

Copymaster: *See-saw Antics*

Activity Two

Instructions for balancing experiment

- i. Balance a 30 cm ruler by placing a thick pencil or a marker pen under it at the 15 cm mark (the fulcrum). Place 1 washer on one end of the ruler at the 30 cm mark. Place 2 washers (identical to the other washer) together on the other side of the fulcrum. Move the 2 washers along the ruler until it balances.
- ii. Enter the positions of the washers on the table below. (Measure from the fulcrum.)
- iii. Move the single washer to the 25 cm mark on the ruler and then move the other 2 washers until the ruler balances again. Mark these positions on your table.
- iv. Repeat for the 20 cm mark on the ruler, and so on.

Distance (cm) from the fulcrum of 1 washer	Distance (cm) from the fulcrum of 2 washers (to balance)
15	
10	
5	

Activity Two

Instructions for balancing experiment

- i. Balance a 30 cm ruler by placing a thick pencil or a marker pen under it at the 15 cm mark (the fulcrum). Place 1 washer on one end of the ruler at the 30 cm mark. Place 2 washers (identical to the other washer) together on the other side of the fulcrum. Move the 2 washers along the ruler until it balances.
- ii. Enter the positions of the washers on the table below. (Measure from the fulcrum.)
- iii. Move the single washer to the 25 cm mark on the ruler and then move the other 2 washers until the ruler balances again. Mark these positions on your table.
- iv. Repeat for the 20 cm mark on the ruler, and so on.

Distance (cm) from the fulcrum of 1 washer	Distance (cm) from the fulcrum of 2 washers (to balance)
15	
10	
5	