

**AN ROINN OIDEACHAIS**  
(Department of Education.)

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**LEAVING CERTIFICATE EXAMINATION, 1943.**

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**MECHANICAL DRAWING AND DESIGN.**

**COURSE B—PASS—BOYS AND GIRLS.**

*THURSDAY, 17th JUNE.*—MORNING, 11.15 TO 1.15 P.M.

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**BOYS ONLY.**

**NOTE.**—The use of mathematical instruments, protractors, scales, T- and set-squares, and drawing-boards is allowed.

The number of the question must be distinctly marked by the side of each answer. Both sides of the paper may be used.

Questions marked (\*) have accompanying diagrams.

**ONLY THREE** questions to be attempted. The questions may be taken from Section A or Section B.

All questions carry equal marks.

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**SECTION A.**

(The questions in this Section must be solved accurately with the aid of drawing instruments. All lines used in constructions should be clearly shown.)

\*Q. 1. Draw the diagram to the dimensions given and within it draw in suitable proportions the word "RÉAMRÁDÓ" in Gaelic letters, or the word "PREFACE" in Roman letters.

\*Q. 2. An Outline dimensioned diagram of a Chair-back is given. Draw the diagram full-size to the dimensions indicated.

\*Q. 3. The diagram represents an ornamental iron railing. Draw the diagram to the scale of 1 inch to 1 foot. An ordinary divided rule may be used as a scale.

\*Q. 4. The plan is given of two Cubes, the smaller resting on the larger. Draw an elevation on XY and a section on EF. The part in section should be lightly shaded.

## SECTION B.

Q. 5. Draw a design for a circular Table-mat, to occupy a circle 6 inches diameter.

The design may be composed of Celtic, Floral, or Geometric ornament.

Two colours may be used, or the design may be completed in Black and White.

Q. 6. Make a design for a Calendar  $4\frac{1}{2}$  inches by 6 inches (vertical).

Any style of ornament may be used, and a blank space may be left for the days and months of the year.

(Colour MAY be used in answering this question.)

Q. 7. Draw a design to occupy an equilateral triangle of 5 inches side.

Your design may be composed of Floral or Geometric ornament.

(Colour MAY be used in answering this question.)

Q. 8. Draw a design for a Strip-poster to advertise "Honey"

The design is to be rectangular in shape 3 inches by 7 inches (horizontal).

Not more than four colours may be used.

(Colour MAY be used in answering this question.)

## GIRLS ONLY.

NOTE.—The use of mathematical instruments, protractors, scales, T- and set-squares, and drawing-boards is allowed.

The number of the question must be distinctly marked by the side of each answer. Both sides of the paper may be used.

Questions marked (\*) have accompanying diagrams.

ONLY THREE questions to be attempted. The questions may be taken from SECTION A or SECTION B.

All questions carry equal marks.

## SECTION A.

(The questions in this Section must be solved accurately with the aid of drawing instruments. All lines used in constructions should be clearly shown.)



\*Q. 1. Draw the diagram to the dimension given, and within it draw in suitable proportions the word "RÉAMRÁD" in Gaelic letters, or the words "PREFACE" in Roman letters.

\*Q. 2. The diagram represents an ornamental brooch. Draw the diagram full-size to the dimensions indicated.

\*Q. 3. An outline dimensioned diagram of a Firescreen is given. Draw the diagram full-size to the dimensions shown.

\*Q. 4. The diagram shows portion of Lace-edging. Show by using instruments how you would set out the geometrical framework of the given pattern.

It will be sufficient to complete *half* the diagram.

#### SECTION B.

Q. 5. Draw a design for a circular Table-mat, to occupy a circle 6 inches diameter.

The design may be composed of Celtic, Floral, or Geometric ornament.

Two colours may be used, or the design may be completed in Black and White.

Q. 6. Make a design for a Calendar  $4\frac{1}{2}$  inches by 6 inches, (vertical).

Any style of ornament may be used, and a blank space may be left for the days and months of the year.

(Colour MAY be used in answering this question.)

Q. 7. Draw a design to occupy an equilateral triangle of 5 inches side.

Your design may be composed of Floral or Geometric ornament

(Colour MAY be used in answering this question.)

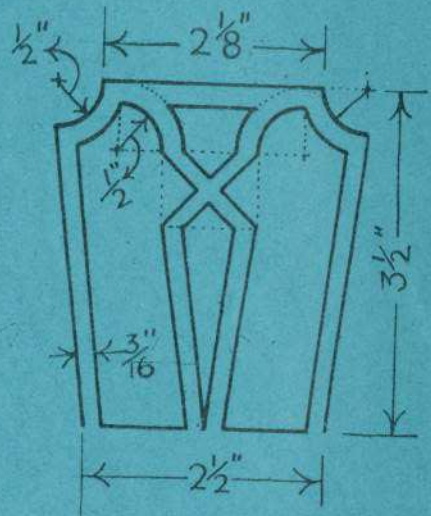
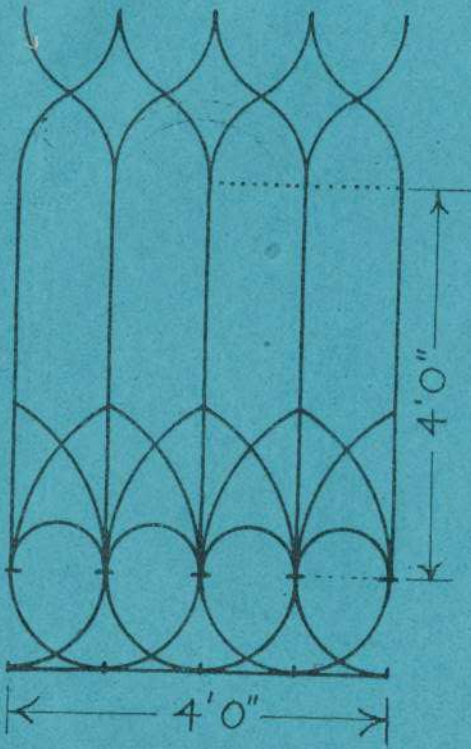
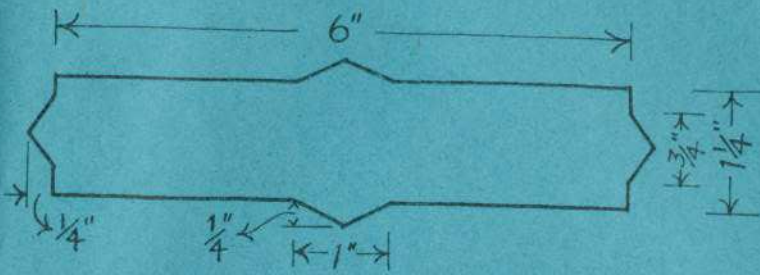
Q. 8. Draw a design for a Strip-poster to advertise "Honey."

The design is to be rectangular in shape 3 inches by 7 inches (horizontal).

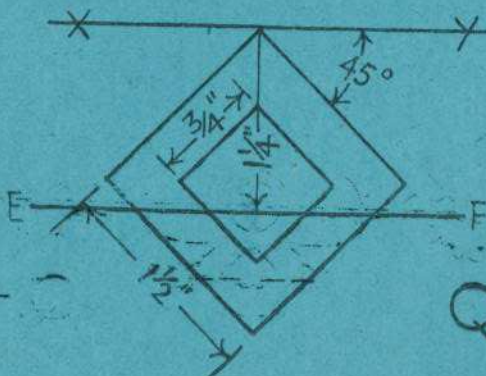
Not more than four colours may be used.

(Colour) MAY be used in answering this question.)

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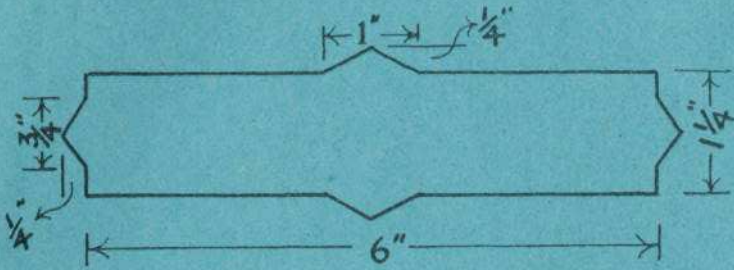


Q.3.

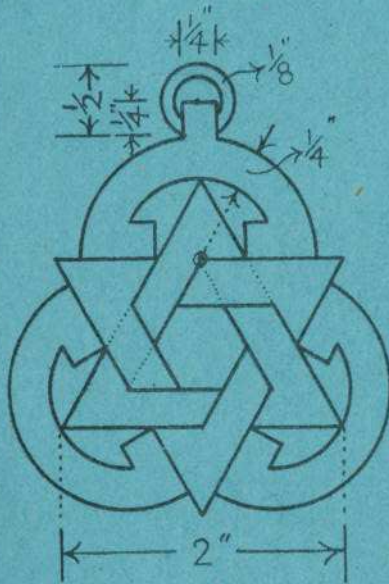




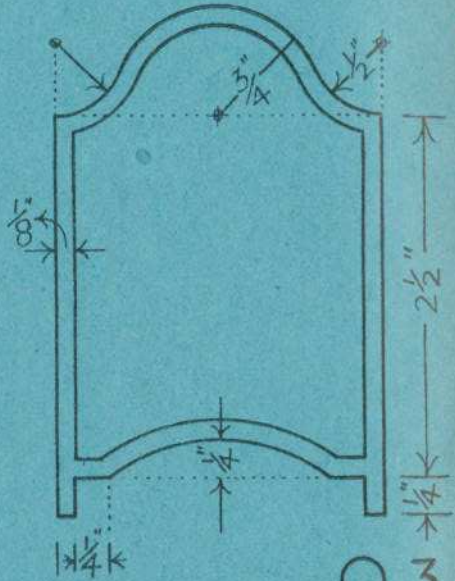
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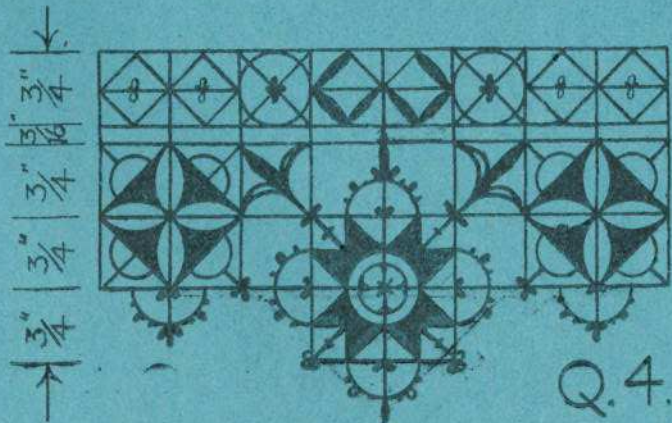
Q.1.



Q.2.



Q.3.



Q.4.