

MANUFACTURING

All of the man-made products that you buy in a store need to be made (manufactured) somewhere

This means that the people assembling the products needs to have instructions on what to do

MANUFACTURING PROCESS SHEET

The manufacturing process sheet is the set of instructions that lists of all the steps that need to be followed to create a technical object

•This has to be very detailed to ensure that all of the products created are identical and of the same quality

MANUFACTURING PROCESS SHEET

The manufacturing process sheet includes:

- the materials needed to make the object
- the tools/equipment that will be required
- the instructions for what to do
- the time required for each step

Manufacturing process sheet for a clock (continued)

MANUFACTURING PROCESS SHEET Name of the part

Part: Clock face

Material: White cardboard. 70 mm \times 70 mm, 1 mm thick

The header contains general information about the part being made.

Materials needed

STATE OF THE PARTY	NO.	PROCESS	SKETCH	EQUIPMENT AND MATERIALS	TIME NEEDED	
	10	Measuring and marking		Ruler	15 min	
	11	Trace a circle with a diameter of 64 mm (Ø) on the cardboard.	32	CompassProtractorPencil		
	12	Make a small dot on the edge of the circle and write the number 12 below it. Divide the circle into 12 equal sections (30 degrees each), then place 11 other dots. These will indicate the hours.	30'	Each section describes a general step in bold (for example, 10) that has been broken down		
	13	Divide each section into 5 smaller sections (6 degrees each), then draw 4 lines. These will indicate the minutes.	12	specific s	into a series of more specific steps (for example 11, 12 and 13).	

Manufacturing process sheet for a clock (continued)

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General
step

Specific_ steps

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Ruler 15 min
 Compass

EQUIPMENT AND

MATERIALS

Protractor

Pencil

Each section describes a general step in bold (for example, **10**) that has been broken down into a series of more specific steps (for example 11, 12 and 13).

WORKBOOK

p.211-213

