

AN ROINN OIDEACHAIS
(Department of Education.)

LEAVING CERTIFICATE EXAMINATION, 1942.

MECHANICAL DRAWING AND DESIGN.

COURSE B—PASS—BOYS AND GIRLS.

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

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.

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 words "URRA-MARC" in Gaelic letters, or the words "TRADE MARK", in Roman letters.

*Q. 2. An outline dimensioned diagram of a Winged-nut is given. Draw the diagram full-size to the dimensions indicated.

*Q. 3. The diagram shows the plan and elevation of a street lamp. Draw a new elevation on X' Y'.
Scale: 1 inch to 1 foot.

Q. 4. A decorative cross is constructed by drawing four equilateral triangles with their bases on the sides of a 5" side square and their apexes meeting in the centre. A circle 2" diameter with the centre point of the square as its centre completes the cross which you are required to draw.

SECTION B.

Q. 5. Draw a design for the lid of an octagonal biscuit-tin, to occupy a regular octagon of 2 inches side.

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 border suitable for the title-page of a book, based on Celtic or Floral ornament.

The size of the page is to be 6 inches by 5 inches, and the border is to be in proportion to that size. Within the blank space you may insert a title.

You may complete half the design in colour.

(Colour MAY be used in answering this question.)

Q. 7. Draw a design for a Poster or Showcard to advertise "Toys". The design is to be rectangular in shape, 6 inches by 4 inches (vertical).

Not more than four colours may be used.

(Colour MAY be used in answering this question.)

Q. 8. Draw a design to fill a regular hexagon of $2\frac{1}{2}$ " side. Your design may be composed of Floral or Geometric ornament.

(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 words "URRA-MARC" in Gaelic letters, or the words "TRADE MARK", in Roman letters.

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

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

Q. 4. A decorative cross is constructed by drawing four equilateral triangles with their bases on the sides of a 5" side square and their apexes meeting in the centre. A circle 2" diameter with the centre point of the square as its centre completes the cross which you are required to draw.

SECTION B.

Q. 5. Draw a design for the lid of an octagonal biscuit-tin, to occupy a regular octagon of 2 inches side. The design may be composed of Celtic, Floral, or Geometric ornament.

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You may complete half the design in colour.

(Colour MAY be used in answering this question.)

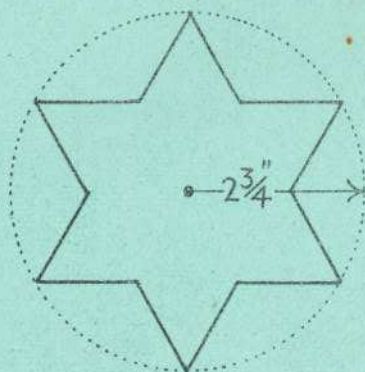
Q. 7. Draw a design for a Poster or Showcard to advertise "Toys". The design is to be rectangular in shape, 6 inches by 4 inches (vertical). Not more than four colours may be used.

(Colour MAY be used in answering this question.)

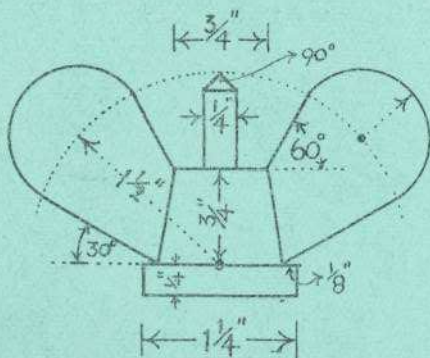
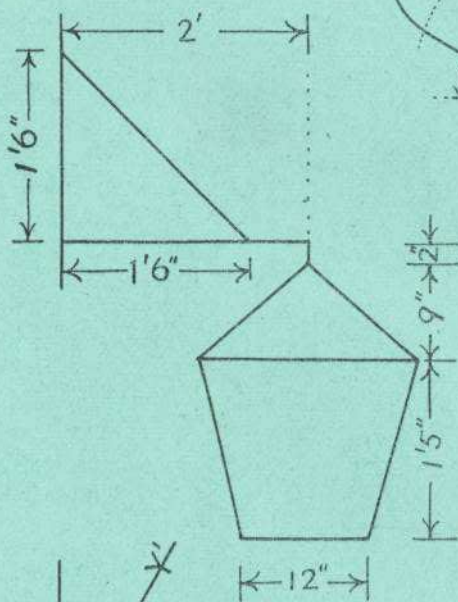
Q. 8. Draw a design to fill a regular hexagon of $2\frac{1}{2}$ " side. Your design may be composed of Floral or Geometric ornament.

(Colour MAY be used in answering this question.)

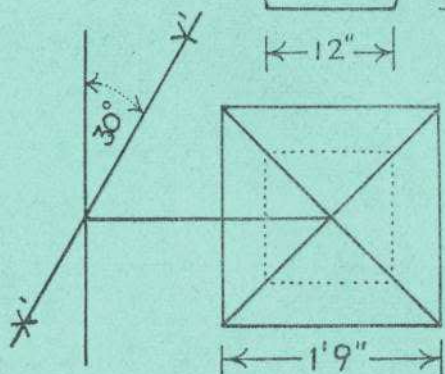
Задача́м а́нам - Boys ONLY.



Q.1.



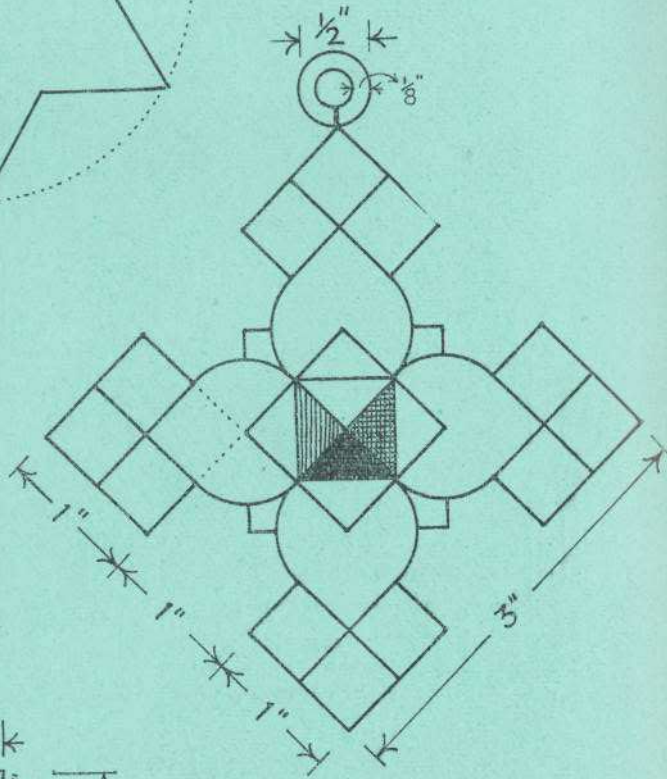
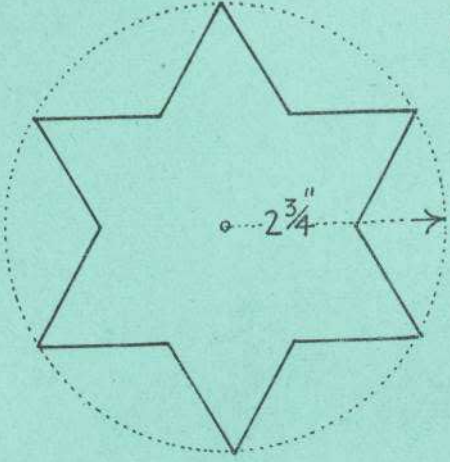
Q.2.



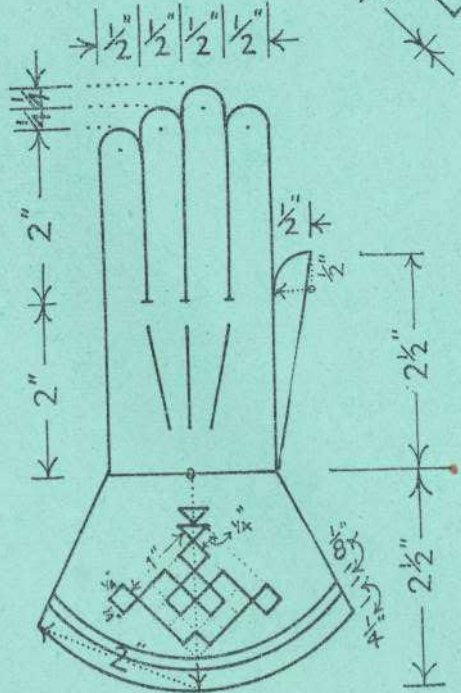
Q.3.

- GIRLS ONLY. (ЗЕАРРАЌАЉИ АМАЊИ)

Q.1.



Q.2.



Q.3.