



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

**CONSUMER STUDIES
(PRODUCTION OF PATCHWORK
QUILTING ARTICLES BY HAND)**

**GUIDELINES FOR
PRACTICAL ASSESSMENT TASKS**

GRADE 12

2021

These guidelines consist of 21 pages.

THE PRACTICAL ASSESSMENT TASK FOR CONSUMER STUDIES PRODUCTION OF CLOTHING ITEMS

1. INTRODUCTION

The 18 Curriculum and Assessment Policy Statement subjects which consists of practical component all include a practical assessment task (PAT). These subjects are:

- **AGRICULTURE:** Agricultural Management Practices, Agricultural Technology
- **ARTS:** Dance Studies, Design, Dramatic Arts, Music, Visual Arts
- **SCIENCES:** Computer Applications Technology, Information Technology; Technical Sciences; Technical Mathematics
- **SERVICES:** Consumer Studies, Hospitality Studies, Tourism
- **TECHNOLOGY:** Civil Technology, Electrical Technology, Mechanical Technology and Engineering Graphics and Design

A practical assessment task (PAT) mark is a compulsory component of the final promotion mark for all candidates offering subjects that have a practical component and counts 25% (100 marks) of the end-of-the-year examination mark. The PAT is conducted up to the end of September. The PAT allows for learners to be assessed on the skills they have acquired during the weekly practical lessons and the practical examinations in Grades 10 to 12. It also allows for the assessment of skills that cannot be assessed in a written format, e.g. tests or examinations. It is therefore important that schools ensure that all learners complete the practical assessment task within the stipulated period to ensure that learners are resulted at the end of the school year. The planning and execution of the PAT differs from subject to subject.

- During the practical assessment task the learner must demonstrate his/her knowledge and practical ability/skills to produce quality articles focusing on workmanship and suitability for selling.
- The practical assessment task for Consumer Studies for Grade 12, with the Patchwork Quilting by Hand practical option, consists of a practical examination of FIVE (5) HOURS.
- Breakdown of FIVE (5) hours:
 - **Layout and cutting session: ONE-HOUR session (prior to the practical examination)**
 - **Practical examination:** Learners should be able to complete this article within the prescribed time of FOUR (4) hours
- Learners work individually during the practical examination for the PAT.
- The practical examination for the PAT takes place in Term 3.

2. MARK ALLOCATION

- The total allocation of marks for the PAT is 100 marks.
- The marks for the PAT form part of the end-of-year assessment in Term 4.
- The province will provide separate computerised mark sheets, one for SBA and one for PAT.

Layout and cut-out session	6
Practical examination	94
Final mark for PAT	100

3. REQUIREMENTS FOR THE PRACTICAL EXAMINATION

Consumer Studies is an elective subject with five practical options. If the school chooses to offer Consumer Studies as a subject and selects the Patchwork Quilting by Hand practical option, the equipment and funds necessary to conduct the PAT as well as the specified number of practical lessons is the responsibility of the school, **as specified in the CAPS document on page 10.**

The school has the responsibility to ensure the availability of the following for the PAT examination:

- A suitable classroom with the necessary equipment must be available: large tables for cutting out; 2 or more ironing boards and irons; cutting-out scissors (one for each learner); equipment for measuring and marking.
- A minimum of R80 to a maximum of R150 per learner is required to make the prescribed article, besides the funding required for the SBA weekly practical lessons.
- Divide the learners into groups of a maximum of 12 learners each. Twenty four learners (two groups of 12 learners) can take the examination on the same day, e.g. from 08:00 to 12:00 and from 13:00 to 17:00.
- It is important to adhere to the Covid-19 protocol of social distancing.
- The teacher needs time between the two sessions to prepare the classroom for the following group.
- Schools with large numbers of learners will need more than one day to complete this examination.

4. REQUIRED TIME FRAME

- Layout and cutting must be done in a ONE-HOUR session under examination conditions, PRIOR to the practical examination.
- A time frame of FOUR (4) HOURS in total is required for conducting the practical examination.

5. SETTING THE PRACTICAL EXAMINATION

- The examination will take place on a date agreed upon with the moderator.
- The production process, workmanship and saleability of the article are important aspects of the practical examination.
- The teacher must buy a commercial pattern for an article that can be completed in FOUR (4) HOURS
- Learners should be able to demonstrate all the advanced techniques identified for Grade 12.
- The selected article should have a skills-code weighting of 50 points.
- Learners must complete the ONE-HOUR layout and cutting session under examination conditions prior to the practical examination.
- The learners will be assessed on the production process, workmanship and saleability of the article.
- At the end of the FOUR (4) HOURS, learners should hand in their articles for final assessment.
- After the assessment has been completed, the articles have to be returned to learners for correction and finishing off, if necessary.
- The articles will NOT be remarked after the corrections have been made.

6. PREPARING FOR THE PRACTICAL EXAMINATION

The teacher is responsible for the following:

- Set the dates for the practical examination. Communicate these dates to the SMT of the school to ensure that they do not clash with other school activities.
- All the equipment must be in working order before the starting of the practical examination.
- Copy the pattern, illustration(s) and instruction sheet for each learner or buy a commercial pattern for each learner. It is **COMPULSORY** for each learner to work from an instruction sheet.
- Prepare the assessment tool provided with the learners' names.
- Learners must receive the pattern and instructions **ONE WEEK (7 school days)** prior to the layout and cutting session so that they can prepare.
- Purchase the fabric and haberdashery; cut the fabric to the required size for each learner.
- Make up a 'kit' for each learner and include the following:
 - Fabric in the required size
 - The pattern and instruction sheet
 - The necessary haberdashery, such as lace, buttons, pins
- Divide learners into groups according to the number of learners that can easily be accommodated in the room. **Keep the Covid-19 protocol in mind, e.g. the social distancing.**
- Prepare the classroom and ensure the availability of the following:
 - Electrical power points and extension cords for all irons
 - Irons and ironing boards
 - Large tables for the layout and cutting out of articles
 - Enough small equipment, such as scissors, needles, quick-unpicks, pins, thread, bobbins and sharp scissors
- Sanitise the work surfaces and the workstations.

7. PERFORMING THE PRACTICAL EXAMINATION

7.1 Layout and cutting session: **ONE (1) hour prior to the practical examination**

- Ensure that learners wash their hands with soap and water, wear their masks and sanitise their workstations. Adhere to the protocol of social distancing (1,5 m apart from each other).
- All learners performing the layout and cutting session must sign the attendance register.
- The teacher must keep the signed attendance register in a safe place and it should be available on request.
- Hand out each learner's 'kit' with the fabric, pattern instruction sheet and haberdashery, such as lace.
- The teacher is **NOT** allowed to assist the learners in any way at all during the layout and cutting session.
- During the layout and cutting session the teacher must allocate marks.
- Learners may improve/correct the cut-out pattern pieces or cut out new pieces **AFTER** the cutting session is over and marks have been allocated, but this will **NOT** be remarked.
- The teacher then keeps all the learners' pattern pieces in a safe place until the day of the practical examination.

7.2 Practical examination in Term 3: FOUR (4) hours

- When learners enter the classroom hand out the Patchwork Quilting by Hand 'kits' to each learner.
- Enough scissors, pins and needles should be available. **Avoid the sharing of equipment, of limit it to a minimum.**
- Learners perform the practical examination individually under the supervision of the teacher.
- The article should be ready for assessment after FOUR (4) HOURS.
- Learners will lose **2 marks for every 5 minutes late** up to a maximum of 20 marks.
- Only the teacher, the moderator and the candidates may be in the room during the practical examination.
- The teacher must invigilate and assess the learners while they are performing the practical examination and NO other work may be done during this time.
- NO learner may be assisted in any way.
- The teacher must mark the article that was made during the practical examination and record the marks.
- After the article has been marked, the learners may correct mistakes, make improvements and complete the article.
- The article will NOT be remarked after the corrections have been made.
- After the corrections have been made, the articles are kept in a safe place until the day of moderation.

8. EVALUATION

- The teacher and the external moderator have 45 minutes to evaluate the final articles, inspect the learners' workstations and complete the assessment tool.
- While their articles are being evaluated, the learners should tidy and sanitise their workstations on completion of the practical examination so that the teacher/moderator may inspect the workstations for the final allocation of marks.

9. MODERATION OF THE PRACTICAL EXAMINATION

9.1 BEFORE the practical examination:

The teacher must submit the following to the subject advisor for approval by the **end of March or earlier**, to ensure that the practical examination is of an appropriate standard:

- The article selected indicating the skills-code weighting of the techniques
- A photocopy of the pattern envelope
- An instruction sheet
- An illustration of the article
- The list of fabrics, haberdashery, etc. to be purchased
- The completed checklist, checked and signed by the principal
- The assessment tool for the practical examination
- Planning for all sessions (layout and cutting and the practical examination) indicating the total skills-code weighting of techniques

The PAT cannot be done unless it has been approved by the subject advisor.

9.2 ON THE DAY of the practical examination:

- Ensure the candidates wash their hands with soap and water, wear their masks and sanitise their workstations. Adhere to the protocol of social distancing (1,5 m apart from each other). Always keep extra masks.
- During Term 3, a maximum of 12 learners will be externally moderated by the relevant subject advisor while they are performing the practical examination at the school.
- The teacher must have the following available for the moderator on the day of moderation:
 - All the articles that learners made during the weekly practical lessons for SBA (if not moderated during SBA moderation)
 - A copy of the completed mark sheet for weekly practical lessons
 - The completed articles (marked) of all the learners who have completed the practical examination already
 - The marks of all learners who have completed the examination already
 - A separate set of assessment tools for the moderator to use, with the names of the learners already on the assessment tool
- Each learner must sign the attendance register before the examination proceeds.
- The moderator will select six (6) candidates randomly. These candidates will be assessed independently from the teacher, while performing the examination. The articles produced by these learners are assessed after the examination for the final PAT mark.
- On completion of the assessment and consolidation of marks, the moderator will compare his/her assessment with the assessment of the teacher. If the moderator finds that the marks of the teacher differ more than 10% from his/her marks, a block adjustment upwards or downwards should be made based on the difference.
- The table below illustrates how to determine the difference between the moderator's marks and teacher's marks to establish whether adjustment is needed and the margin of adjustment required:

Learner Names					PAT	
					100	
					*T	*M
Learner A					84	69
Learner B					83	70
Learner C					68	53
Learner D					59	44
Learner E					49	40
Learner F					45	40
TOTAL					388	316
AVERAGE MARK = TOTAL ÷ 6 (number of learners)					66	53
DIFFERENCE = 66 (*T) – 53 (*M)					13	
ADJUSTMENT	DOWNWARDS	✓	UPWARDS		- 3	

*T = Teacher; *M = Moderator

NSC (Production of Patchwork Quilting Articles by Hand)

- A block adjustment can also be made based on the professional judgement of the moderator if the practical examination of the school is not of the expected standard.
- The moderator will discuss the outcome and any adjustments with the teacher.
- The final moderated marks should be entered on the computerised mark sheet.
- The marks of all learners will be affected if an adjustment is made.

SKILLS-CODE WEIGHTING OF TECHNIQUES USED IN THE PRODUCTION OF PATCHWORK QUILTING ARTICLES BY HAND

- Use the following skills-code weighting to choose a pattern for the PAT as well as for the weekly practical lessons.
- The skills code indicates the weighting for the techniques and NOT the mark allocation.
- The weighting for a specific technique should only be allocated ONCE.
- The teacher could add a technique not listed below, after discussing it with the subject advisor. The teacher and subject advisor should then decide on the weighting for the new technique.
- A weighting is allocated according to the degree of difficulty of the technique.
- The total weighting of the techniques in the pattern chosen for the practical examination in Grade 12 should add up to a minimum of 50 points.

Patchwork design <ul style="list-style-type: none"> • Design drawn on paper • Design matches the fabric and article • Level of difficulty (number and shape of patches) 	10 3 3 4	Quilting <ul style="list-style-type: none"> • Sandwiching/top layer, batting and lining • Tacking through all three layers • Transfer of quilting design • Even and neat quilting stitches • Stitching straight/smooth curves/square corners • Choice of quilting thread 	20 2 4 4 4 4 2
Layout and cutting of patchwork pieces <ul style="list-style-type: none"> • Measurements marked on fabric accurately • Correct number of patchwork pieces • Pieces placed economically • Straight grain used correctly • Lining and batting accurately measured • Straight cutting 	15 3 2 2 2 3 3	Seams and seam finishing (assemble article, e.g. bag) <ul style="list-style-type: none"> • Stitching straight/smooth curves/square corners • Seam allowance correct and even width • Seam finishing 	10 4 3 3
Seams/Joining of patchwork pieces <ul style="list-style-type: none"> • Patches joined according to design • Small even stitches by hand • Straight seams/smooth curves/square corners • Seam allowance = 0,5 cm • Alignment of patches/seams correspond • Correct ironing of seams 	20 3 4 3 3 4 3	Edge finish/Crossway binding <ul style="list-style-type: none"> • Cutting bias strips • Join bias strips • Attach binding for edge finishing • Correct and even width • Lies flat and even • Neatly quilted by hand 	20 5 5 3 3 2 2
Embroidery: 3–5 decorative stitches by hand <ul style="list-style-type: none"> • Good design, suited for article • Good choice of colours • Techniques for embroidery stitches 	10 3 2 5	Stitched-on pocket <ul style="list-style-type: none"> • Pocket shape, size, hem/width • Correct position on article • Stitching to attach pocket to article 	10 3 3 4
Decorating other than embroidery (Use of other embellishments e.g. lace, beads, buttons) <ul style="list-style-type: none"> • Suitable for the article • Correct and firmly attached 	5 2 3	Bands (handles for bags) <ul style="list-style-type: none"> • Even width, suitable for bag • Reinforced inside with suitable fabric • Attached firmly to bag and reinforced on bag 	10 3 3 4
Appliqué <ul style="list-style-type: none"> • Good design, suitable for article • Good choice of colour • Neatly stitched, blanket stitch/slip stitch/needle turn appliqué 	10 3 2 5	Fasteners: Velcro/button and buttonholes/loops/press studs <ul style="list-style-type: none"> • Spacing • Suitable for item • Correct and firmly stitched 	5 2 1 2
Attaching the lining <ul style="list-style-type: none"> • Correct seam allowance • Straight seams • Neatly attached to the bag • Correct size 	10 2 3 3 2		

**TEACHER PLANNING:
GRADE 12 PRACTICAL EXAMINATION**

*(To be submitted to the subject advisor for moderation at the end of **March** or earlier.)*

Name of school:
Name of teacher:
Date(s) and time(s) of practical examination sessions:

**TEST FOR PAT GRADE 12
(Attach copies of patterns and instruction sheets)**

LAYOUT AND CUTTING	
TECHNIQUES	WEIGHTING
TOTAL	

PRACTICAL EXAMINATION	
TECHNIQUES	WEIGHTING
TOTAL	

EXAMPLE OF TEACHER PLANNING FOR PURCHASES*(To be submitted to the subject advisor for moderation at the end of **March** or earlier.)*

Total number of learners	Groups	Number of learners per group	Dates	Time
25	1	13	10/09/2021	08:00–12:00
	2	12	10/09/2021	13:00–17:00

Requirements per learner	Quantity required per learner	Number of learners	Total
100% cotton (30 cm x 3)	90 cm	25	22,5 metres
Sewing thread	1 reel		25 reels
Pattern	1		25 patterns
Batting	1 m		25 metres
Thread for basting	1		25 reels
Lace/Braid	50 cm		12,5 metres

TEACHER'S SHOPPING LIST

Requirements	Amount
100% cotton	22,5 metres
Sewing thread	25 reels
Pattern	25 patterns
Batting	25 metres
Thread for basting	25 reels
Lace/Braid	12,5 metres

TEACHER PLANNING FOR PURCHASES*(To be submitted to the subject advisor for moderation at the end of **March** or earlier.)*

Total number of learners	Groups	Number of learners per group	Dates	Time

Requirements per learner	Quantity required per learner	Number of learners	Total

TEACHER'S SHOPPING LIST

Requirements	Amount

**CONSUMER STUDIES
PRACTICAL ASSESSMENT TASK
PATCHWORK QUILTING ARTICLES BY HAND
CHECKLIST FOR PLANNING TO BE HANDED IN FOR MODERATION**

SCHOOL		
TEACHER		
PRINCIPAL		
DATE SUBMITTED		
Dates of all PAT sessions	Proposed moderation date	Approved moderation date

CRITERIA	YES/NO	COMMENTS BY MODERATOR
Items included:		
An illustration of the article/photo copy of the pattern envelope		
Copy of the pattern instruction sheet to be provided to learners		
Completed list of techniques and skills-code weighting of article for practical examination		
Planning for purchases attached		

APPROVED/NOT APPROVED

RESUBMISSION DATE: _____

Signatures:

TEACHER: _____ **DATE:** _____

PRINCIPAL: _____ **DATE:** _____

MODERATOR:: _____ **DATE:** _____

**ASSESSMENT TOOL FOR PATCHWORK QUILTING BY HAND
PRACTICAL ASSESSMENT TASK**

NAME OF SCHOOL _____			NAMES AND SURNAMES OF LEARNERS						
DATE _____									
TEACHER _____									
MODERATOR _____									
PRACTICAL EXAMINATION									
1.	PRACTICAL SKILLS AND TECHNIQUES								
1.1	Interpretation of the pattern	4							
	Follow pattern instructions accurately	2							
	Understand terminology and symbols for implementation	2							
1.2	Accurate implementation of techniques	20							
	Correct technique for laying and cutting out	6							
	Correct techniques applied to produce the product: (From the list below, assess the techniques that apply to the product) Joining of patchwork pieces/Embroidery/Decorating other than embroidery/Appliqué/Attaching the lining/Quilting/Seams and seam finishing/Edge finish/Crossway binding/Stitch-on pocket/Bands (handles for bags)/Fasteners	14							
1.3	Correct handling of equipment	8							
	Correct handling of equipment e.g., tape measures, scissors, pins	3							
	Correct handling of needle and thread	2							
	Safe use of equipment, e.g. thread cutter/scissors/pins/iron/needles/cutting wheel	3							
1.4	Economic production of the product	8							
	Regular quality control checkpoints done (during laying and cutting out and production)	2							
	Economic use of supplies, no wastage of fabric or haberdashery	2							
	Works independently, silently, not distracting others, without asking any questions	2							
	Efficient use and management of time	2							
2.	HYGIENE AND NEATNESS								
2.1	Workstation and equipment during practical examination	8							
	Workstation neat and well organised	3							
	Small equipment not lying around	2							
	Works hygienically and safely	3							
2.2	Personal appearance	3							
	Appropriately dressed (school uniform)	1							
	Nails clean and short	1							
	Hands washed and sanitised on entry of class and at regular intervals	1							
2.3	Neatness of workstation after practical examination	4							
	Workstation clean	1							
	Tools cleaned and packed away in correct storage space	2							
	Waste removed, bins clean	1							

**ASSESSMENT TOOL FOR PATCHWORK QUILTING BY HAND
PRACTICAL ASSESSMENT TASK (cont.)**

			NAMES AND SURNAMES OF LEARNERS							
3	SUITABILITY FOR SELLING									
3.1	Packaging	4								
	Protecting the product	1								
	Suitable for the product	1								
	Cost effective	1								
	Consumer appeal	1								
3.2	Label	5								
	Fibre content/type of fabric used	1								
	Shows creativity	1								
	Manufacturer's name/physical address/ contact details	1								
	Size/Price	1								
	Care instructions	1								
3.3	Products created adhere to specifications	36								
	Suitable choice of colours for product	2								
	Correct size of product according to pattern	2								
	Clean product	2								
	Ends/Threads neatly trimmed	2								
	Neatly ironed/pressed	2								
	Seams neatly and correctly joined	2								
	Seams are neatly sewn and finished off	3								
	Secure stitching	2								
	No flaws (e.g. no holes) in the construction of the product	2								
	Correct application of techniques used in the construction of the product	5								
	Correct and even tension throughout	2								
	Suitability for selling (Use the scale below)	10								
	TOTAL	100								
	Late penalties: subtract 2 marks for every 5 minutes late up to a maximum of 20 marks									
	TOTAL	100								

SUITABILITY FOR SELLING:

- 0–2 Unacceptable, does not meet the requirements; cannot sell
 3–4 Poor, meets some requirements; will not sell
 5–6 Average, meets most requirements; should sell
 7–8 Good, meets all the requirements; should sell well
 9–10 Excellent, exceeds all requirements; will sell very well

**EXAMPLE OF PATCHWORK QUILTING BY HAND ARTICLE FOR
THE PRACTICAL ASSESSMENT TASK**

PATCHWORK BAG



[Source: <https://christines-crafts.com/patchwork-bag/>]

WEIGHTING: Selected techniques to a weighting value of 50 skills-code points.

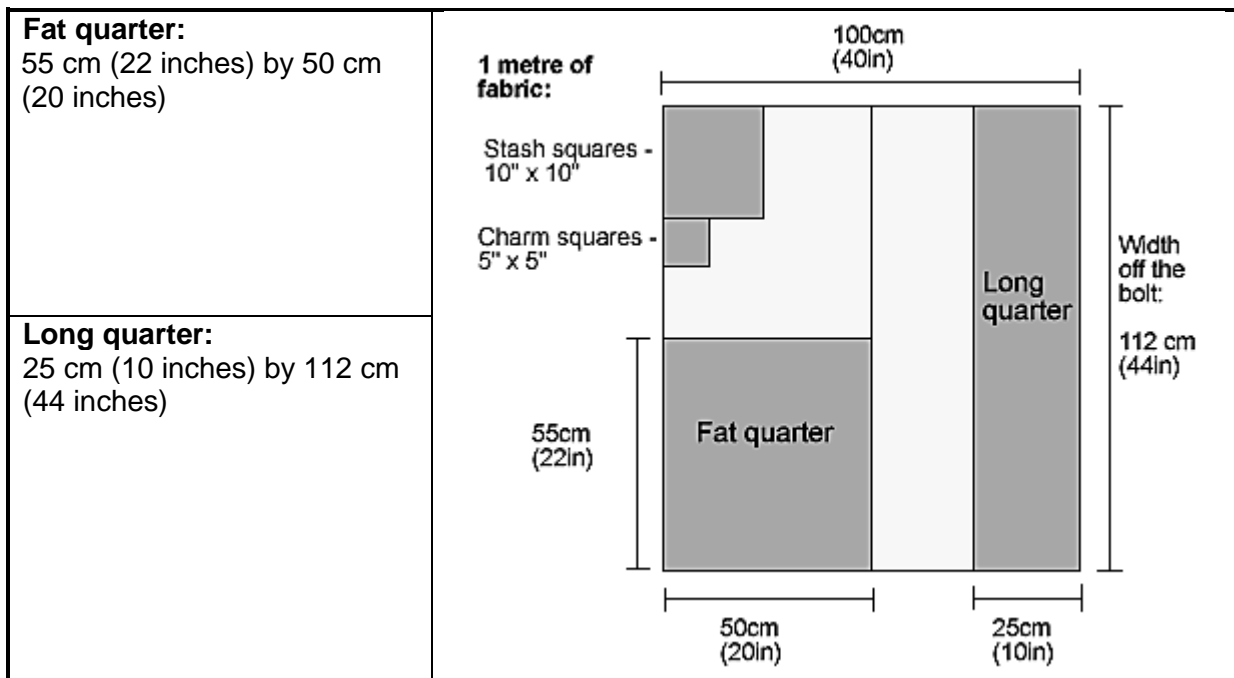
LAYOUT AND CUTTING	
TECHNIQUES	WEIGHTING
Design, layout and cutting of pattern pieces	15
SUBTOTAL	15

TECHNIQUES	WEIGHTING
Seams/joining patchwork pieces	20
Bands (handles for bag)	10
Seams and seam finishing (assemble article)	10
SUBTOTAL	40
TOTAL	55

REQUIREMENTS:

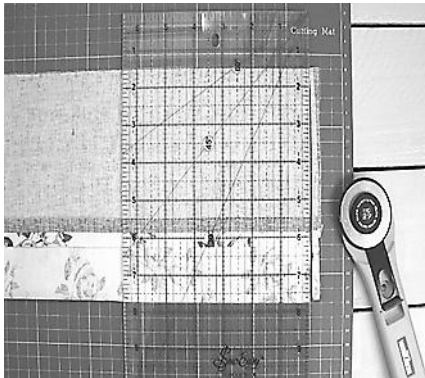

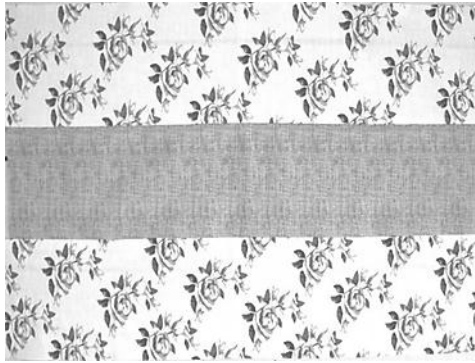
- Fat quarters = 55 cm (22 inches) by 50 cm (20 inches)
- Lining fabric 32 cm (13 inches) by 64 cm (25 inches) unbleached calico but any cotton will work well
- Batting 55 cm (22 inches) by 50 cm (20 inches)
- Thread
- Rotary cutter and self-healing board
- Iron

DIFFERENCE BETWEEN A FAT QUARTER AND A LONG QUARTER:



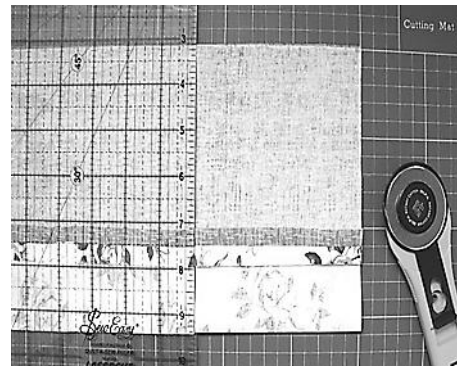
Finished size:

This makes a bag that measures ±30 cm square.

PATCHWORK BAG	
PRACTICAL EXAMINATION: 4 HOURS	
INSTRUCTIONS	ILLUSTRATIONS
<p>PATTERN LAYOUT:</p> <p>STEP 1: Complete the patchwork bag.</p> <ul style="list-style-type: none"> • Fold one of the fat quarters so that it can be easily cut on the board. • Make sure that you are working from an edge that is at right angles to the 'fold'. • Cut a neat edge to start with. • Then cut three strips 12 cm wide. • Repeat with the other fat quarter. Accuracy with measurements is important. 	
<p>STEP 2: Sewing the strips together.</p> <ul style="list-style-type: none"> • Sew one strip of plain fabric to one strip of patterned fabric along a long edge ensuring that you maintain a 0,5 cm seam allowance (right sides facing). • Maintain an accurate seam allowance. • Then sew another length of plain fabric along the other long edge of the patterned fabric. • Press your seam allowances open with a hot iron (do not use any steam). • Repeat this process with the other three strips to form a piece of fabric. • Again, press the seam allowances open. 	
<p>STEP 3: Cut the strips.</p> <ul style="list-style-type: none"> • Take each piece of fabric in turn and fold it so that you can cut strips that contain all three fabric strips. • Place the fold along a horizontal line on your cutting board. • Use the rotary cutter to cut a square end into the fabric. • Measure 12 cm and cut again. (Make 3 strips of fabric that alternate in fabric). 	

STEP 4: Make the panels.

- Lay out your strips of fabric to form two patchwork panels.
- Sew these panels, make sure right sides are facing, seams match up and maintain 0,5 cm seam allowance.



STEP 5: Make the bag.

- Place the two panels with right sides facing.
 - Pin around 3 edges to ensure to form the bag.
 - Match up the seams as you go.
 - Sew around the three sides maintaining the seam allowance (0,5 cm).
 - Snip the corners to reduce the bulk.
 - Turn the bag the right way and put it to one side.
-
- Cut the same size of the batting together with the stitched pieces.
-
- Top stitch the patchwork.

**STEP 6: Make the lining.**

- Fold the lining material into half.
- Sew along either side of the lining maintaining a 1 cm seam allowance to form a bag.
- Snip the corners.



STEP 7: Make the handles.

- Cut two 12 cm wide strips from the left-over fabric.
- Cut four strips made up of 3 squares.
- Sew each type to form a long strip and then sew long strips together (right sides facing).
- Turn the handle right way out.

**STEP 8: Complete the patchwork bag.**

- Place the lining inside the bag.
- Make sure that the seams are facing each other so that they will be invisible once the bag is completed.
- Fold over 1 cm along the top edge, both the lining and the bag.
- Press the hem before placing the lining inside the bag.
- Pin all the way around ensuring that seams match up and that all raw edges are enclosed.
- Position the handle so that it is inserted (2 cm) between the lining and the bag at both side seams.
- Pin them correctly.
- Ensure that everything lies flat and that the handles are secured on both sides.
- Stitch firmly on the handles (to secure them).
- Slip-stitch around the bag.
- Press around the stitched hem and bag handles.



Label the patchwork and present it attractively



If the teacher uses a homemade pattern, an instruction sheet must be included.