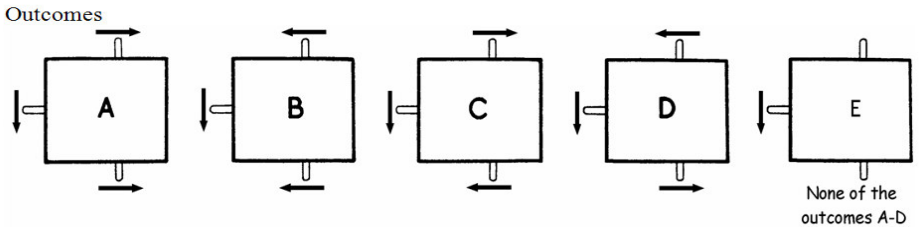
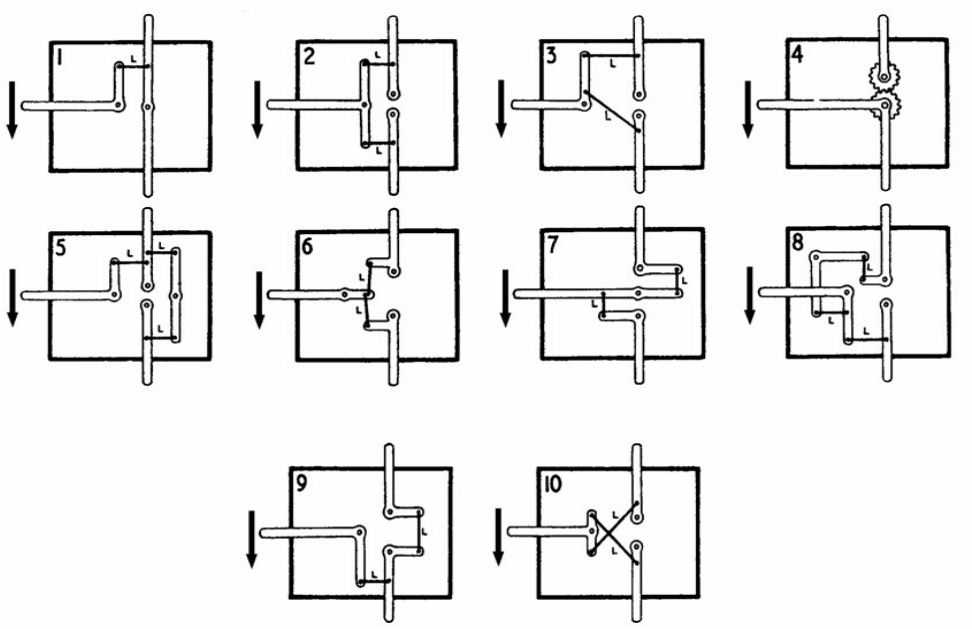
SECTION 2: (Remember that option E indicates neither A,B,C or D)

Predict the movement of the top and bottom levers in response to the side lever being moved downwards.



Diagrams of open boxes (P = pulley wheel: PS = pin and slot: L= solid link)



Answer box.

Diagram	A	B	C	D	E	Diagram	A	B	C	D	E
1						6					
2						7					
3						8					
4						9					
5						10					

Instructions:

Diagram 1. shows a box with the side removed. When the lever is pressed downwards the weights that are attached by chords move as a result.

Diagram 1

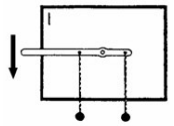
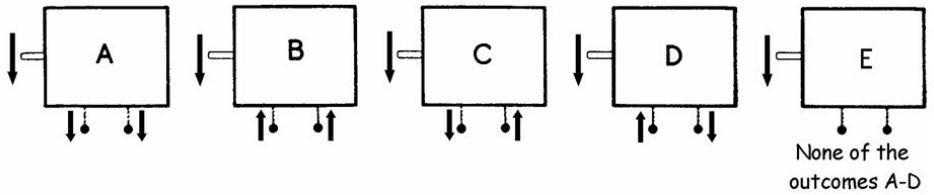


Diagram 2 shows the possible outcomes of this lever being pressed.
Your aim in this task is to predict which outcome (A, B, C or D) will result from each of the diagrams over the page and mark your choice with an 'X' in the answer box.

* If neither A, B, C or D correctly represent the diagram, then enter an 'X' in option 'E'

Diagram 2.



EXAMPLE:

(1) In diagram 1 the movement of the lever will result in the left-hand weight moving downwards and the right-hand weight moving upwards.
(2) This is represented by outcome 'C'
(3) Therefore an 'X' has been placed in box C for diagram 1.

Answer Box

Diagram No	A	B	C	D	E
1			X		

Some of the diagrams over the page contain code letters.

1. Link (L) refers to a solid connection between two levers.
2. Pulley Wheel (P) refers to a freely moving wheel with a groove in it around which a chord can travel.
3. Pin and Slot (PS) refers to a pin extending from one lever that moves within the slot in another lever.

Please turn over the page and proceed in exactly the same way with the 40 diagrams shown. (The diagrams are all shown in blocks of ten).

Please complete this questionnaire on your own