



P7 Transition Work

An Introduction to: Measuring in Millimeters from the Technical Department

Name _____

Class _____

Teacher _____

Key Learning

By the end of this mini unit of work I will have an increased awareness of:

- Measuring accurately using millimeters.

Learning Intentions:

By the end of this unit of work I will be able to:

- Measure accurately using millimetres, within a **tolerance** of +/- 1mm.

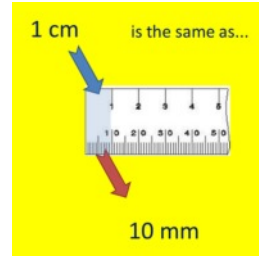
Success Criteria:

- I am aware of the link between cm and mm
- I can link mathematical concepts through equivalences
- I can transfer and apply knowledge and skills within numeracy to other subjects
- I can measure 2D shapes to the nearest millimeter.

(1) Measurement Values

Task 1:

$$1\text{cm} = 10\text{mm}$$
$$10\text{cm} = 100\text{mm}$$
$$100\text{cm} = 1000\text{mm}$$



Using the notes above, can you complete the following **equivalences**?

1. $3\text{cm} =$

2. $6\text{cm} =$

3. $18\text{cm} =$

4. $178\text{cm} =$

5. $2345\text{cm} =$

6. $100\text{cm} =$

WHAT WAS THE ACTION YOU DID IN EACH QUESTION ABOVE?



.....

Task 2:

Now, can you work in reverse?

1. $100\text{mm} =$

2. $500\text{mm} =$

3. $40\text{mm} =$

4. $456\text{mm} =$

5. $852\text{mm} =$

6. $9514\text{mm} =$

NOW, WHAT WAS THE ACTION YOU DID IN EACH QUESTION ABOVE?



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Task 3:

Now lets have a go at measuring the **length** of each bar below using the Steel Rule. Only write your answer using mm.

a. Bar A is.....



b. Bar B is.....



c. Bar C is.....



d. Bar D is.....



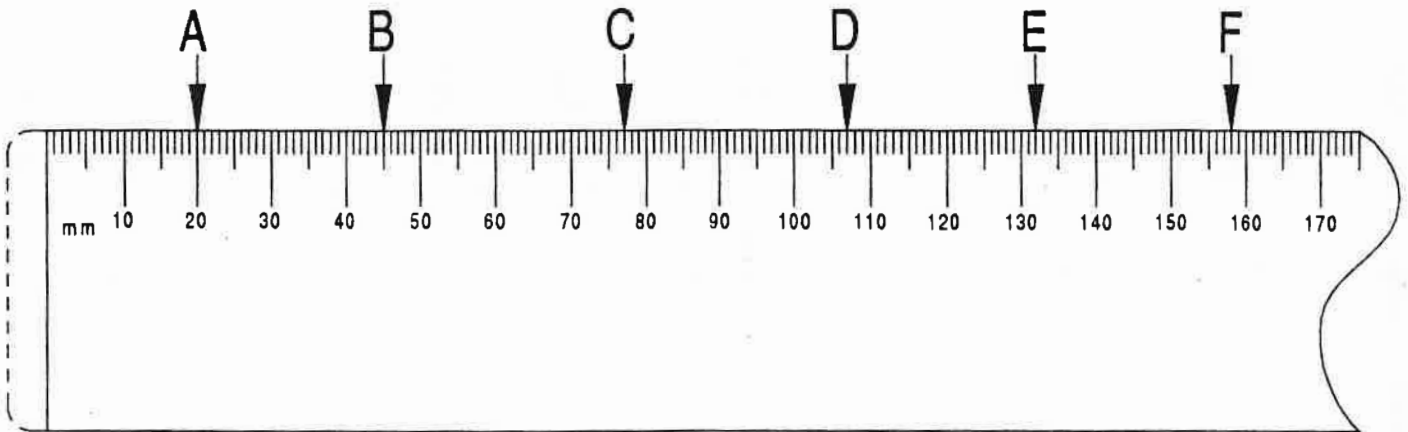
In the Technical Department, we will regularly use measurement to mark out pieces of material in the craft room and on architectural drawing boards. It is therefore a very important life skill for you to bring into our subjects.

(1) Reading from a Ruler in mm

Task 1:

Look carefully at the ruler shown below.

Read the sizes marked from A-F on the ruler and write down the exact measurement (in millimeters) of each arrow head, in the correct space provided.



A B C

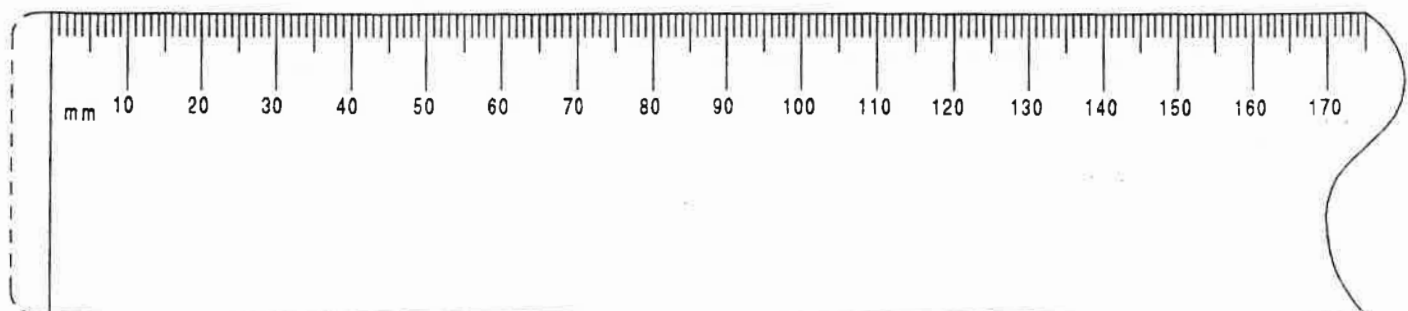
D E F

Task 2:

Now complete this task in the opposite order. Read the sizes given from A-F. Mark these sizes onto the ruler using the exact measurement provided with lettered arrow heads (as shown above).

A 60 mm B 45 mm C 25 mm

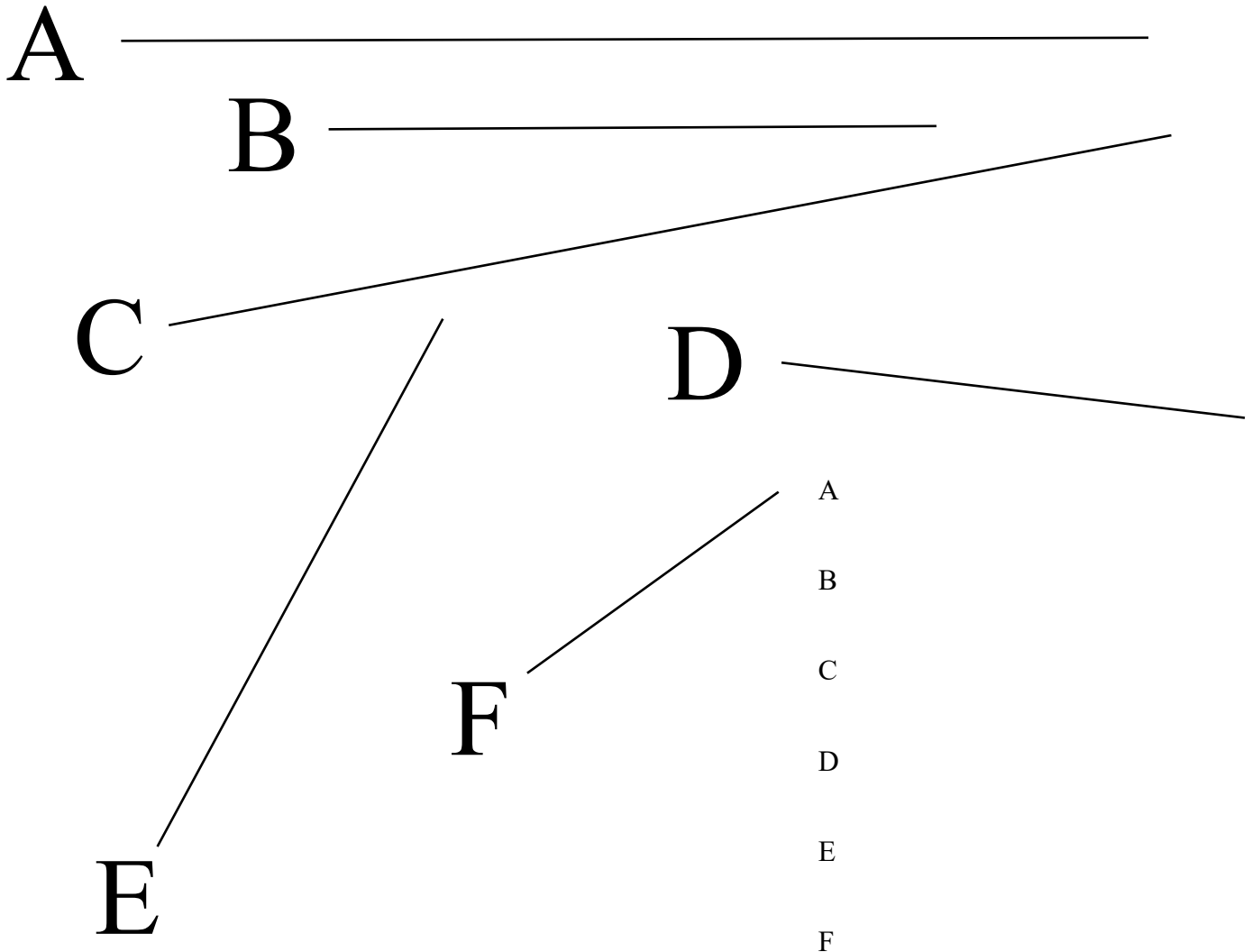
D 12 mm E 117 mm F 148 mm



(3) Using a Ruler

Task 1:

Using a Steel Rule, carefully measure the length of each line provided, marked from A-F. Write down the exact measurement (in millimeters) in the correct space provided.



Reflection:

Please refer to the Learning Intentions & Success Criteria on the front page as you reflect and evaluate your own learning, to make your comments below.

TWO STARS...

•

•

AND 1 WISH...

•

Parent/Carer Comment... Please have an open discussion with your child about their learning within this unit and make a relevant comment below regarding progress.