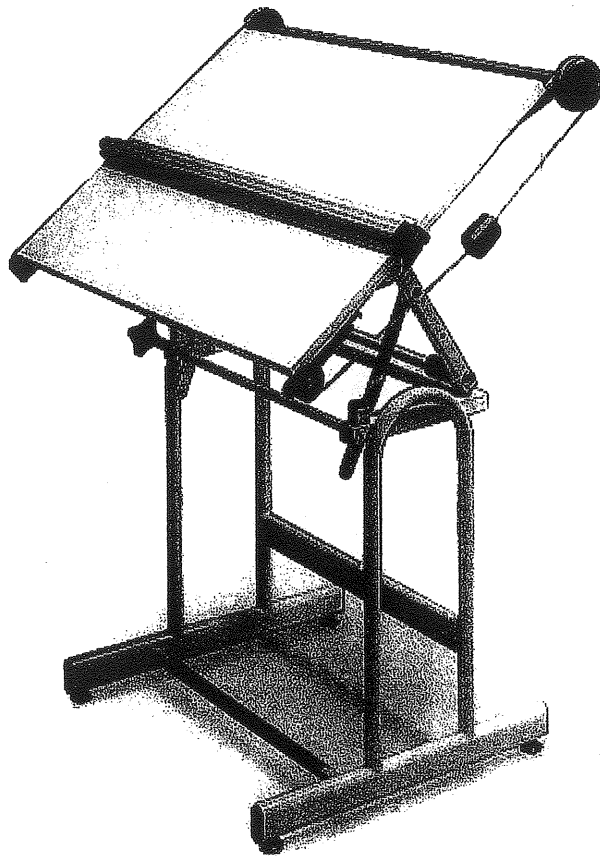


# Orthographic Drawing Course



Name.....

## What is Orthographic Drawing?

Orthographic Drawing is a way of representing different views of an object.

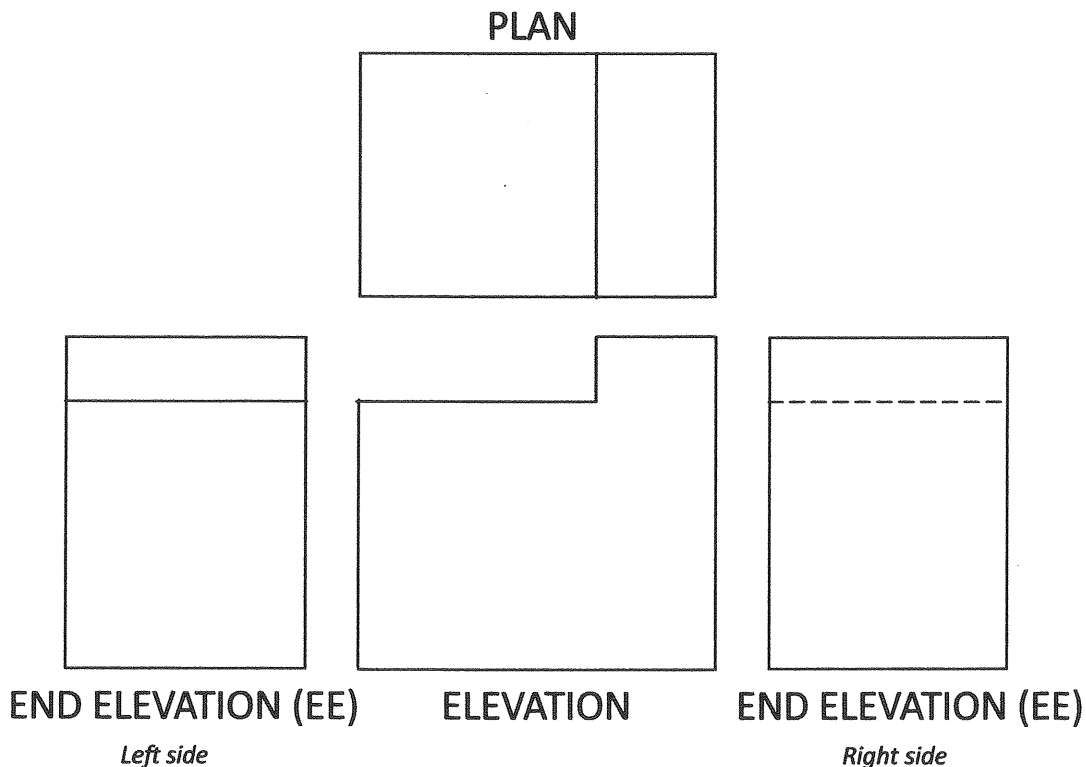
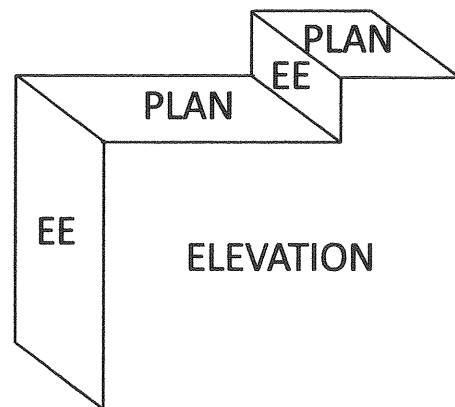
This type of drawing is used by architects, designers and manufacturers to make sure that it is possible to produce the product accurately.

It is important that these drawings can be produced and read by everyone in this industry around the world and for that reason the drawings have to meet certain standards.

Below is an example of an orthographic drawing which represents the different views of the shape.

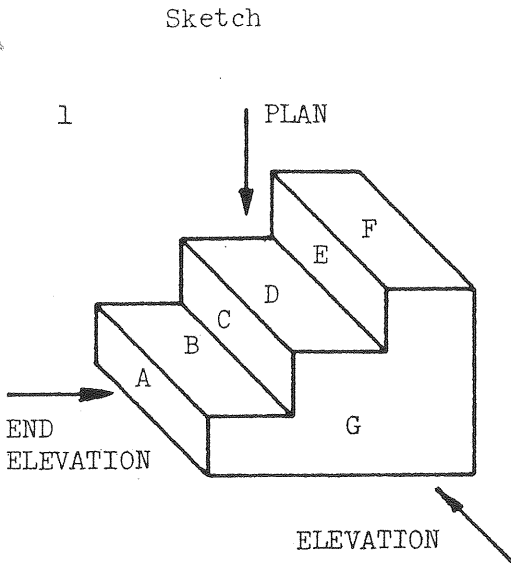
Note that the different views are all perfectly in line with each other and have either the same length, depth or height.

\*END ELEVATION = EE

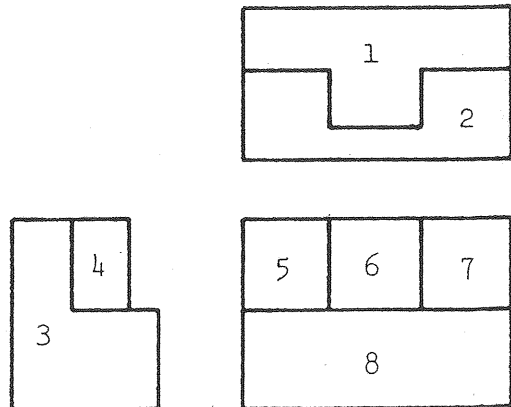
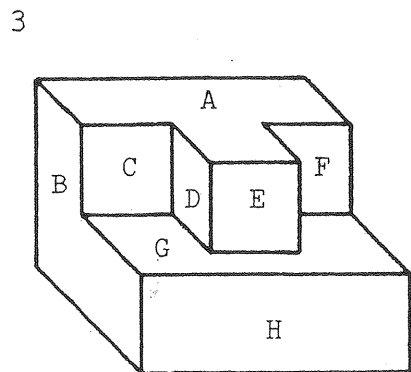
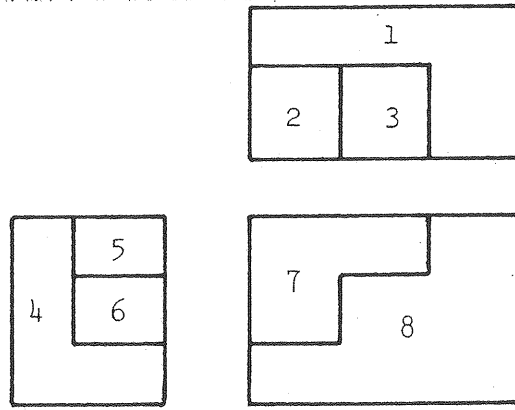
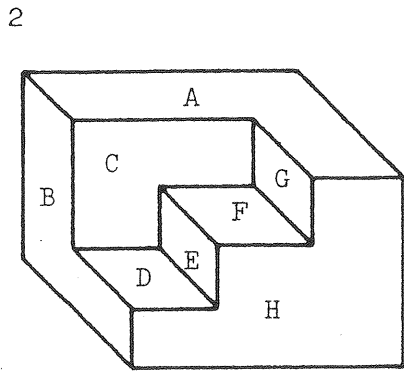
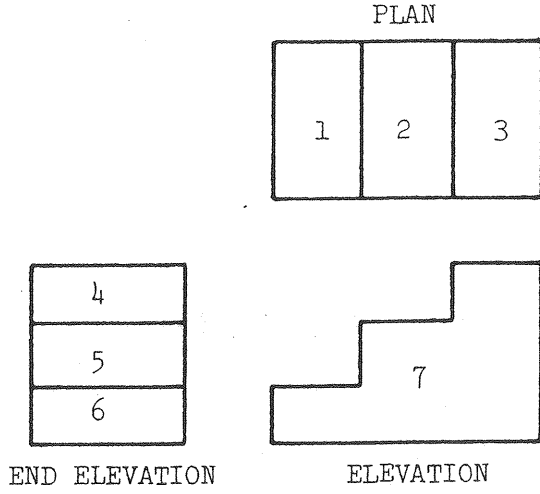


# Orthographic Views

Complete the table below by matching the numbered surfaces in the orthographic views with the letters in the sketch beside them.

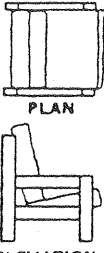
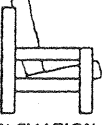
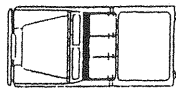
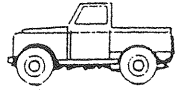

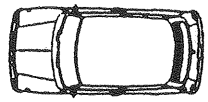

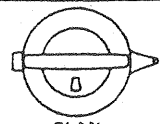
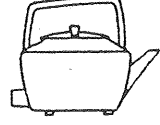
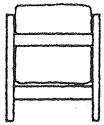
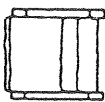
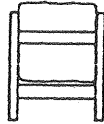
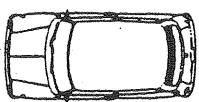

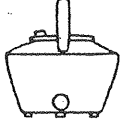
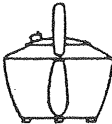
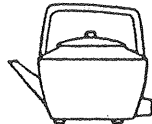


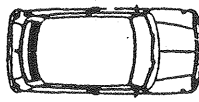

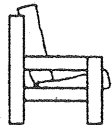
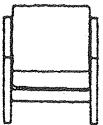
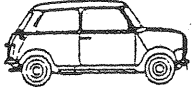
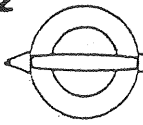
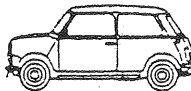
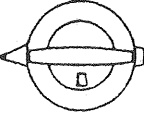

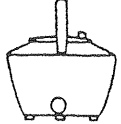
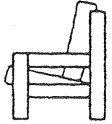


Orthographic views

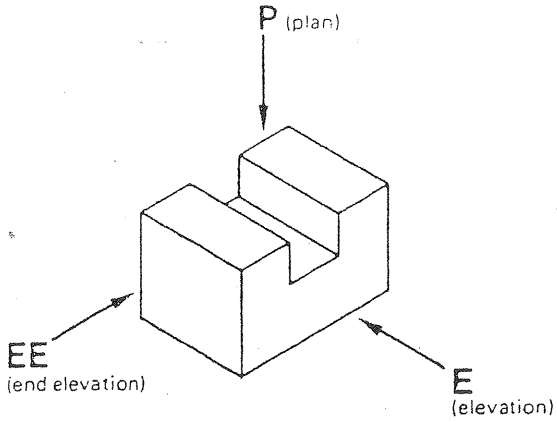


Exercise	A	B	C	D	E	F	G	H
1								
2								
3								

One view is missing in each of the eight drawings below. Select the appropriate view from the solutions numbered 1-17 and complete the table by placing your selection in the appropriate box.

<p>A</p>  <p>PLAN</p>  <p>ELEVATION</p> <p>?</p>	<p>B</p>  <p>PLAN</p>  <p>ELEVATION</p> <p>?</p>	<p>1</p> 		
<p>C</p>  <p>PLAN</p>  <p>ELEVATION</p> <p>?</p>	<p>D</p>  <p>PLAN</p>  <p>ELEVATION</p> <p>?</p>	<p>2</p> 		
<p>E</p>  <p>PLAN</p>  <p>END ELEVATION</p> <p>?</p>	<p>F</p>  <p>PLAN</p>  <p>ELEVATION</p> <p>?</p>	<p>3</p> 		
<p>G</p>  <p>END ELEVATION</p>  <p>ELEVATION</p> <p>?</p>	<p>H</p>  <p>ELEVATION</p>  <p>END ELEVATION</p> <p>?</p>	<p>4</p> 		
<p>8</p> 	<p>9</p> 	<p>10</p> 	<p>11</p> 	<p>12</p> 
<p>13</p> 	<p>14</p> 	<p>15</p> 	<p>16</p> 	<p>17</p> 

A	B	C	D	E	F	G	H

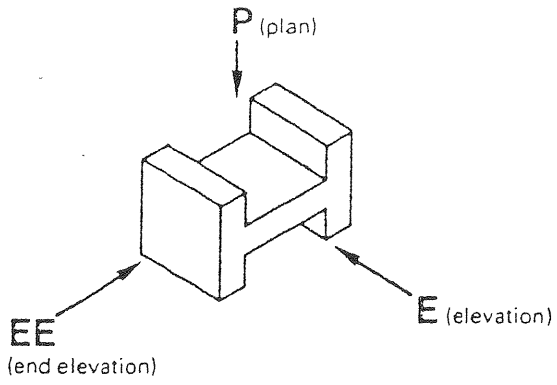


The code in the top left-hand corner of each pictorial view indicates which view is required - elevation (E), end elevation (EE), or plan (P). Complete the table below by studying the solutions A to P and inserting the correct letter in the appropriate box.

1 E 	2 EE 	3 P 	4 EE 
5 P 	6 E 	7 E 	8 P 

A 	B 	C 	D 	E 
F 	G 	H 	J 	K 
L 	M 	N 	O 	P 

1	2	3	4	5	6	7	8

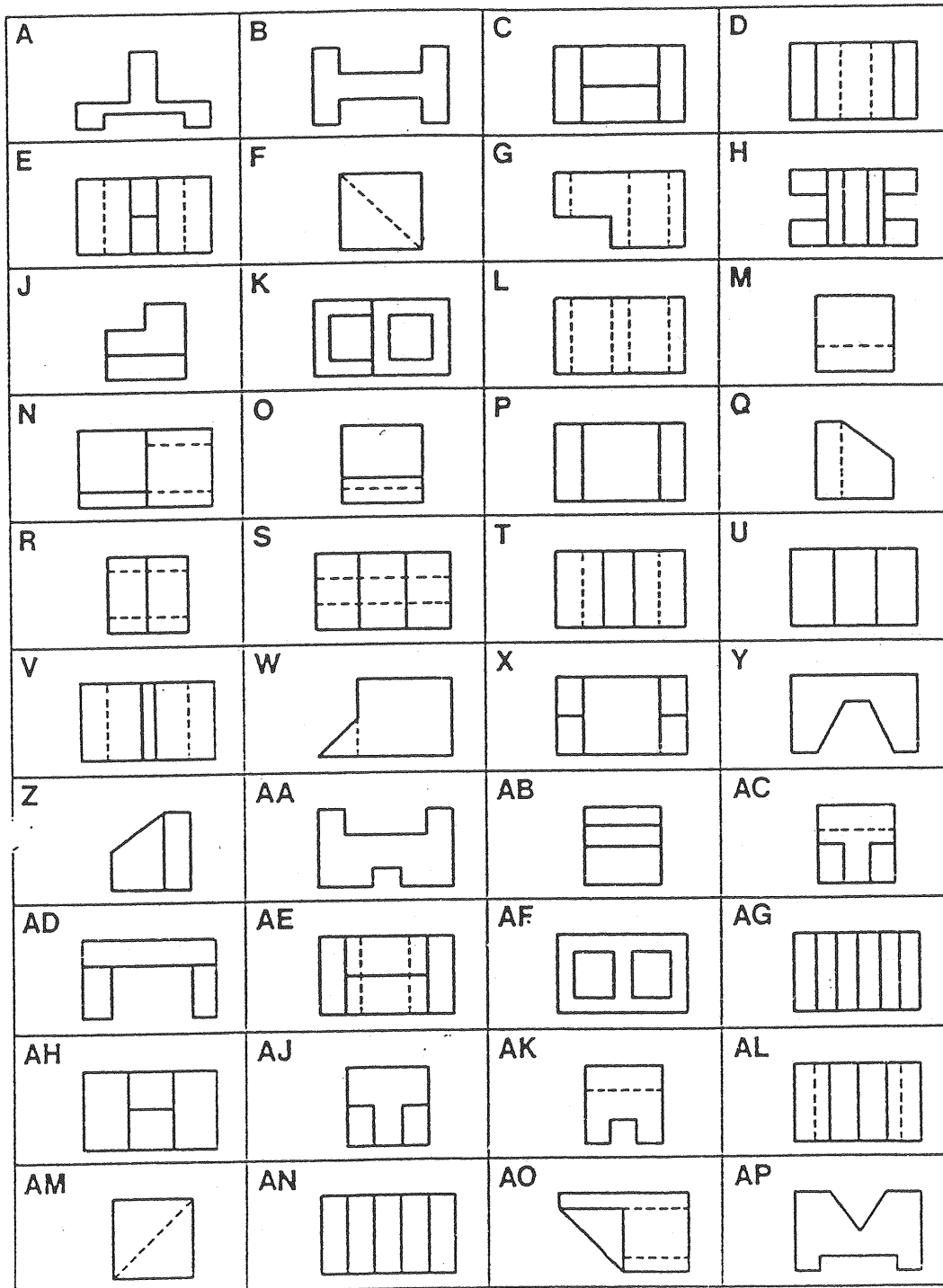


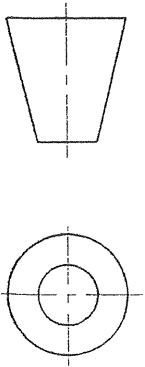
The code in the top left-hand corner of each pictorial view indicates which view is required - elevation (E), end elevation (EE), or plan (P).

Complete the table below by studying the possible solutions on the next page and inserting the correct letter in the appropriate box.

1 P 	2 P 	3 E 	4 P 
5 EE 	6 P 	7 P 	8 P 
9 EE 	10 P 	11 P 	12 P 
13 E 	14 EE 	15 EE 	16 EE 
17 P 	18 EE 	19 EE 	20 E 

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20





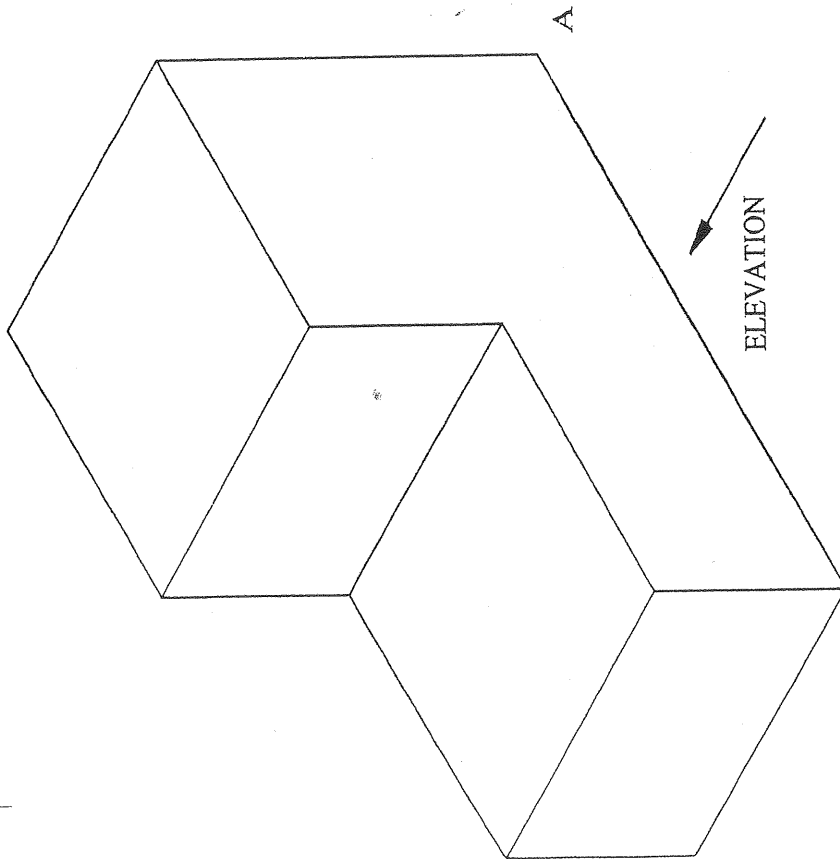
# ORTHOGRAPHIC VIEWS FROM ISOMETRIC VIEW

Shaped Block **1**

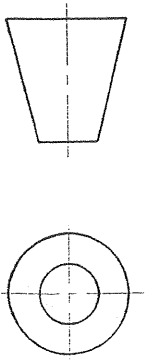
From the given isometric view draw in orthographic projection the following views:-

- (a) the elevation,
- (b) the plan,
- (c) both end elevations.

Note:- Leave 10mm between views.







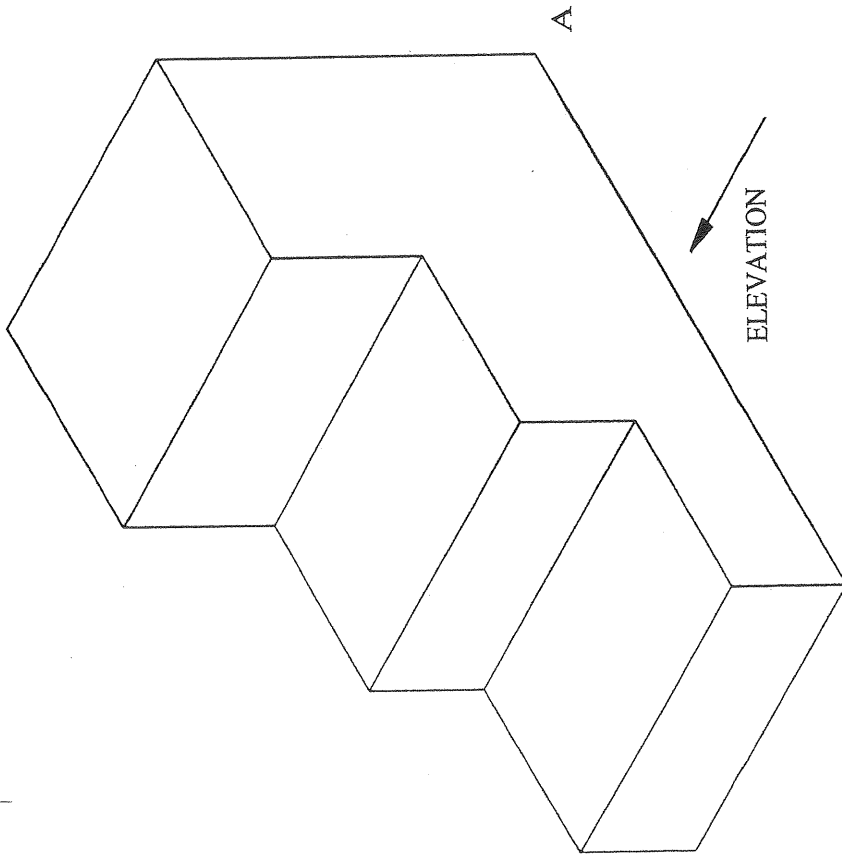
# ORTHOGRAPHIC VIEWS FROM ISOMETRIC VIEW

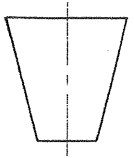
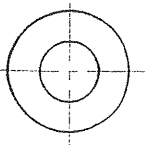
## Shaped Block 2

From the given isometric view draw in orthographic projection the following views:-

- (a) the elevation,
- (b) the plan,
- (c) both end elevations.

Note:- Leave 10mm between views.





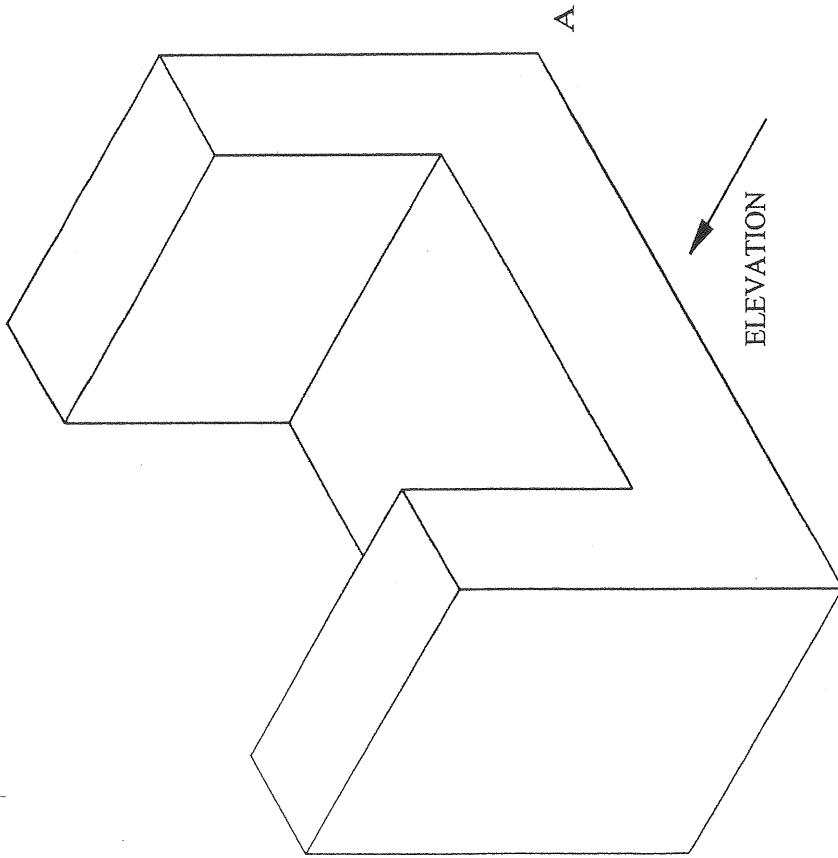
### ORTHOGRAPHIC VIEWS FROM ISOMETRIC VIEW

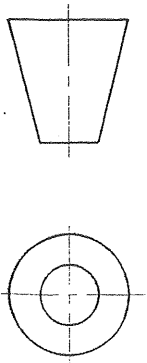
### Shaped Block 3

From the given isometric view draw in orthographic projection the following views:-


- (a) the elevation,
- (b) the plan,
- (c) both end elevations.

Note:- Leave 10mm between views.





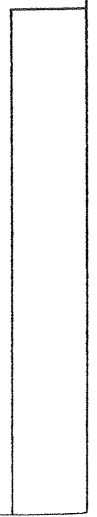
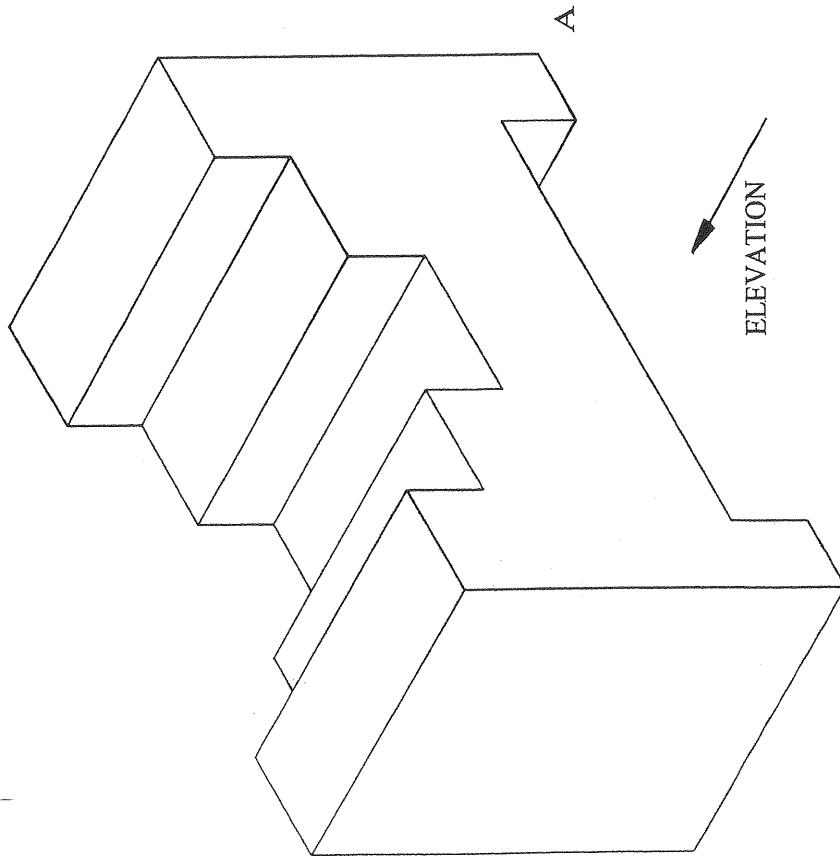
# ORTHOGRAPHIC VIEWS FROM ISOMETRIC VIEW

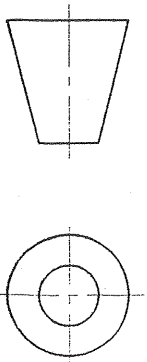
Shaped Block 

From the given isometric view draw in orthographic projection the following views:-

- (a) the elevation,
- (b) the plan,
- (c) both end elevations.

Note:- Leave 10mm between views.





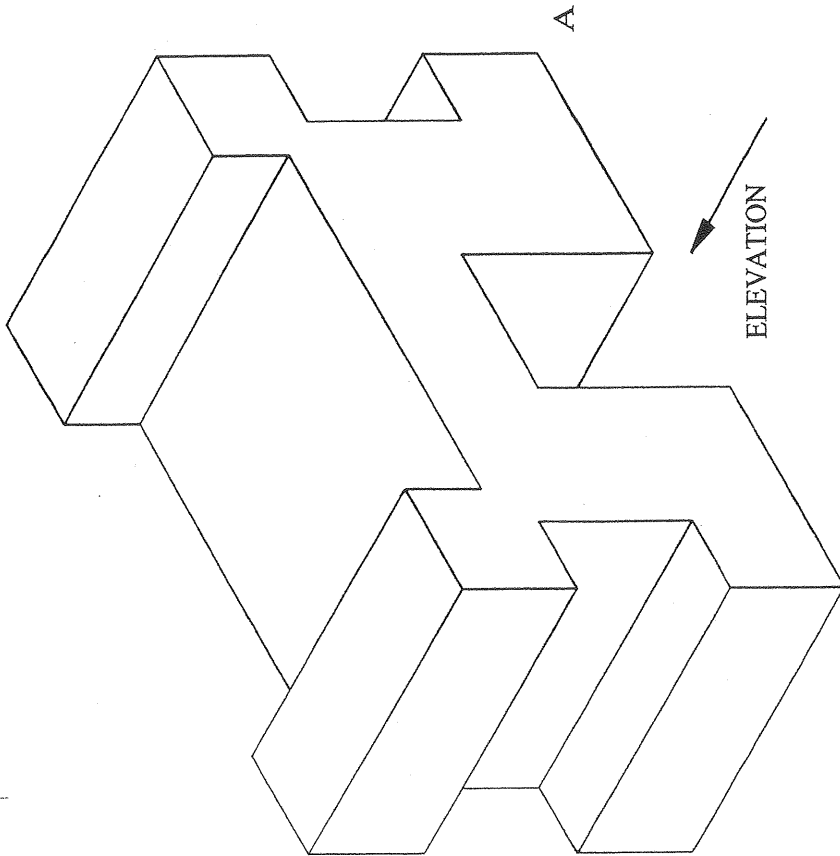
### ORTHOGRAPHIC VIEWS FROM ISOMETRIC VIEW

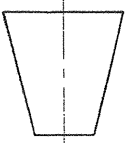
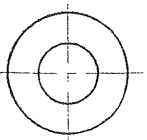
Shaped Block **S**

From the given isometric view draw in orthographic projection the following views:-

- (a) the elevation,
- (b) the plan,
- (c) both end elevations.

Note:- Leave 10mm between views.





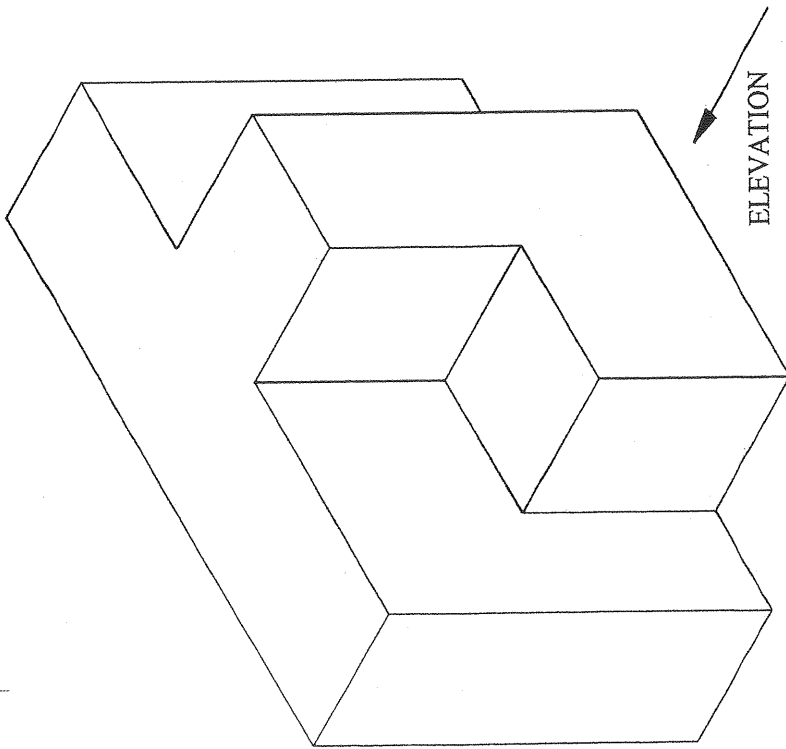
### ORTHOGRAPHIC VIEWS FROM ISOMETRIC VIEW

Shaped Block **6**

From the given isometric view draw in orthographic projection the following views:-

- (a) the elevation,
- (b) the plan,
- (c) both end elevations.

Note:- Leave 10mm between views.



ELEVATION



