



Republic of the Philippines
Department of Education
National Capital Region
Schools Division Office – Muntinlupa City

SPECIAL PROGRAM IN TECHNICAL VOCATIONAL EDUCATION (SPTVE)
DRESSMAKING 8
Q3-WEEK-1

- I. Topic: **Two System of Measurements**
- II. Objectives:
1. identify the two systems of measurements.
 2. differentiate the English and metric system of measurements.
 3. value the importance of obtaining measurements based on job instructions using the measuring devices.

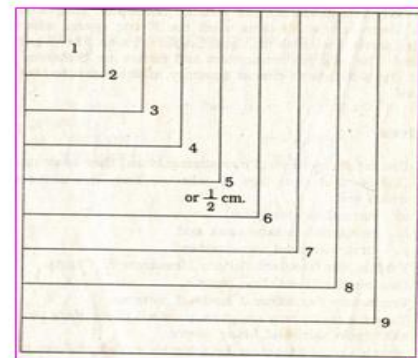
III. Brief Introduction of the Lesson

Two Systems of Measurement

Metric System – A decimal system of physical units based on a unit of length known as the meter (Greek *metron*, “measure”).

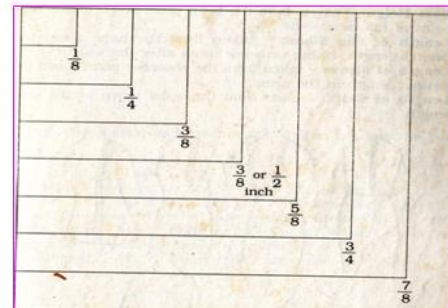
Nowadays, the unit of measurement more commonly used is centimeter. Designers utilize centimeters in drafting patterns. A centimeter has 10 equal parts and these are as follows:

- The first line is 1 millimeter
The second line is 2 millimeters
The third line is 3 millimeters
The fourth line is 4 millimeters
The fifth line is 5 millimeters or one half centimeter
The sixth line is 6 millimeters
The seventh line is 7 millimeters
The eighth line is 8 millimeters
The ninth line is 9 millimeters
The tenth line is 10 millimeters or one centimeter



English System – the English system has inches for its basic unit. However, it is infrequent in its utilization in dressmaking. It is still employed by some designers. An inch has eight equal parts and these are categorized as:

- The first line is $\frac{1}{8}$
The second line is $\frac{1}{4}$
The third line is $\frac{3}{8}$
The fourth line is $\frac{4}{8}$ or $\frac{1}{2}$ of an inch
The fifth line is $\frac{5}{8}$
The sixth line is $\frac{3}{4}$
The seventh line is $\frac{7}{8}$
The eighth line is 1 inch





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HOW TO READ TAPE MEASURE IN INCHES	HOW TO READ TAPE MEASURE IN CENTIMETERS
 $\frac{1}{8}"$	 0.1 cm.
 $\frac{3}{8}"$	 1 cm.
 $\frac{5}{8}"$	 0.2 cm.
 $\frac{7}{8}"$	 0.3 cm
 $1"$	 0.4 cm.
 $\frac{1}{4}"$	 $0.5\text{ cm or } \frac{1}{2}\text{ cm.}$
 $\frac{1}{2}"$	 0.6 cm.
 $\frac{3}{4}"$	 0.7 cm

IV. Activities:

Directions: Answer all the activities on a separate sheet of paper.

Activity 1

READING TAPE MEASURE IN CENTIMETERS

Directions. Determine the length of the bar above the tape measure. Write your answer in centimeters.


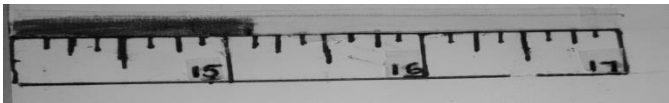
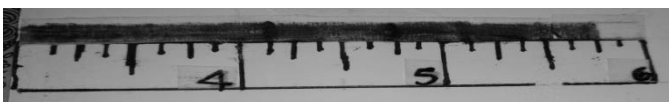
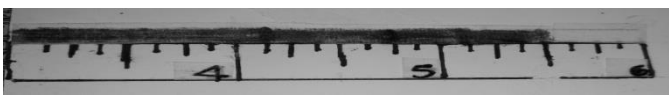
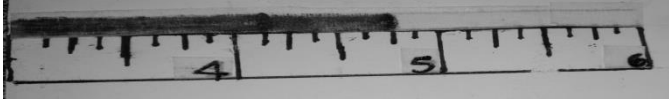
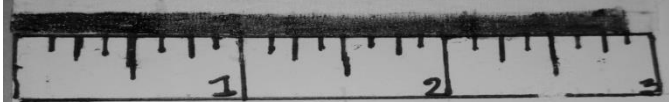

Ex.		Ex. 0.5 cm.
1.		1.
2.		2.
3.		3.
4.		4.
5.		5.



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Activity 2
READING TAPE MEASURE IN INCHES

Directions. Determine the length of the bar above the tape measure. Write your answer in inches.

EX.		EX. 2 1/8 inches
1.		1.
2.		2.
3.		3.
4.		4.
5.		5.
6.		6.

Activity 3

Directions: Fill in the blanks. Choose your answer from the list below. Write the answer only.

7/8	5/8	1/8	3/8	3/4
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1. The first line of an inch is _____.
2. The seventh line of an inch is _____.
3. The fifth line of an inch is _____.
4. The sixth line of an inch is _____.
5. The third line of an inch is _____.





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V. Assessment:

Directions: Write the letter of the correct answer on a separate sheet of paper.

1. The exactness of a measured distance or circumference.
A. appropriateness C. correctness
B. accuracy D. exactness
2. The system where the unit of measurement is centimetre is _____.
A. Metric System C. SI Measurement
B. English System D. Decimal System
3. Simple calculations cannot be applied in _____.
A. getting the personal data of the clients/customers
B. getting the body measurements of the clients/customers
C. computing the cost of the apparel being made
D. getting the length and width of the fabric needed
4. An electronic device used for speed computations.
A. computer B. calculator C. cellphone D. none of the above
5. The four fundamentals of operation are applied on the following EXCEPT _____.
A. converting body measurements
B. estimating cost of fabric
C. packing finished product
D. drafting pattern

VI. Reflection:

Directions: Answer the following questions briefly on a separate sheet of paper in paragraph form.

- What are the two systems of measurements?
- What is the difference between the metric and English system?

References:

- Hilario, Carmelita B. (2008). Clothing and Technology Made Easy. Revised Edition. Quad Alpha Centrum Bldg. Mandaluyong City: National Book Store.
- Competency-Based Learning Material in Second Year Garments NC II
Department of Education

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