access to storage facilities / stock or store room.

4

2.2.3 Provide TWO points that show that Milo and his customers are happy with the quality of the Gama Bikes. Quote figures.

TWO valid points ✓ ✓ with figures ✓ ✓

- No (0) returns to suppliers (54 of King; 2 of Palo) is an indication of good quality.
- Higher mark-up of 60% does not deter customers / prepared to pay higher price / appeals to a select market (other products uses 50% mark-up)
- Highest sales revenue of R2 323 200 (R1 911 000 for Palo; R1 930 500 for King / R412 000 more than Palo; R392 500 more than King)
- Lowest closing stock value; R108 000 **see 2.2.1** and / or 18 units on hand / or 7% of available stock / 242 of 260 units were sold / or 93% of available stock sold
- High turnover rate (13 times / 27 days) would prevent stock from becoming obsolete/ damaged/stolen/overtaken by newer models entering the market / cash not tied up in stock

4

POWDERED ENERGY DRINKS (1 kg TUBS)

2.2.4 Calculate the value of the closing stock on 28 February 2022, using the FIFO stock valuation method.

WORKINGS		ANSWER
180 – 30		
150*✓✓	x R483 ✓	
	R72 450 three marks	
	(71 250 two marks + 1 200 one mark)	
	150 x 475 150 x 8	
85✓	x R468 ✓	
	R39 780 two marks	
235 – figure used*	(39 100 one m.mark + 680 one m.mark)	
	85 x 460 85 x 8	
OR:	R71 250 + R39 100 + R1 880	
	two marks one mark two marks	
Be alert to alternative presentations for calculations.		
		R112 230 ✓ one part correct; if mark is earned in workings for stock value

6

2.2.5 Calculate the stockholding period (in days) on 28 February 2022. Use the closing stock figure.

WORKINGS	ANSWER
<p>see 2.2.4</p> $\frac{112\,230 \checkmark \times 365}{404\,140 \checkmark}$ <p style="text-align: center;">OR if Units are used:</p> $\frac{235 \text{ one mark} \times 365}{925 \text{ one mark}}$ <p>Mark numerator and denominator as such; do not mix Rands with units. The stand-alone rule would apply to the numerator and denominator</p>	<p>101,4 days <input checked="" type="checkbox"/></p> <p style="background-color: yellow;">One part correct; if x 365</p> <p>Accept 101 days</p> <p>OR 92,7 days</p> <p>Accept 93 days</p>

3

2.2.6 Comment on your findings above. Provide TWO points, with figures. Note that the stockholding period for 2021 was 58 days.

TWO valid comments ✓ ✓ comparative figures ✓ ✓ either with previous year or with shelf-life
Note: comment and figures may be provided in the same statement; consider candidate's points 1 and 2 together.
Responses may vary depending on answer in 2.2.5

TWO valid comments : ONE mark each Be alert to valid alternative responses

- The product is not selling / stock is selling at a slower rate than last year
- Cash tied up in stock / working capital / may have liquidity issues.
- This is a health product with a limited shelf-life / perishable / will end up being disposed or wasted.

Relevant figures: TWO marks for figures / trend

SHP increased from 58 days to 101,4 days / by 43,4 days
OR from 58 days to 92,7 days / by 34,7 days
OR more than 3 months on shelves
OR the SHP is 35,4 days / 26,7 days above the shelf-life of 66 days.

4

2.2.7 Milo has noticed that some of the stock of energy drinks has exceeded the shelf life (sell-by date). Identify the value of stock that Milo is referring to.

<p>R39 780 <input checked="" type="checkbox"/><input checked="" type="checkbox"/> see workings in 2.2.4 two marks or nothing</p> <p>Inspect: Must be the cost of the additional units from the Nov 2021 purchases</p>	
---	--

2

2.2.8 Milo wants to sell the outdated stock at half the cost price. What advice would you offer him about this proposal? Provide TWO points.

POINT 1	<p>TWO points of advice ✓ ✓ ✓ ✓ part marks for incomplete/unclear/partial answers Be alert to comments that may not be an advice, or an advice being implied by the response.</p> <ul style="list-style-type: none"> • Do not sell these product; it may create a poor image of the business / is hazardous to customers; consider the well-being or reaction of customers before making such proposals. • The business must absorb (write off) these products as a loss / destroy or dispose the outdated products and consider environmental issues. • Consider the long term consequences of unethical or illegal actions (legal action / lack of continued support / drop in sales / lose trading licence / face criminal charges for malpractice) • Customers / users must be informed of sell-by-date (if the goods are going to be sold or donated) or if not considered to be harmful.
POINT 2	<p>For ONE mark: Improve internal control measures to identify such cases in future.</p>

4

TOTAL MARKS	45
--------------------	-----------

QUESTION 3

3.1 Creditors' Payment Schedule for December 2022

	CREDIT PURCHASES	NOVEMBER	DECEMBER
October	300 900	60 180	
November	331 500	251 940	66 300 ✓✓
December	222 700 ✓✓	if x 80% x 95%	169 252 ✓✓
		312 120	235 552 ✓ one part correct

7

3.2 Calculate the missing figures (i) to (iii) in the Cash Budget.

NO.	WORKINGS	ANSWER
(i)	Collection from debtors: December 2022 643 500 x 70% OR 193 050 x 70/30	450 450 ✓✓ (2)
(ii)	Rent income: December 2022 (15 000 / 60m) R250 one mark x 75m one mark 15 000 ✓ + 18 750 ✓✓ Be alert to alternative calculations, such as: OR 15 000 one mark + (15 000 x 75/60) two marks OR 15 000 one mark + (15 000 x 125%) two marks OR 15 000 one mark + (15 000 + 3 750) two marks OR 15 000 one mark x 225% two marks OR R250 one mark X 135m two marks	33 750 ✓ one part correct* (4)
(iii)	Salaries: November 2022 (55 595 – 14 840) two marks two marks one mark 40 755 ✓✓ x 100/104,5 ✓ OR 40 755 – 1 755	39 000 ✓ one part correct* (4)

* i.e. mark earned in workings

10

3.3.1 Calculate the deposit that will be paid for the purchase of the company vehicle during December 2022.

WORKINGS	ANSWER
(20 800 x 24) two marks (499 200 two marks – 45 600 one mark) OR (18 900 x 24) three marks 453 600 ✓✓✓ x 25 / 75 ✓ 453 600 x 100/75 OR: 604 800 – 453 600 three marks one mark	151 200 ✓ one part correct; if mark earned in workings

5

3.3.2 Juanita is concerned about the cash position for December 2022. She proposes moving the purchase of the vehicle to January 2023. Use the table below to show the effect of this proposal to the December 2022 Cash Budget.

Budgeted deficit on 31 December 2022	(120 000)
Deposit on vehicle see 3.3.1	151 200 <input checked="" type="checkbox"/>
Monthly instalment (18 900 + 1 900) one mark	20 800 ✓
Fuel for company vehicle	7 500 ✓
Insurance	3 200 ✓✓
Cash deficit/surplus after the proposed move one part correct	62 700 <input checked="" type="checkbox"/> Must include (120 000)

6

3.4 Juanita is concerned about her decisions in October 2022 to adjust the mark-up % and the amount actually spent on advertising. Provide TWO points to indicate whether these were wise decisions or not. Quote figures and/or calculations.

ONE point on sales or gross profit ✓ figure/s ✓
ONE point on advertising ✓ figure/s ✓

POINT 1	<p>The reduction in mark-up % led to:</p> <ul style="list-style-type: none"> Sales of 4 390 units more than budgeted / from 7 080 units to 11 470 units / by 62%. OR sales exceeded the budget by R247 446 (from R584 100 to R831 546 or 42,4%) Gross profit is more than budgeted by R27 966 or 12,2% (from R230 100 to R258 066) / cost of sales was more than budgeted as expected, due to more sales (by R219 480)
POINT 2	<p>Underspent on advertising by R12 000 (40 000 – 28 000) or by 30% was not significant as it did not affect sales negatively / budgeted figure was 6,8% of sales, but actual amount used was 3,4% of sales. It could be argued that sales could have been higher if more was spent on advertising.</p>

4

3.5.1 Explain why Juanita should be concerned about the actual amount spent on repairs and maintenance during October 2022. Quote a figure or a calculation.

Figure (comparison) ✓

Underspent on maintenance by R22 000 / spent only R8 000 of the R30 000 budget / 26,6% of the budget was used / 73,3% of budget was not used.

Explanation for concern ✓ accept short statements

This could affect the long-run productivity of the assets / neglecting maintenance may cause disruptions to operations / cash savings in the short-run may cause fixed assets to break down or deteriorate, leading to greater expenses in the future.

2

3.5.2

James feels that there has been a lack of control over the amounts spent on delivery expenses and packing material. Explain whether James' opinion is correct or not. Provide calculations.

EXPLANATION ON DELIVERY EXPENSES	<p>Explanation (comparison with sales) ✓✓ Figures ✓✓ comparison of percentages or unit cost award ONE mark if only comparative figures (variances) are used.</p> <p>The delivery costs were well maintained; service provider was able to operate more efficiently in spite of increased sales:</p> <ul style="list-style-type: none"> • Delivery expenses is 22,4% more than budgeted, but units sold is more than budgeted by 62% / sales is 42,4% more than budgeted • Delivery cost per unit is R3,74 compared to the R4,95 budgeted. • <i>Budgeted for 6% of sales actual was 5,2% of sales</i> <p>THREE mark option: comparison with sales quoting variances: Delivery expenses is over the budget by R7 850, but sales is more than budgeted by 4 390 units / by R247 446</p> <p>ONE mark option: no comparison with sales but variances mentioned: Delivery expenses is over the budget by R7 850.</p>
EXPLANATION ON PACKING MATERIAL	<p>Explanation (comparison with sales) ✓✓ Figures ✓✓ comparison of percentages or unit cost award ONE mark if only comparative figures (variances) are used.</p> <p>Packing material was efficiently managed / in line with the budget:</p> <ul style="list-style-type: none"> • Packing material is 62% more than budgeted and units sold is also 62% more than budgeted / sales is 42,4% more than budgeted / cost of sales is also 62% more than budgeted. • Unit cost of packing material was maintained at R3,30. • Budgeted for 4% of sales actual was 4,6% of sales <p>THREE mark option: comparison with sales quoting variances: Packing material is over the budget by R14 486, but sales is more than budgeted by 4 390 units / by R247 446</p> <p>ONE mark option: no comparison with sales but variances mentioned: Packing material is over the budget by R14 486.</p>

8

3.6

Juanita wants to use social media to create an on-line shopping platform to increase her sales from January 2023. Name THREE additional payments that must be included in the January 2023 budget.

Any THREE valid different examples of payments ✓ ✓ ✓
 Accept any relevant example, including existing payments that may have to be adjusted because of this venture.

EXAMPLE 1	<p>Possible examples. Be alert to examples not mentioned on this list</p> <table border="1"> <tr><td>Establishment of a call centre / telephone lines</td></tr> <tr><td>Additional couriers services / transport and carriage costs</td></tr> <tr><td>Additional delivery vehicles</td></tr> <tr><td>Computer, computer hardware, file server</td></tr> <tr><td>Generator / inverter / UPS / solar panels</td></tr> <tr><td>Increased salaries / for drivers, assistants, IT technician, staff</td></tr> <tr><td>Packaging costs / packing material</td></tr> <tr><td>Insurance</td></tr> <tr><td>Staff training</td></tr> <tr><td>Data costs, fibre installations, internet cost</td></tr> <tr><td>Software construction costs, website design</td></tr> <tr><td>Additional advertising</td></tr> <tr><td>IT maintenance</td></tr> </table>	Establishment of a call centre / telephone lines	Additional couriers services / transport and carriage costs	Additional delivery vehicles	Computer, computer hardware, file server	Generator / inverter / UPS / solar panels	Increased salaries / for drivers, assistants, IT technician, staff	Packaging costs / packing material	Insurance	Staff training	Data costs, fibre installations, internet cost	Software construction costs, website design	Additional advertising	IT maintenance
Establishment of a call centre / telephone lines														
Additional couriers services / transport and carriage costs														
Additional delivery vehicles														
Computer, computer hardware, file server														
Generator / inverter / UPS / solar panels														
Increased salaries / for drivers, assistants, IT technician, staff														
Packaging costs / packing material														
Insurance														
Staff training														
Data costs, fibre installations, internet cost														
Software construction costs, website design														
Additional advertising														
IT maintenance														
EXAMPLE 2														
EXAMPLE 3														

3

TOTAL MARKS	45
--------------------	-----------

QUESTION 4

4.1

4.1.1	True ✓	
4.1.2	False ✓	
4.1.3	False ✓	

3

4.2 BANK RECONCILIATION

4.2.1

CASH RECEIPTS JOURNAL			CASH PAYMENT JOURNAL	
	Amount			Amount
Total	101 200		Total	135 215
	2 700 ✓✓			4 000 ✓✓
	5 800 ✓			1 400 ✓
	260 ✓			1 800 ✓
				825 ✓
	109 960	<input checked="" type="checkbox"/> both totals must include provisional totals		143 240

10

-1 (max -1) foreign / superfluous items (only if mark/s are earned elsewhere for the same figure)
In awarding the method mark for totals, ensure that the candidate do not get full marks for including any incorrect figure/s. Indicate with a (Principle 13)

4.2.2

WORKINGS		ANSWER					
(- 33 280 two method marks)		20 520 <input checked="" type="checkbox"/>					
53 800 ✓ + 109 960 <input checked="" type="checkbox"/> - 143 240 <input checked="" type="checkbox"/>	<table border="1" style="display: inline-table;"> <tr> <td>53 800</td> <td>143 240</td> </tr> <tr> <td>109 960</td> <td>c/d 20 520</td> </tr> </table>	53 800	143 240	109 960	c/d 20 520	one part correct.	
53 800	143 240						
109 960	c/d 20 520						
see CRJ	see CPJ						

4

4.2.3

BANK RECONCILIATION STATEMENT ON 31 JULY 2022			
	Alternative	DEBIT	CREDIT
Balance per <u>Bank Statement</u>	71 020 balancing figure		71 020 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> balancing figure, could be DR
Outstanding deposit (30 July)	29 500		29 500 ✓
Outstanding EFT No. 350	(4 200)	4 200 ✓	
No. 351	(3 800)	3 800 ✓	
Correction: Unitech College	(72 000)	72 000 ✓✓	
Balance as per <u>Bank Account</u>	20 520	20 520 <input checked="" type="checkbox"/> could be CR	
-1 Presentation (inappropriate / no details provided); -1 foreign items / superfluous items, (only if mark/s are earned elsewhere for the same figure) max -1		100 520	100 520

Candidates are expected to indicate DR and CR columns
If DR and CR is not indicated, assume that the first column is Debit

8

TOTAL MARKS	25
--------------------	-----------

TOTAL: 150