



DEPARTMENT OF EDUCATION  
SCHOOLS DIVISION OF NEGROS ORIENTAL  
REGION VII

Kagawasan Ave., Daro, Dumaguete City, Negros Oriental



# **TLE-HE- DRESSMAKING**

## **Quarter 3 – Module 3:**

# **DRAFT BASIC/ BLOCK PATTERN**



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**TLE - GRADE 10**  
**Alternative Delivery Mode**  
**Quarter 3 – Module 3: Draft Basic/Block Pattern**  
**First Edition, 2020**

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# **TLE**

## **Third Quarter – Module 3:**

## **Draft Basic/Block**

## **Pattern**



# Introductory Message

For the facilitator:

Welcome to the Technology and Livelihood Education 10 Dressmaking Alternative Delivery Mode (ADM) Module on Draft Basic/Block Pattern!

This module was collaboratively designed, developed and reviewed by educators both from public and private institutions to assist you, the teacher or facilitator in helping the learners meet the standards set by the K to 12 Curriculum while overcoming their personal, social, and economic constraints in schooling.

This learning resource hopes to engage the learners into guided and independent learning activities at their own pace and time. Furthermore, this also aims to help learners acquire the needed 21st century skills while taking into consideration their needs and circumstances.

In addition to the material in the main text, you will also see this box in the body of the module:



## ***Notes to the Teacher***

This contains helpful tips or strategies that will help you in guiding the learners.












As a facilitator, you are expected to orient the learners on how to use this module. You also need to keep track of the learners' progress while allowing them to manage their own learning. Furthermore, you are expected to encourage and assist the learners as they do the tasks included in the module.

For the learner:

Welcome to the Technology and Livelihood Technology 10 Dressmaking Alternative Delivery Mode (ADM) Module on Draft Basic/Block Pattern!

This module was designed to provide you with fun and meaningful opportunities for guided and independent learning at your own pace and time. You will be enabled to process the contents of the learning resource while being an active learner.

This module has the following parts and corresponding icons:

 <b><i>What I Need to Know</i></b>	This will give you an idea of the skills or competencies you are expected to learn in the module.
 <b><i>What I Know</i></b>	This part includes an activity that aims to check what you already know about the lesson to take. If you get all the answers correct (100%), you may decide to skip this module.
 <b><i>What's In</i></b>	This is a brief drill or review to help you link the current lesson with the previous one.
 <b><i>What's New</i></b>	In this portion, the new lesson will be introduced to you in various ways; a story, a song, a poem, a problem opener, an activity or a situation.
 <b><i>What is It</i></b>	This section provides a brief discussion of the lesson. This aims to help you discover and understand new concepts and skills.
 <b><i>What's More</i></b>	This comprises activities for independent practice to solidify your understanding and skills of the topic. You may check the answers to the exercises using the Answer Key at the end of the module.
 <b><i>What I Have Learned</i></b>	This includes questions or blank sentence/paragraph to be filled in to process what you learned from the lesson.
 <b><i>What I Can Do</i></b>	This section provides an activity which will help you transfer your new knowledge or skill into real life situations or concerns.
 <b><i>Assessment</i></b>	This is a task which aims to evaluate your level of mastery in achieving the learning competency.
 <b><i>Additional Activities</i></b>	In this portion, another activity will be given to you to enrich your knowledge or skill of the lesson learned.
 <b><i>Answer Key</i></b>	This contains answers to all activities in the module.

At the end of this module you will also find:

## **References**

This is a list of all sources used in developing this module.

The following are some reminders in using this module:

1. Use the module with care. Do not put unnecessary mark/s on any part of the module. Use a separate sheet of paper in answering the exercises.
2. Don't forget to answer *What I Know* before moving on to the other activities included in the module.
3. Read the instruction carefully before doing each task.
4. Observe honesty and integrity in doing the tasks and checking your answers.
5. Finish the task at hand before proceeding to the next.
6. Return this module to your teacher/facilitator once you are through with it.

If you encounter any difficulty in answering the tasks in this module, do not hesitate to consult your teacher or facilitator. Always bear in mind that you are not alone.

We hope that through this material, you will experience meaningful learning and gain deep understanding of the relevant competencies. You can do it!



## ***What I Need to Know***

This module was designed and written with you in mind. It is here to help you master the nature of Drafting Basic/Block Pattern. The scope of this module permits it to be used in many different learning situations. The language used recognizes the diverse vocabulary level of students. The lessons are arranged to follow the standard sequence of the course. But the order in which you read them can be changed to correspond with the textbook you are now using.

The Module has One Lesson, namely;

### **Lesson 1 Draft Basic/Block Pattern for Ladies Trousers**

After going through this module, you are expected to:

1. Identify the tools used in drafting the ladies' Trousers;
2. Draft ladies' trousers pattern with Continental type of side pocket;  
and
3. Follow the criteria for a well-drafted pattern for ladies' Trousers.



## ***What I Know***

### **IDENTIFICATION**

**Direction: Identify the following statement and write the letter of your answer on your notebook.**

1. What is the use of measurements in pattern drafting?  
a. Correct fitting   b. Labelling   c. Packing   d. Pressing
2. Which of the following is a pattern making tool?  
a. French curve   b. Steam iron   c. Cutter   d. Seam ripper
3. Which body measurement is needed in drafting pattern for the ladies' trousers?  
a. Shirt length   c. Wrist round  
b. Waist length   d. Inside leg seam
4. What is an out seam?  
a. Side seam joining front and back of parts   c. Seam allowance for parts  
b. Seam between front and back of parts   d. Leg line of the part
5. This is the dressmaker's guide in cutting the cloth.  
a. pattern   b. pins   c. shears   d. tailor's chalk
6. Which of the following body measurements is not included in drafting ladies' trousers?  
a. crotch   b. waist measure   c. knee length   d. skirt length
7. The band encircling the waist, as at the top of the skirt or trousers  
a. waistline   b. waistband   c. placket   d. fly
8. The material used for tracing, retracing, altering and marking patterns.  
a. pattern paper   b. paper   c. marking tool   d. cloth
9. The part of project plan that guides you in assembling the project.  
a. Sketch of the design   b. Objectives   c. Tools   d. Procedure
10. All **except** one, are needed in drafting the basic pattern for the trousers.  
a. body measurement   b. cutting tool   c. marking tool   d. sewing tool



## Lesson

# 3

## Draft Basic/Block Pattern

The lesson deals with the basic procedure on how to draft basic/block pattern for ladies trousers.

Good luck and use this learning material as your guide to become a successful dress provider in the future



### ***Notes to the Teacher***

This contains helpful tips or strategies that will help you in guiding the learners. The following are information that would lead to the activities and assessment. Some activities may need your own discretion upon checking, or you may use rubric if provided. Please review the activities and answer keys and amend if necessary.



### ***What's In***

**Direction:** Answer the questions below on your notebook.

1. Why is it important to know to draft the basic/block pattern of ladies' trousers?
2. What are the things to be considered in drafting the ladies' trousers?



## What's New

**Let us find out how much you already know about the lesson by answering this item.**

**Direction:** Guess the word based on the given definition in each number. Write the missing letters of the word inside the letter blocks below the definition.

1. The most important drafting tool used in making perpendicular line.

T	A				R	----	S	Q				E
---	---	--	--	--	---	------	---	---	--	--	--	---

2. The most indispensable tool used in taking body measurement

T			E	----	M			S			E
---	--	--	---	------	---	--	--	---	--	--	---

3. The measurement used in drafting line A to B of the trouser's pattern.

C				C	H
---	--	--	--	---	---

4. Usually circumferential measurements like, waist, 1<sup>st</sup> hips and 2<sup>nd</sup> hips is divided by

--

5. It is the template from which the parts of a garment are traced onto fabric before being cut out and assembled.

P		T	T			
---	--	---	---	--	--	--



## What is It

### DRAFTING THE PATTERN FOR LADIES TROUSERS

[http://www.leenas.com/English/draw\\_women\\_pants.html](http://www.leenas.com/English/draw_women_pants.html)

### ADDING EASE

You would not be able to wear the pants if the patterns were drawn exactly to your body measurements. Therefore, you have to add ease to some of the measurements. The basic pants usually are a tight-fitting garment and therefore only a small amount of ease is added.

**ADD TO THE WAIST CIRCUMFERENCE: 2 cm**

**ADD TO THE HIP CIRCUMFERENCE: 4 cm**

**Do not add any ease to other measurements.**

In drafting the basic or block trousers you need the body measurements obtained from the previous lesson and write down the measurements in the table below:

**BODY MEASUREMENT FOR LADIES TROUSERS**

<b>BODY PARTS TO BE MEASURED</b>	<b>ACTUAL MEASUREMENT (cm)</b>	<b>DIVISOR</b>	<b>BODY MEASUREMENT + EASE</b>	<b>COMPUTED MEASUREMENT (cm)</b>
1. WAIST (W)		$\frac{1}{4}$	+2 cm=	
2. ADOMEN CIRCUMFERENCE/1 <sup>ST</sup> HIPS/seat (1H)		$\frac{1}{4}$		
3. SEAT/2ND HIPS CIRCUMFERENCE (2H)		$\frac{1}{4}$	+4 cm=	
4 CROTCH DEPTH/ HEIGHT (HH)		As is		
5. ABDOMEN/HIPS HEIGHT (HH)		As is		
6. HIP HEIGHT		As is		
7.OUTSIDE SEAM LENGTH (OL)		As is		
8.THIGH/LEG CIRCUMFERENCE (L)		$\frac{1}{2}$		
9. KNEE CIRCUMFERENCE (K)		$\frac{1}{2}$		
10. CUFF/KNEE CIRCUMFERENCE (KL)		As is		

**DO THE FOLLOWING CALCULATIONS:**

Round the measurements up to the nearest 0.5 cm.

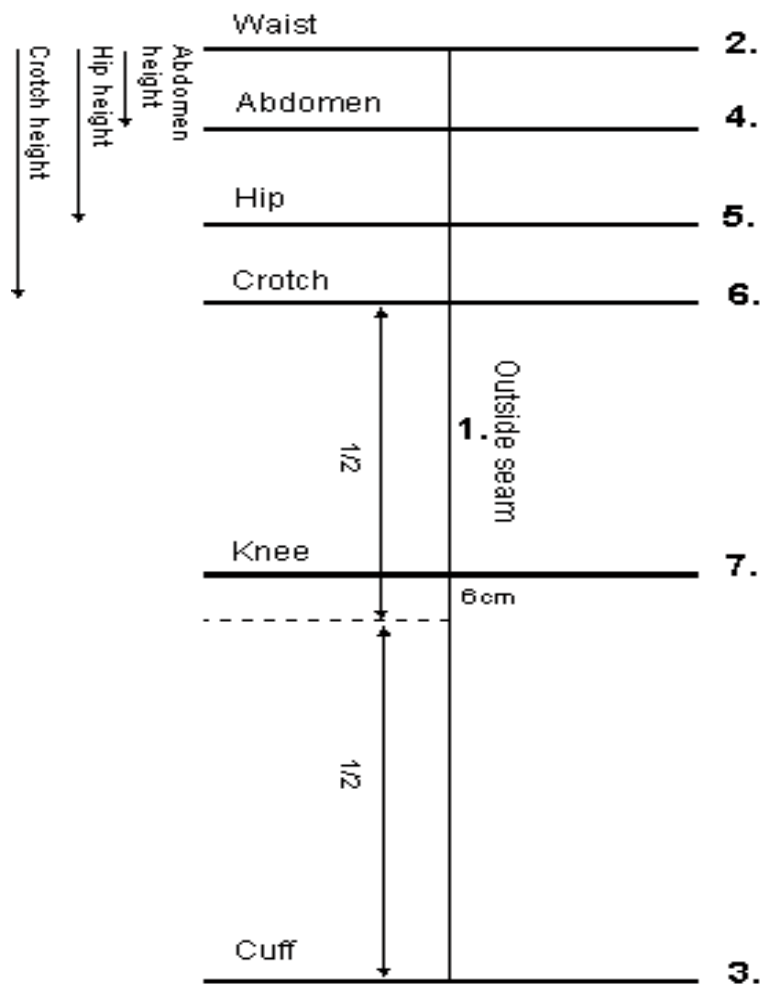
<b>BODY MEASUREMENTS</b>	<b>Body Measurement + ease</b>	<b>Divided by 8</b>	<b>Divided by 4</b>	<b>Divided by 20=x</b>
Waist circumference	*	*		
Hip circumference	*	*	*	*
Knee Circumference	*		*	
Cuff circumference	*		*	

## DRAFTING THE PATTERN

### FUNDAMENTAL LINES NEEDED IN DRAFTING THE PANTS PATTERN

1. Start by drawing a vertical line that corresponds to the outside seam length of the pants.
2. Draw a horizontal line at the top of the vertical line. This is the waist line of the pants.
3. Draw a horizontal line at the bottom of the vertical line. This is the cuff line of the pants.
4. Measure down from the waist line a distance equal to the abdomen height and draw a horizontal line. This is the abdomen line.
5. Measure down from the waist line a distance equal to the hip height and draw a horizontal line. This is the hip line.
6. Measure down from the waist line a distance equal to the crotch height and draw a horizontal line. This is the crotch line.
7. Find the point midway between the crotch line and the cuff line. Draw the horizontal knee line 6 cm above this point.

### FUNDAMENTAL LINES NEEDED IN DRAFTING THE PANTS PATTERN



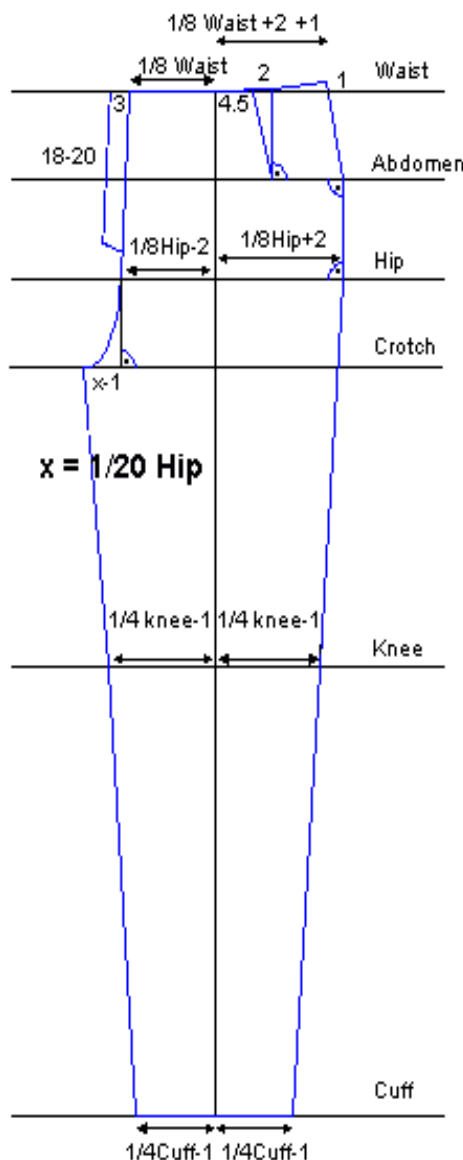
**Front pattern**

## WAIST AND DART

Divide the waist circumference (+ ease) by 8. On the waist line, measure this distance to the left from the pants' center line. Mark this point as the center front point of the waist.

Divide the waist circumference (+ease) by 8 and add 3 cm. On the waist line, measure this distance to the right from the pants' center line. Mark this point as the side front point of the waist. Of the extra 3 cm, +2 cm is for the dart and +1 cm is to move the side seams 1 cm towards the back to prevent them from showing. The side point is raised by 1 cm.

On the waist line, measure 4.5 cm to the right from the pants' center line and start the front dart from there. Make the dart 2 cm wide. The dart extends from the waist line to the abdomen line. Draw the right side of the dart so that it forms a right angle where it meets the abdomen line.



### HIP

Divide the hip circumference (+ ease) by 8 and subtract 2 cm. On the hip line, measure this distance to the left from the pants' center line. Mark this point as the center front point of the hip.

Divide the hip circumference (+ ease) by 8 and add 2 cm. On the hip line, measure this distance to the right from the pants' center line. Mark this point as the side front point of the hip.

### CROTCH

Draw a vertical line from the center hip point downwards to the crotch line and mark this point. From the marked point, measure  $x - 1$  cm to the left and mark. Mark this point as the tip of the front crotch curve.  $x$  is calculated by dividing the hip circumference (+ ease) by 20.

Divide the desired knee circumference by 4 and subtract 1 cm. On the knee line, measure this distance to the left and to the right from the pants' center line. Mark these points as the knee points of the front pant.

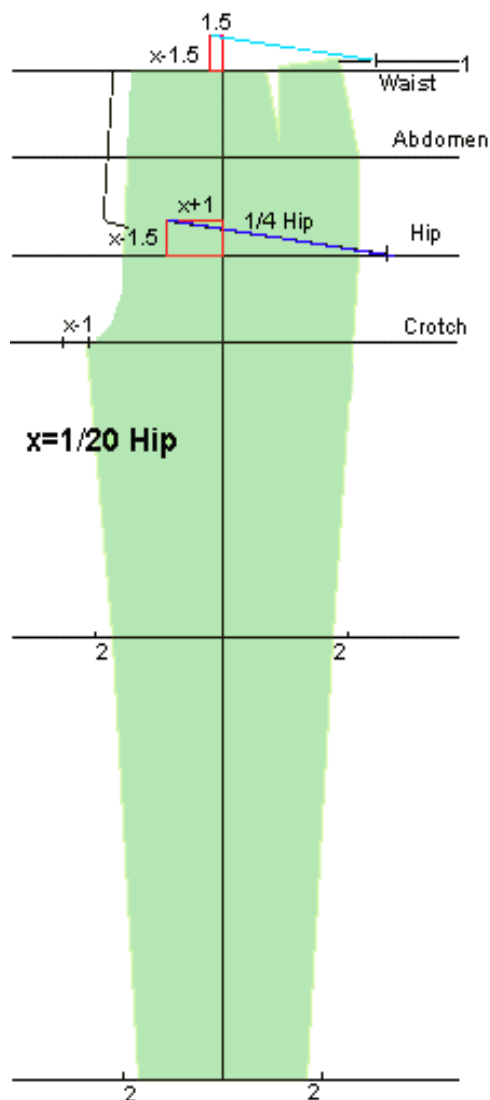
Divide the desired cuff circumference by 4 and subtract 1 cm. On the cuff line, measure this distance to the left and to the right from the pants' center line. Mark these points as the cuff points of the front pant.

Now you are ready to draft the front piece pattern. Follow the points that you have marked according to the above instructions. If the difference of the waist and the abdomen/hip circumference is a lot, there may be a disturbing angle at the side seam at the abdomen line. In such a case round the line a bit outwards between the waist and the abdomen line (not marked in the picture). Curve the inseam a bit inwards between the crotch and the knee (not marked in the picture).

Draft the facing for the zipper, 3 cm wide and 18-20 cm high (according to the length of the zipper you are going to use), at the top of the front pants center line.

## BACK PIECE

### DRAFT THE BACK PIECE PATTERN IN THE SAME FRAME WITH THE FRONT PIECE.



Waist points of the center back and the side back seam

Draw a small rectangle, 1.5 cm wide and  $x-1.5$  cm high, to the left starting at the top of the pants' center line (drawn in red in the picture). Mark the top left corner of this rectangle as the waist point of the back center seam.

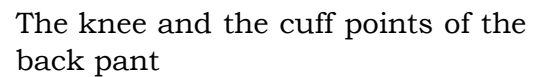
Divide the waist circumference by 4, add 2.5 cm and subtract 1 cm. Trace this distance from the previous point towards the waist line at side raised by 1 cm (as in the front) (drawn in cyan in the picture below). Of the distance  $+2.5$  cm is for the dart and  $-1$  cm is to move the side seams backwards (the corresponding amount was added to the front waist). Mark the intersection of this line and the waist line (raised by 1 cm, as for the front) as the waist point of the back side seam.

Hip points of the center back and side back seams

Draw another rectangle,  $x+1$  cm wide and  $x-1.5$  cm high, to the left from the intersection of the hip line and the pants' center line. Mark the top

Divide the hip circumference by 4. Trace this distance from the previous point towards the hip line at side (drawn in blue in the picture below). Mark the intersection of this line and the hip line as the hip point of the back side seam.

Measure a distance of  $x-1$  cm to the left from the tip of the front crotch curve and 1-1.5 cm downwards from it. Mark this point as the tip of the back crotch curve.  $X$  is calculated by dividing the hip circumference (+ ease) by 20.



Mark these points 2 cm to the left and to the right from the corresponding points of the front pant.

Now you are ready to draft the back piece pattern. Follow the points that you have marked according to the above instructions. Draft a smooth line from the waist point to the hip point. The abdomen line of the back pant starts from the intersection of the back side line and the frame abdomen line and is parallel to the hip line of the back pant.

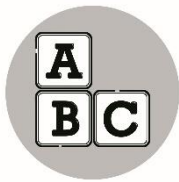
Draw the back center seam smoothly according to the picture. Back dart is 2,5 cm wide. Place it at the midpoint of the back waistline. Vertically the back dart extends to the midpoint between the abdomen and the hip height.

**Note :** Please notice that the back piece inseam length measured from the crotch to the knee is to be 1-1.5 cm shorter than that of the front inseam. The reason for this is that it reduces the amount of fabric under the buttocks in order to achieve a better fit of the back pant. You must stretch the back inseam from the

*crotch to the knee when attaching it to the front inseam.*

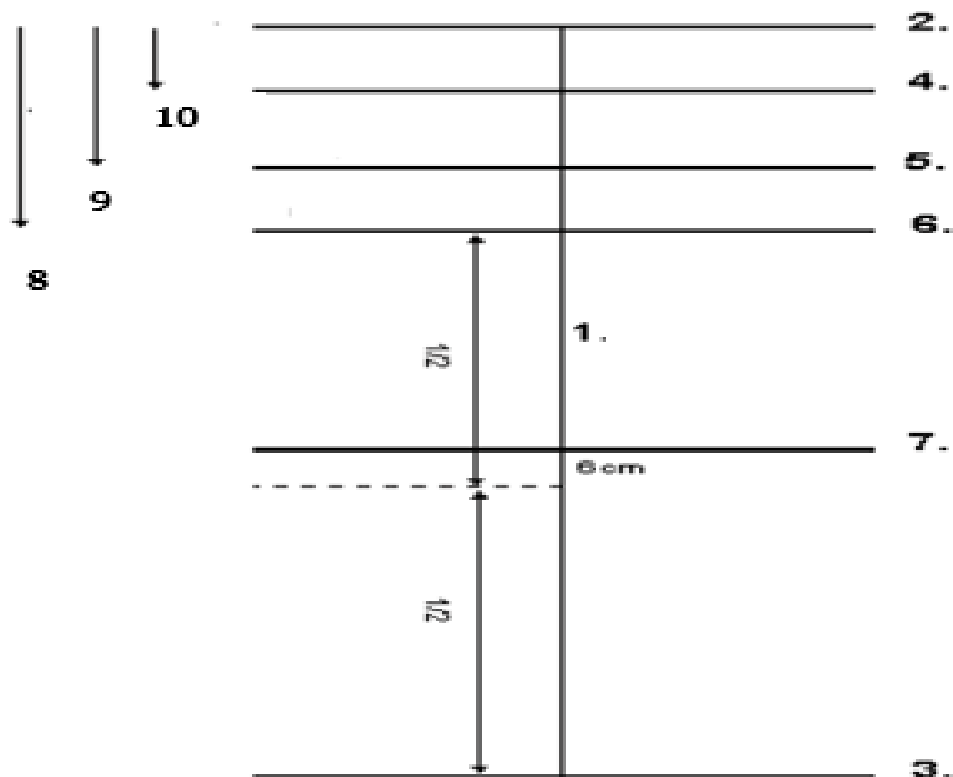
Sewing instructions are also included in this web-site. To view them ➤ [click here](#) .

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## ***What's More***

**IDENTIFICATION:** Identify the body measurement laid on the construction lines.







## ***What I Have Learned***

**Direction:** Write a reflection of your learning journey about this module using the guide phrases below.

I have learned that _____.
I have realized that _____.
I will apply _____.



## ***What I Can Do***

### **INDIVIDUAL PERFORMANCE**

**Direction:** Draft your own Front and Back trousers pattern following the basic pattern technique you learn and this time use your own body measurements. Ask someone from your household to take your measurements. Remember to be accurate in taking the measurement. Use pattern paper, manila paper or used calendar for this activity.

#### **Resources Needed:**

L square  
Hip Ruler  
Tape measure

#### **Supplies**

Pattern paper/used  
Calendar/manila paper  
Bond paper  
Pencil/eraser

You will be graded using the following criteria:

Accuracy	-	30 pts.
Neatness	-	10 pts.
Output	-	<u>30 pts.</u>

**70 pts.**



## Assessment

### TRUE OR FALSE.

**Directions:** Read and answer the following statements. Write “True” if the statement states a fact and “False” if it doesn’t. Write your answer in your quiz notebook.

- \_\_\_\_\_ 1. Waist is taken around the smallest part of the waistline
- \_\_\_\_\_ 2. Length of the pants is taken from the waistline to the ankle.
- \_\_\_\_\_ 3. Crotch with the individual seated, measured around the waistline down the seat.
- \_\_\_\_\_ 4 Divide the desired knee circumference by 4 and subtract 1 cm.
- \_\_\_\_\_ 5. Draw a horizontal line at the bottom of the vertical line. This is the hip line of the pants.
- \_\_\_\_\_ 6. Draft the back piece pattern in the same frame with the front piece.
- \_\_\_\_\_ 7. Draw dart to 4 cm wide and 13 cm long.
- \_\_\_\_\_ 8. Back trousers pattern is bigger than the front pattern.
- \_\_\_\_\_ 9. Divide the hip circumference (+ ease) by 8 and add 2 cm.
- \_\_\_\_\_ 10. Divide the hip circumference (+ ease) by 8 and subtract 2 cm.



## ***Answer Key***

### **PRE-ASSESSMENT**

#### **What I know**

#### **IDENTIFICATION**

1. a
2. a
3. d
4. a
5. a
6. d
7. b
8. a
9. d
10. d

#### **What's In**

(Answers may Vary)

#### **What's New**

1. Tailor square
2. Tape Measure
3. Crotch
4. 4
5. Pattern

### **What I Can Do**

#### **Drafting Ladies trousers**

(Rubrics is provided for this performance)

#### **ASSESSMENT**

#### **TRUE OR FALSE.**

1. True
2. True
3. False
4. True
5. False
6. True
7. True
8. True
9. True
10. True

### **What's More**

1. Outside seam/pants length
2. Waist
3. Bottom/cuff/ankle
4. Abdomen height/depth/ 1<sup>st</sup> hips
5. 2<sup>nd</sup> hips/seat
6. Rise /crotch
7. Knee
8. Abdomen height/depth/ 1<sup>st</sup> hips
9. 2<sup>nd</sup> hips/seat
10. Crotch/rise

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Ref: Effective THE series IV, Cruz et al pp. 246-247

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**Leena's Pattern Drafting Lessons:**

[http://www.leenas.com/English/draw\\_women\\_pants.html](http://www.leenas.com/English/draw_women_pants.html)

<https://www.pinterest.ph/pin/418060777880708329/>

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