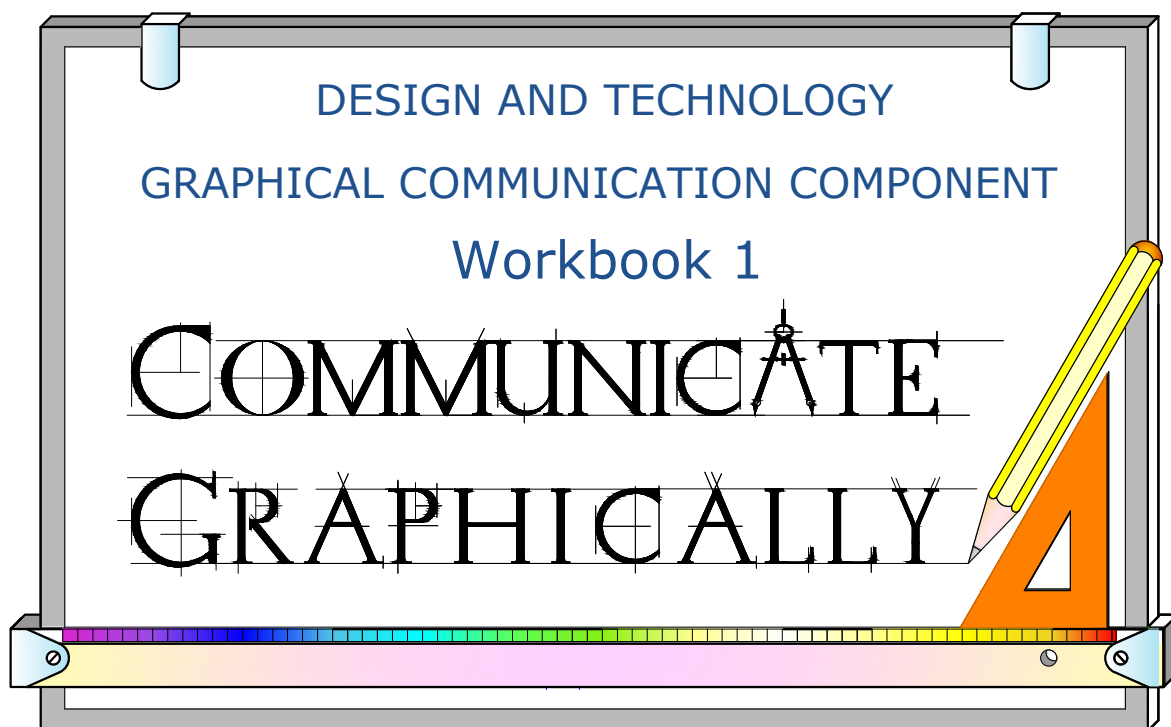


DESIGN AND TECHNOLOGY

GRAPHICAL COMMUNICATION COMPONENT

Workbook 1

COMMUNICATE
GRAPHICALLY



Name: _____

Year 7: _____

School: _____

Marks allotted:

20

Design & Technology

Graphical Communication Component

CONTENTS

Section 1. Printing letters and numbers

Section 2. Drawing different types of lines

Section 3. Measuring and marking out

Section 4. Constructing geometric figures

Section 5. Drawing 3-d forms

Note for the teacher

The students' work in each section can be classified as:

Very good (4 marks),

Good (3 marks),

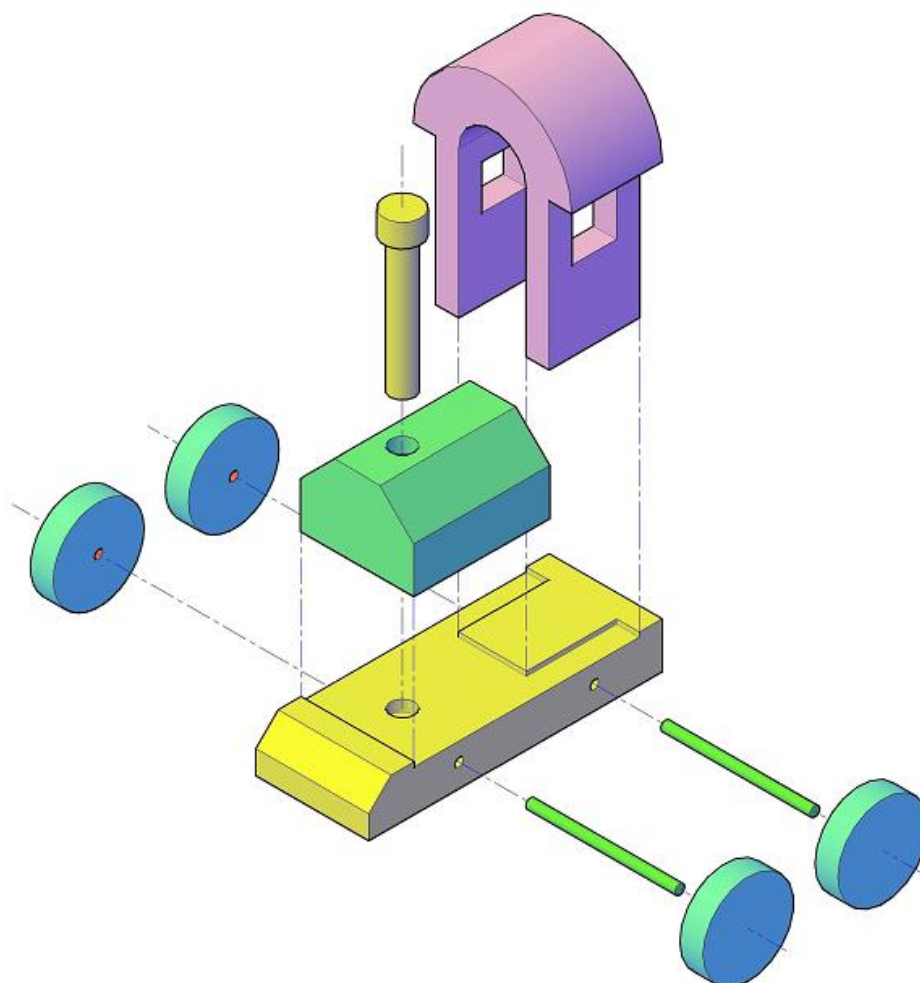
Fair (2 marks),

Developing (1 mark).

The marks will be awarded for accuracy, neatness, consistency and completion of the exercises. Emphasis is to be made on handling and the maintenance of the pencils and other drawing tools.

It is expected that, the skills and knowledge acquired in this workbook, are reflected in the D&T project portfolio and assessed accordingly. Further work produced is to be attached with this booklet.

A picture is worth a thousand words.



This work book is meant to help students communicate their design ideas graphically.

Designed by Michael Mallia (Education Officer Graphical Communication)



Directorate for Quality and Standards in Education

Curriculum Management Department

MALTA 2015

PRINTING

Copy the letters and numbers in the space provided.

A B C D E F G H I J K L M

N O P Q R S T U V W X Y Z

1 2 3 4 5 6 7 8 9 10 Ø

VERTICAL LETTERS AND NUMBERS

A B C D E F G H I J K L

M N O P Q R S T U V W

X Y Z 1 2 3 4 5 6 7 8 9

USE THE GRID BELOW TO PRINT YOUR NAME AND CLASS

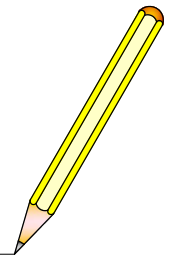
PRIZE WINNER CERTIFICATE

AWARDED TO:

A full-page view of a blank sheet of graph paper. The grid consists of small squares formed by thin, light blue horizontal and vertical lines. The paper has a white background and a black border around the edges.[illegible]

Date _____

Signature



TYPES OF LINES

Copy the lines in the space provided

CONSTRUCTION LINE (faint)



OUTLINE (black)



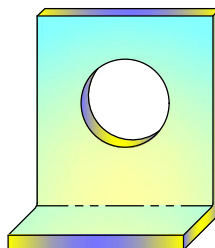
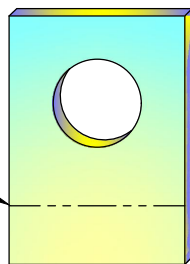
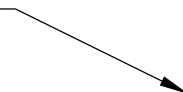
CENTRE LINE (medium black)



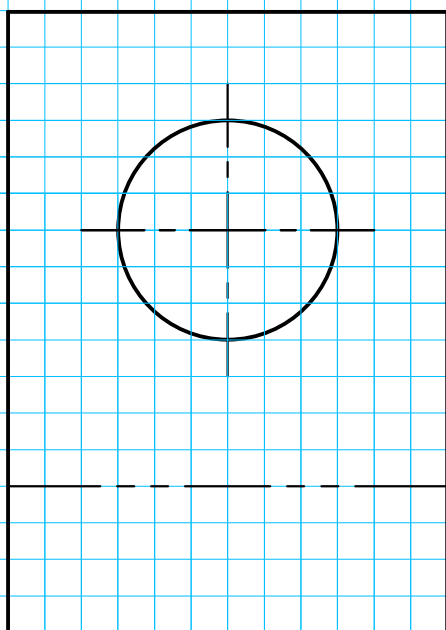
FOLD LINE (medium Black)



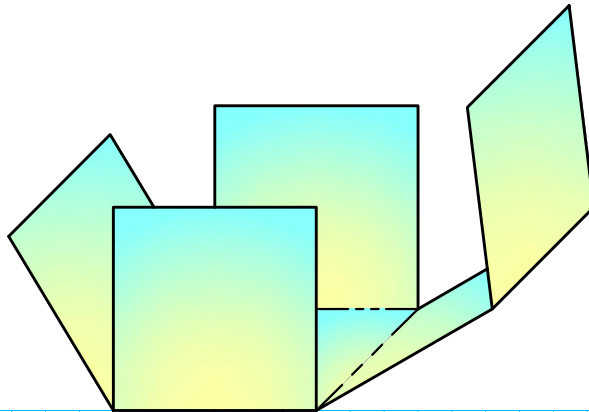
FOLD HERE



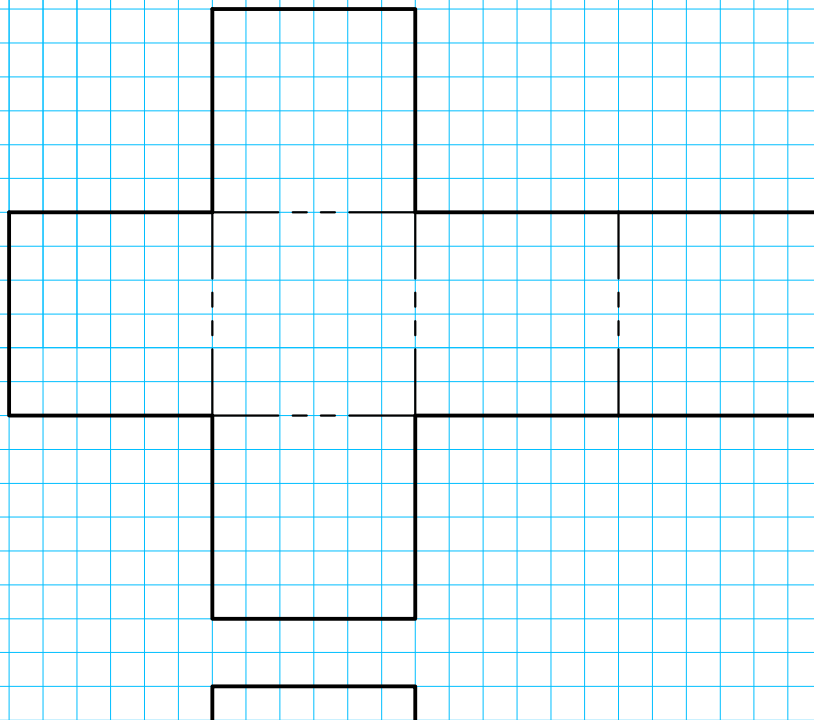
COPY THE GIVEN EXAMPLE



FOLDING UP A CUBE



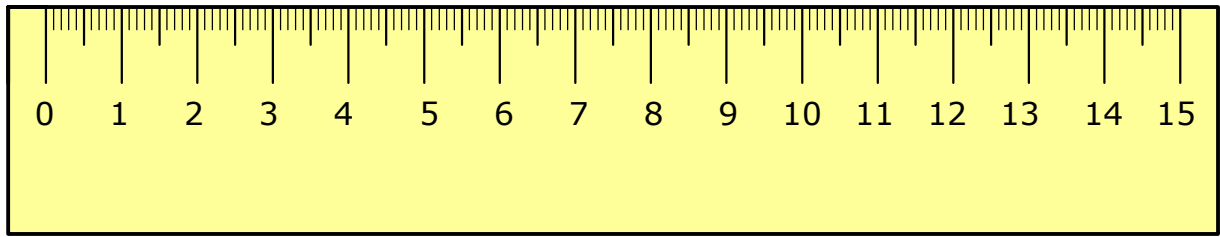
Copy the net of the cube



FLAT CUBE

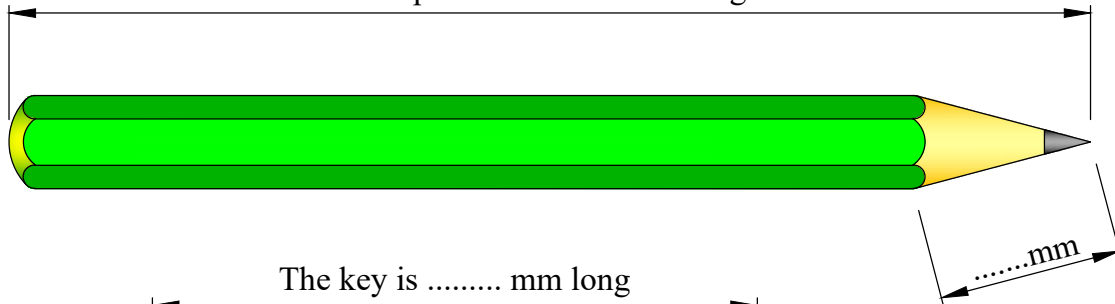


MEASURING

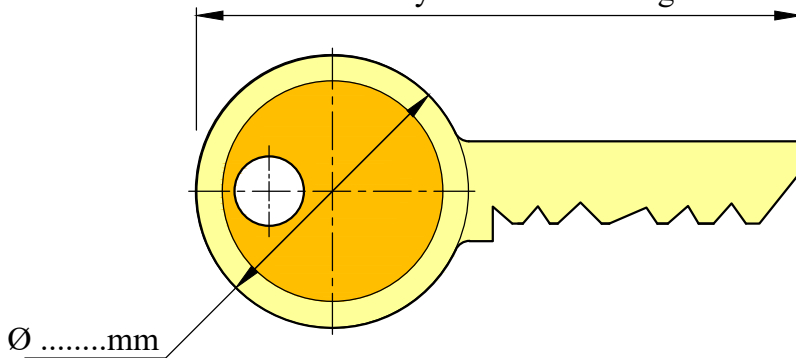


Measure the items below.

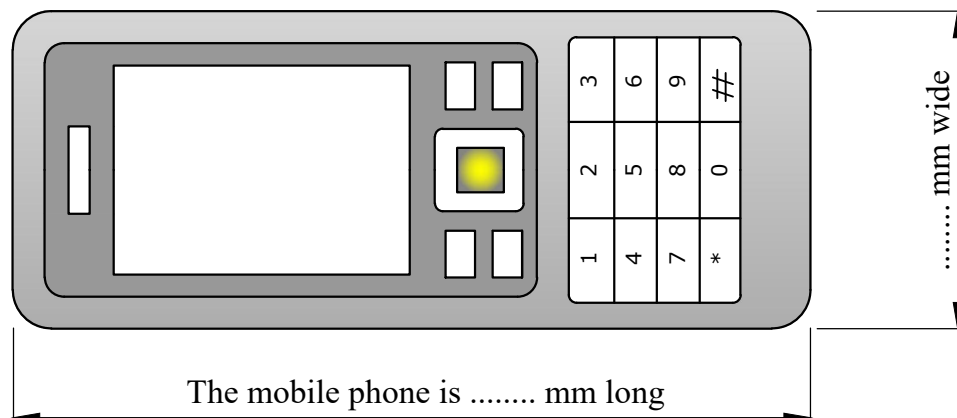
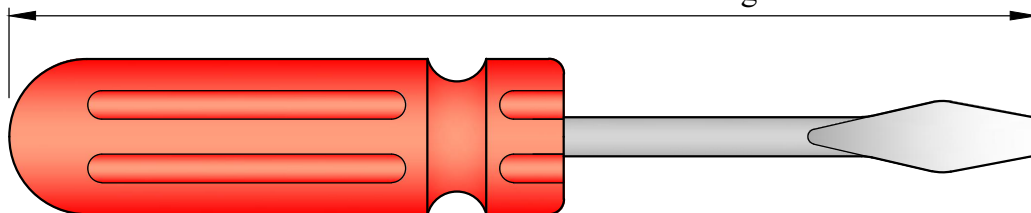
The pencil is mm long



The key is mm long

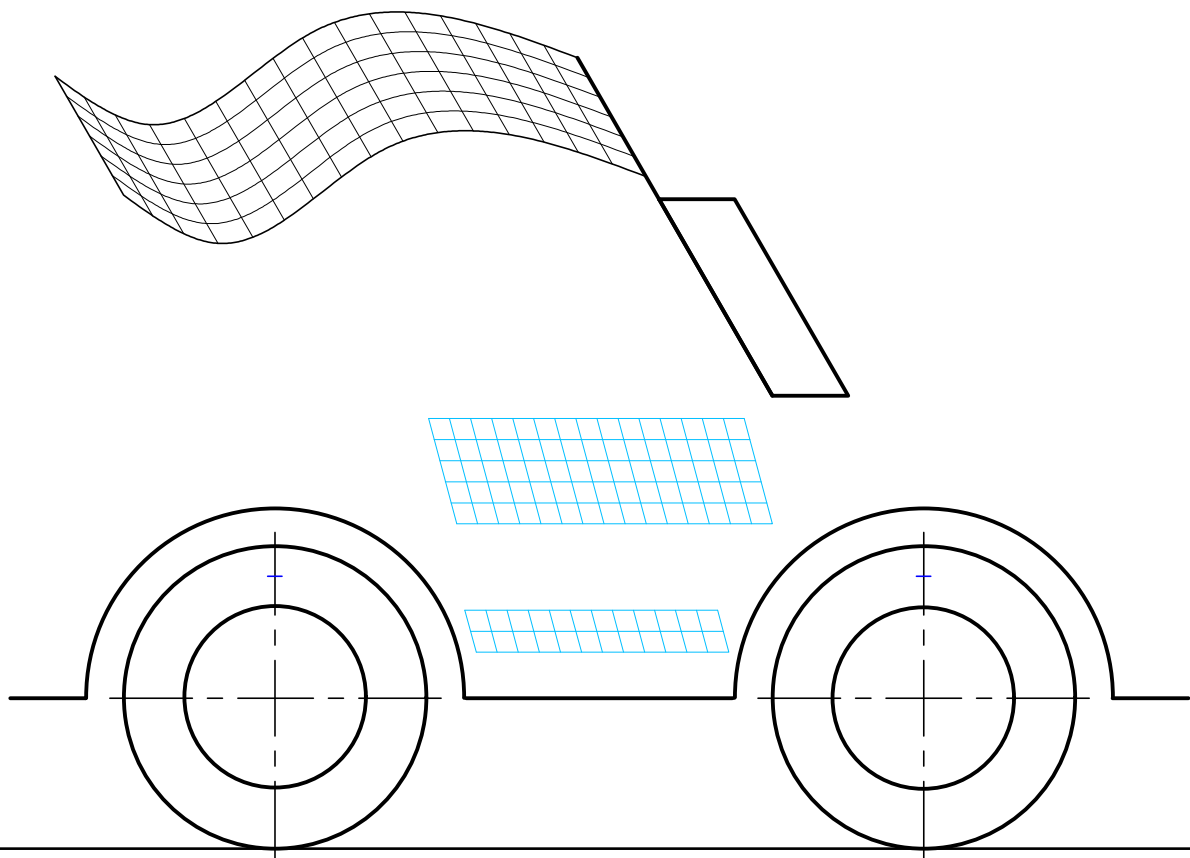
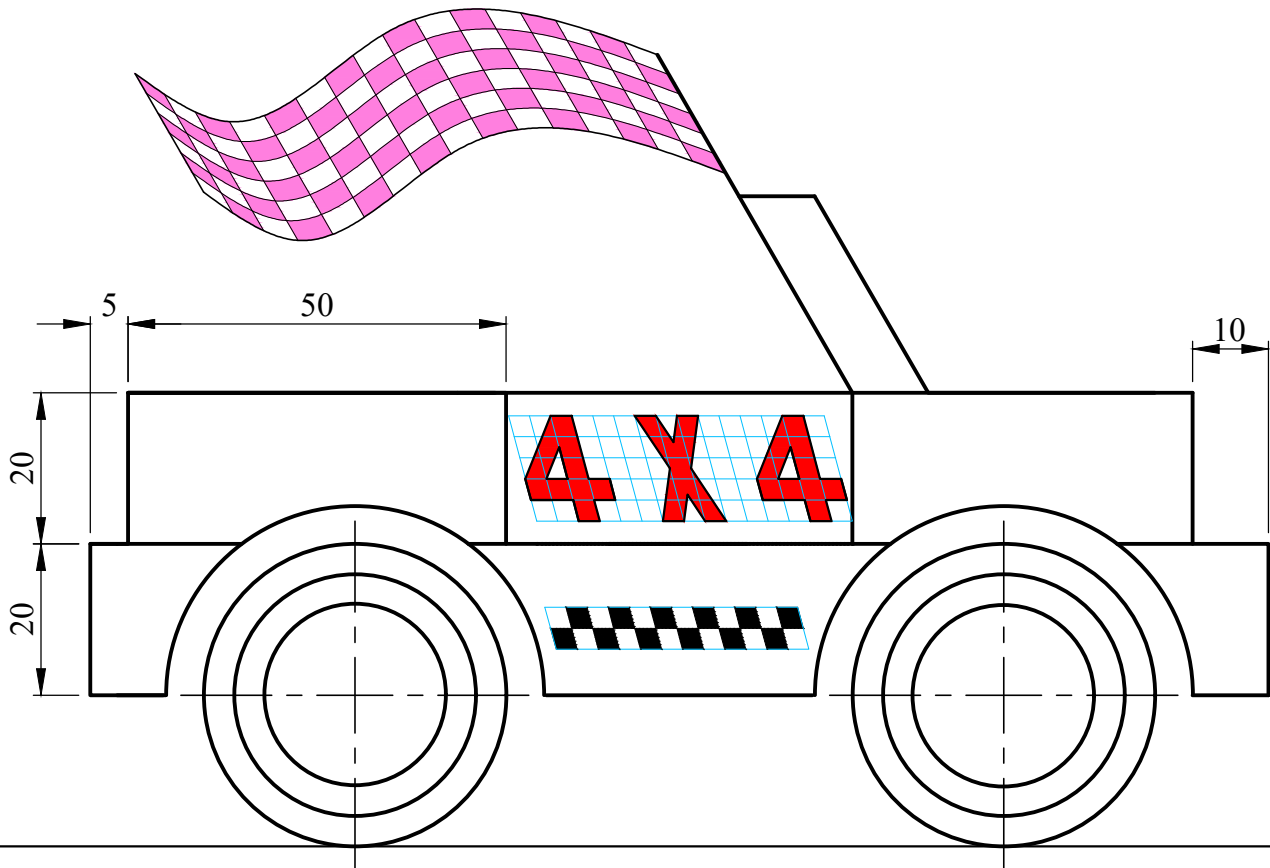


The screwdriver is mm long



MARKING OUT

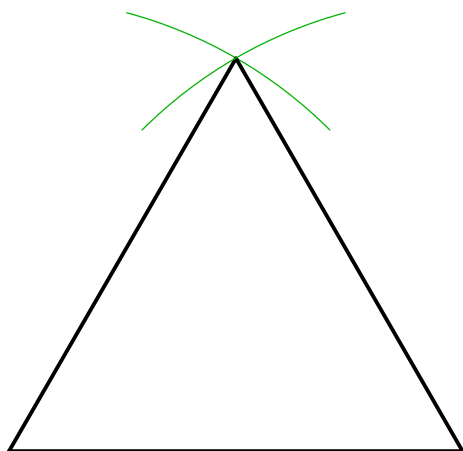
Use ruler, set squares compasses and pencil to mark out the jeep below.



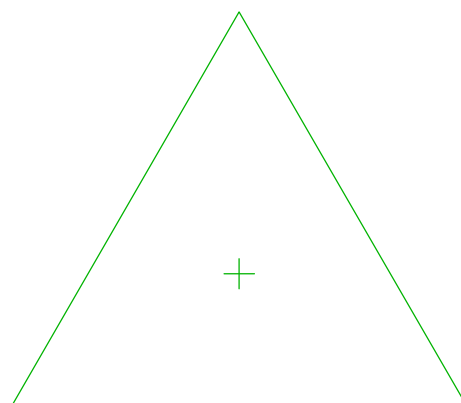
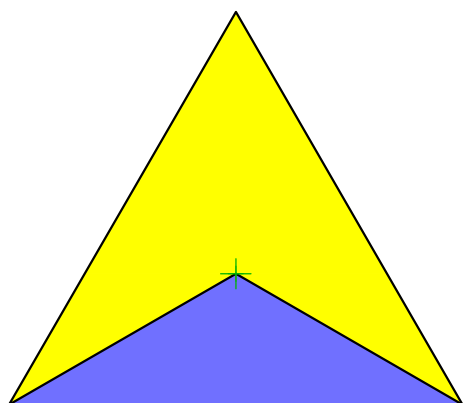
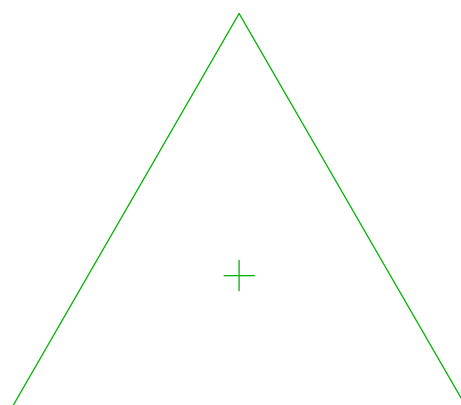
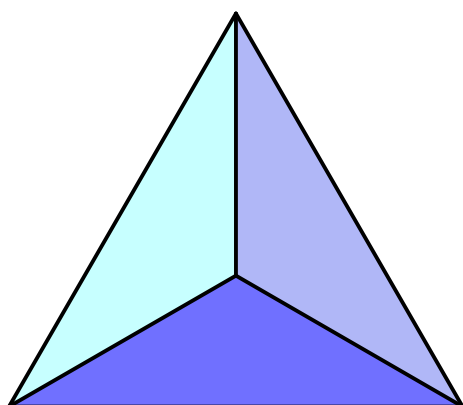
BASIC SHAPES 1

FUN GEOMETRY

Use ruler, compasses and pencils to construct the shapes below.



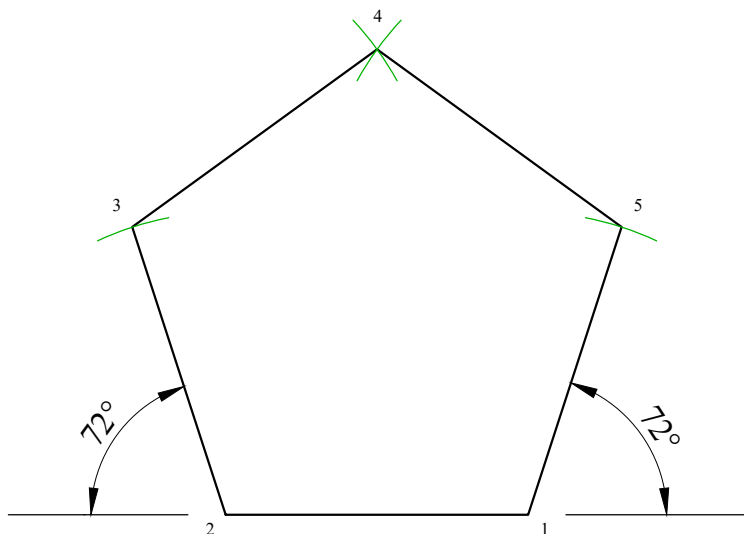
TRIANGLE



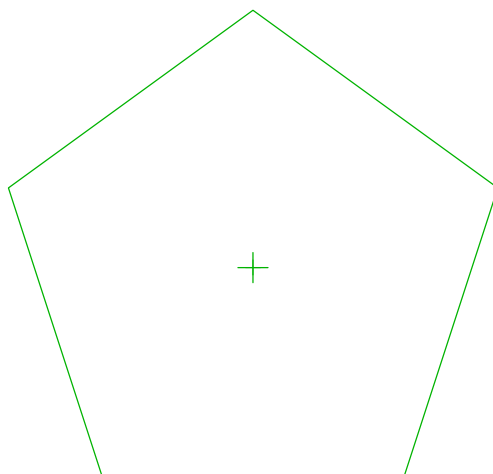
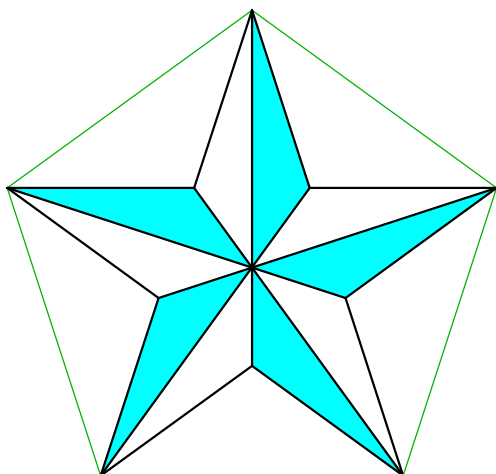
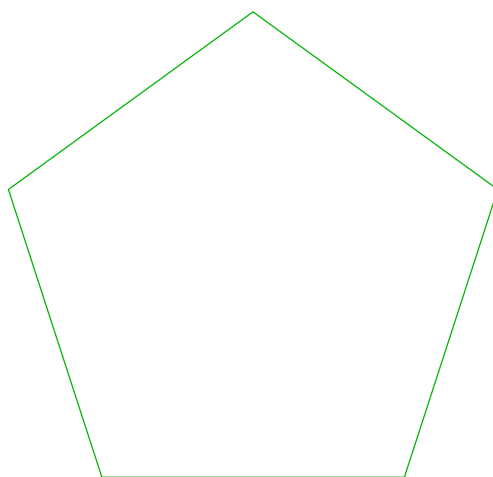
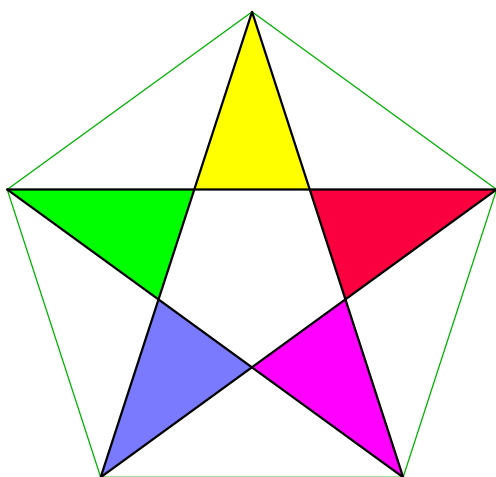
BASIC SHAPES 2

FUN GEOMETRY

Use ruler, protractor, compasses and pencils to construct the shapes below.



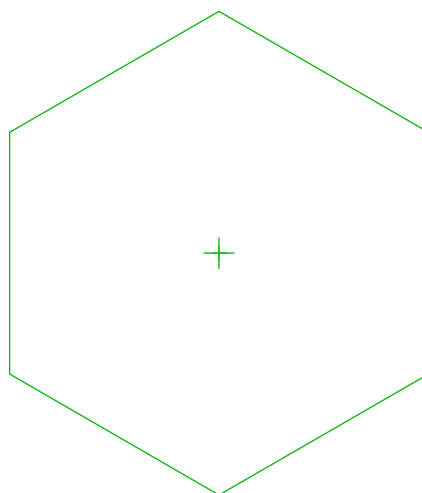
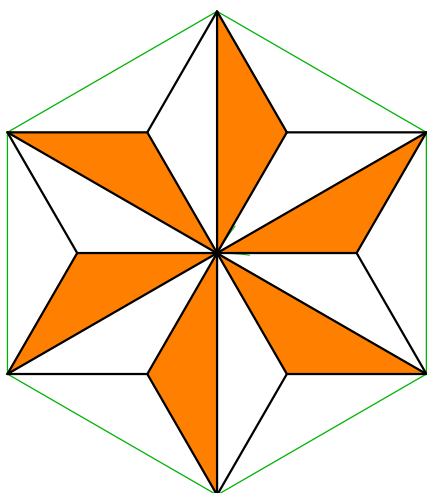
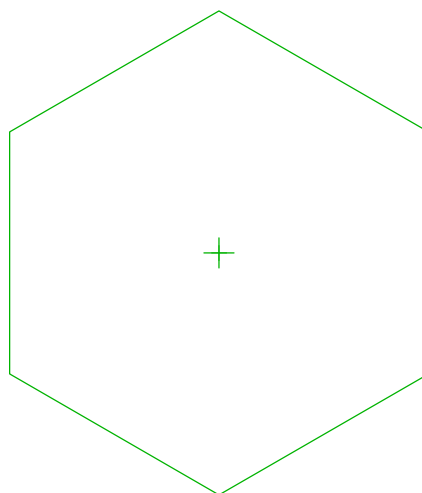
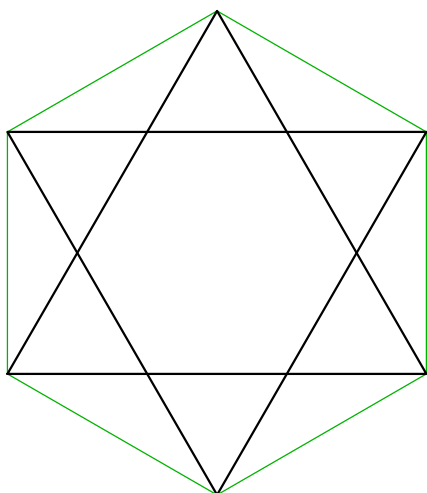
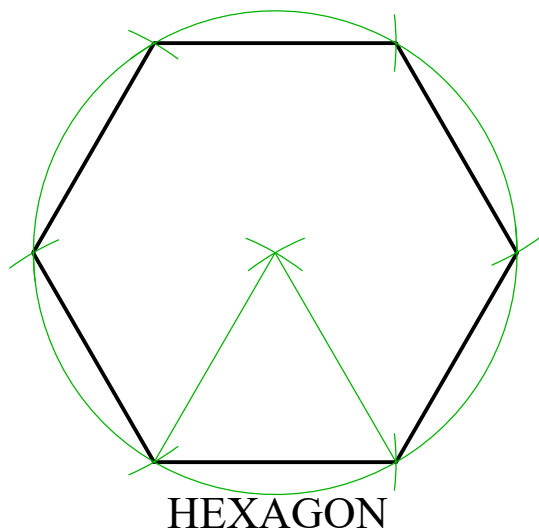
PENTAGON



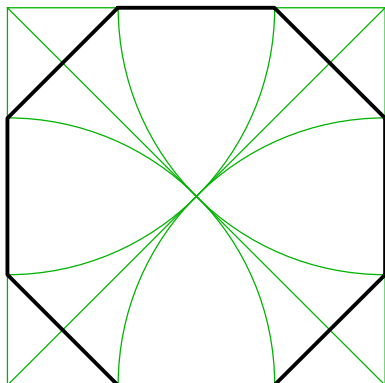
BASIC SHAPES 3

FUN GEOMETRY

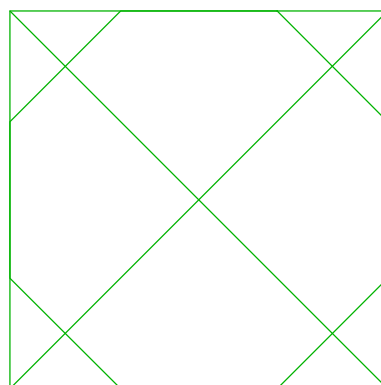
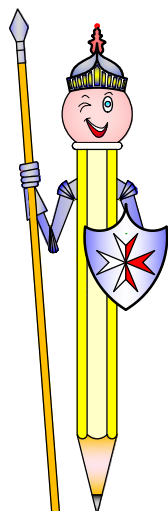
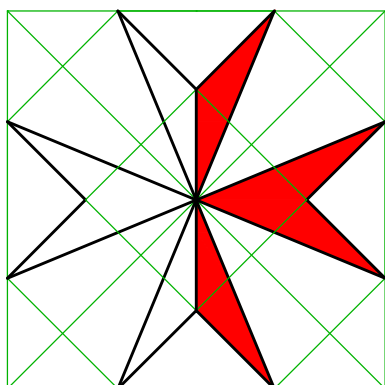
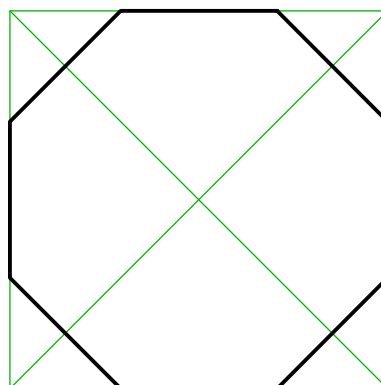
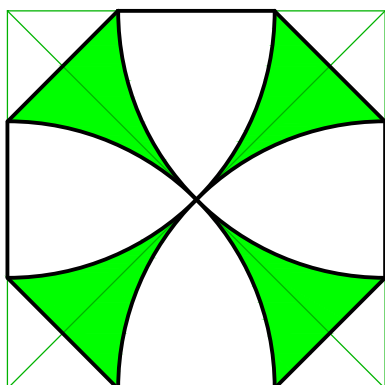
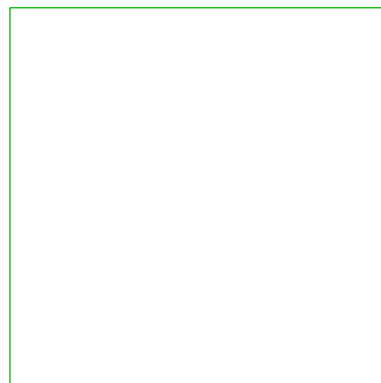
Use ruler, compasses and pencils to construct the shapes below.



Use ruler, compasses and pencils to construct the shapes below.

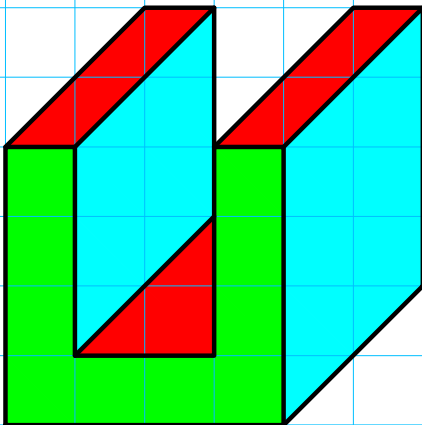
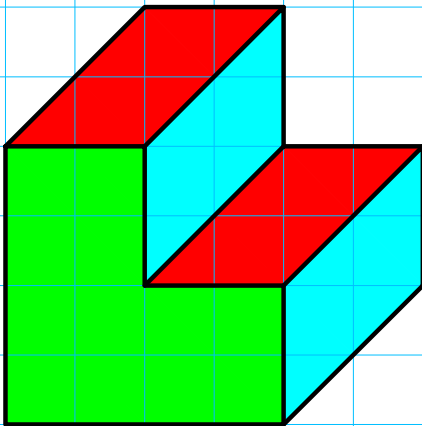
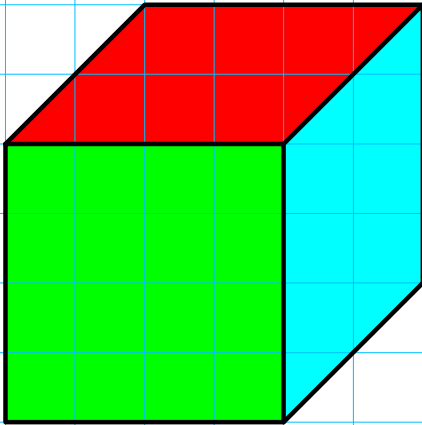


OCTAGON

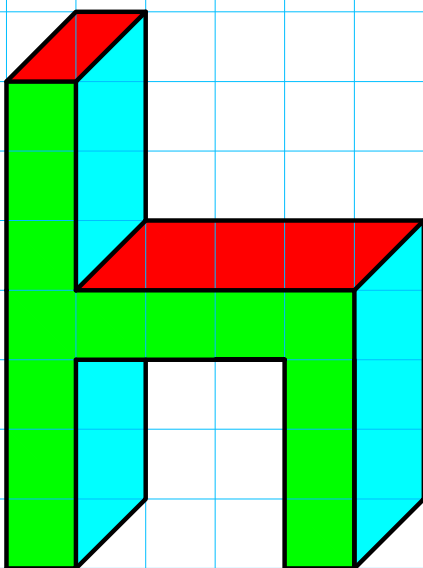
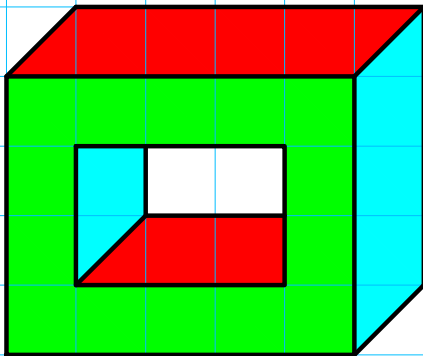
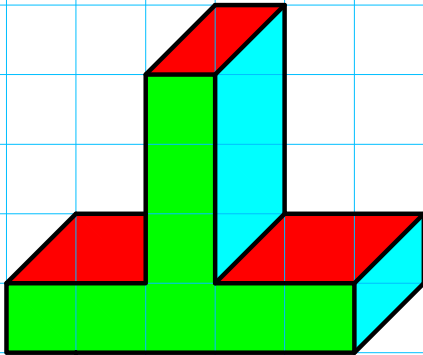


INTRODUCING 3-D DRAWING

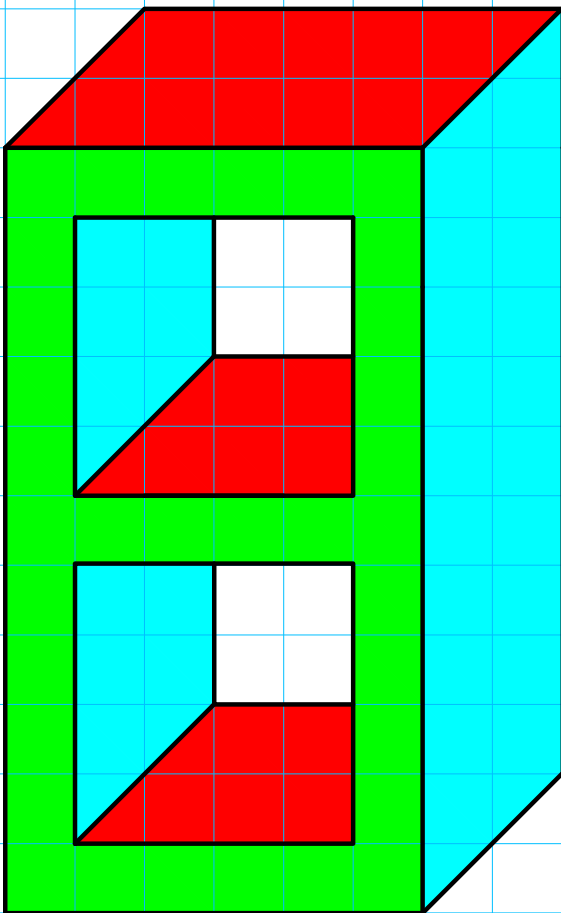
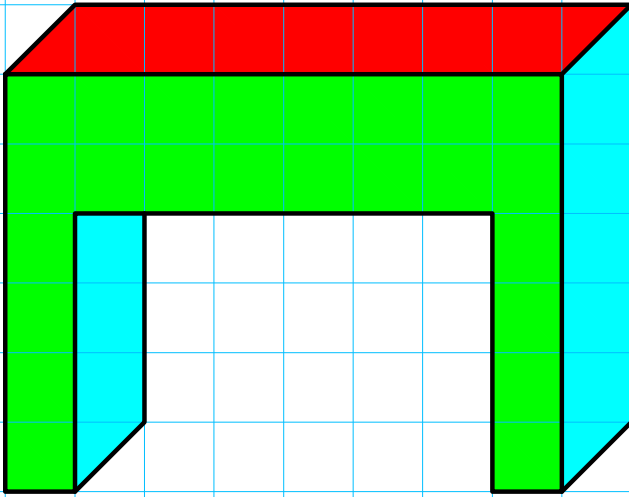
Copy the given views in the spaces provided.



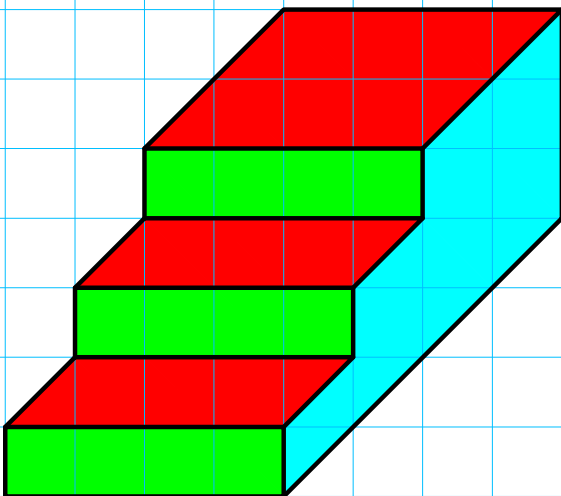
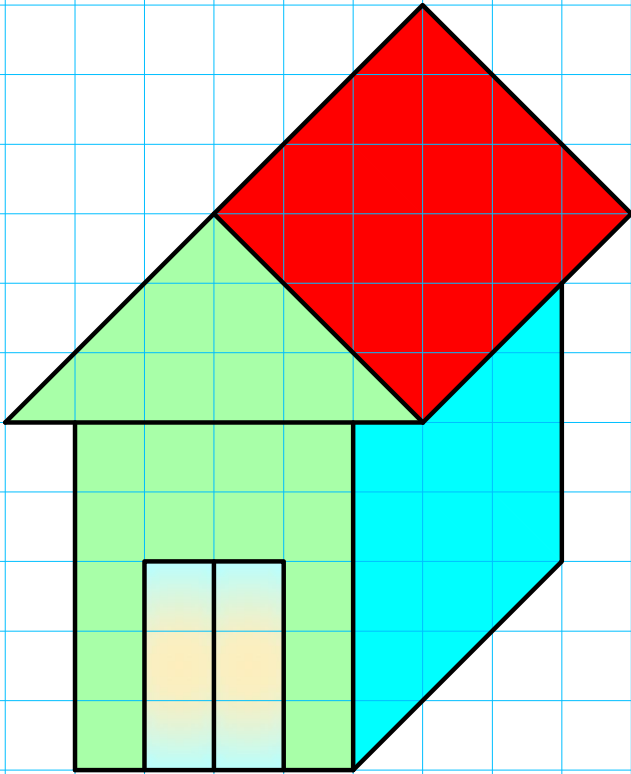
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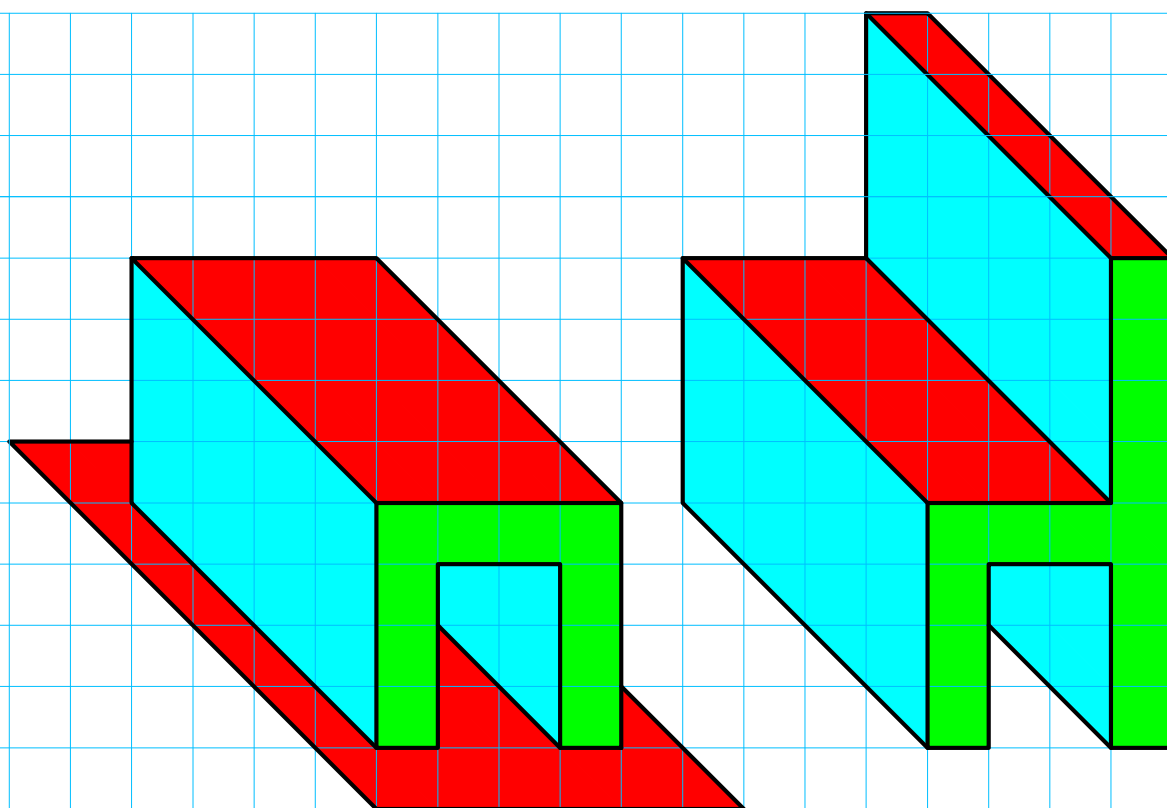
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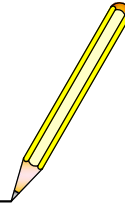
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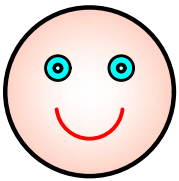
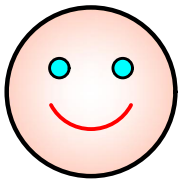
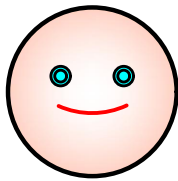
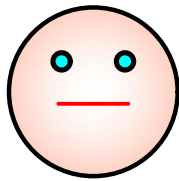


Copy the given views in the spaces provided.



I can



<ul style="list-style-type: none"> I can draw letters and numbers by using guidelines and grid lines. 				4	3	2	1
<ul style="list-style-type: none"> I can draw and use different line types in different situations. 				4	3	2	1
<ul style="list-style-type: none"> I can measure and mark out simple shapes. 				4	3	2	1
<ul style="list-style-type: none"> I can construct and colour useful geometric figures. 				4	3	2	1
<ul style="list-style-type: none"> I can draw and colour simple 3-D forms by using the square grid. 				4	3	2	1
16-20	10 -15	5 - 9	1- 4	Maximum mark			
				20			
Very good	Good	Fair	Developing				
Total mark							

Teacher's signature and remark:

