

## Activity Sheet 2



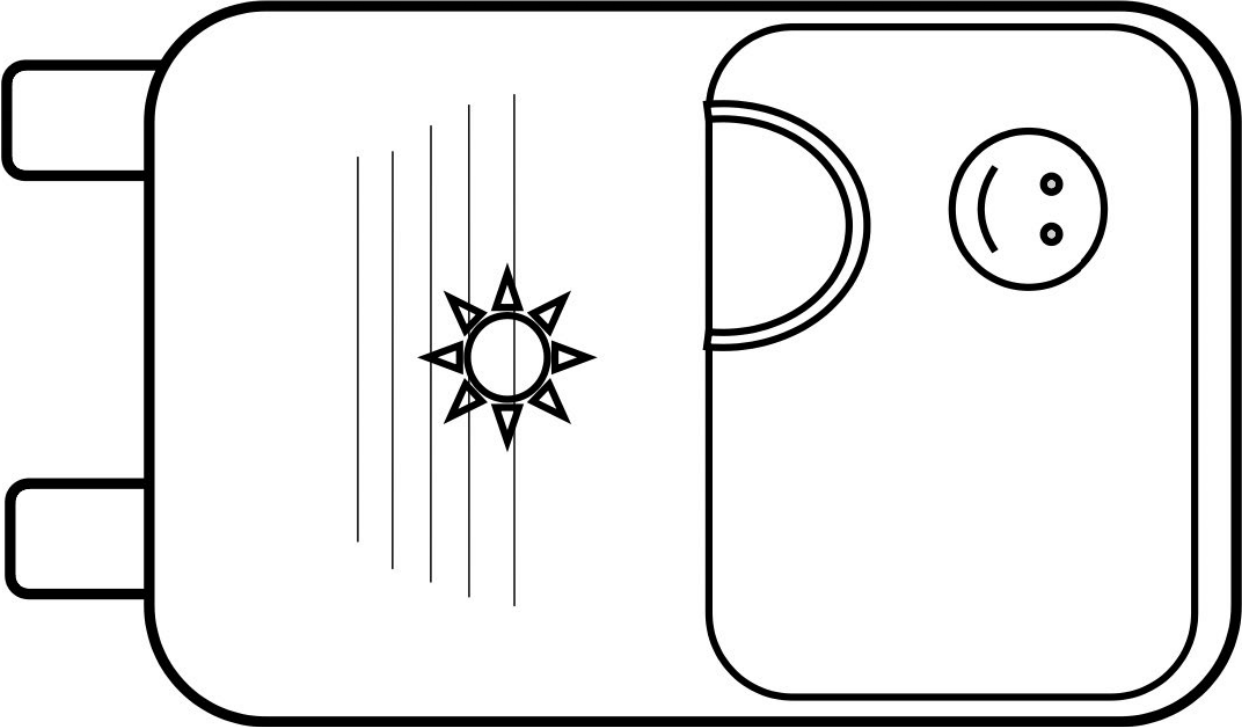
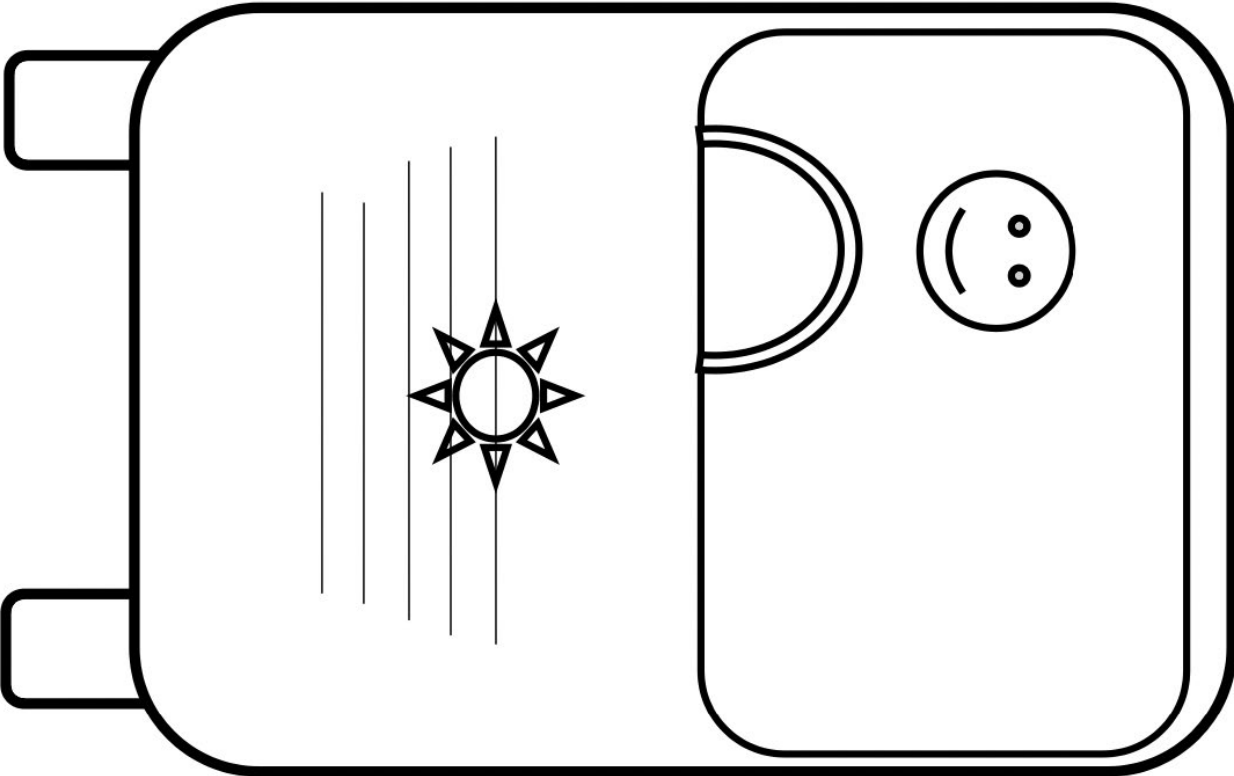
An A3 Pacific engine of 1928

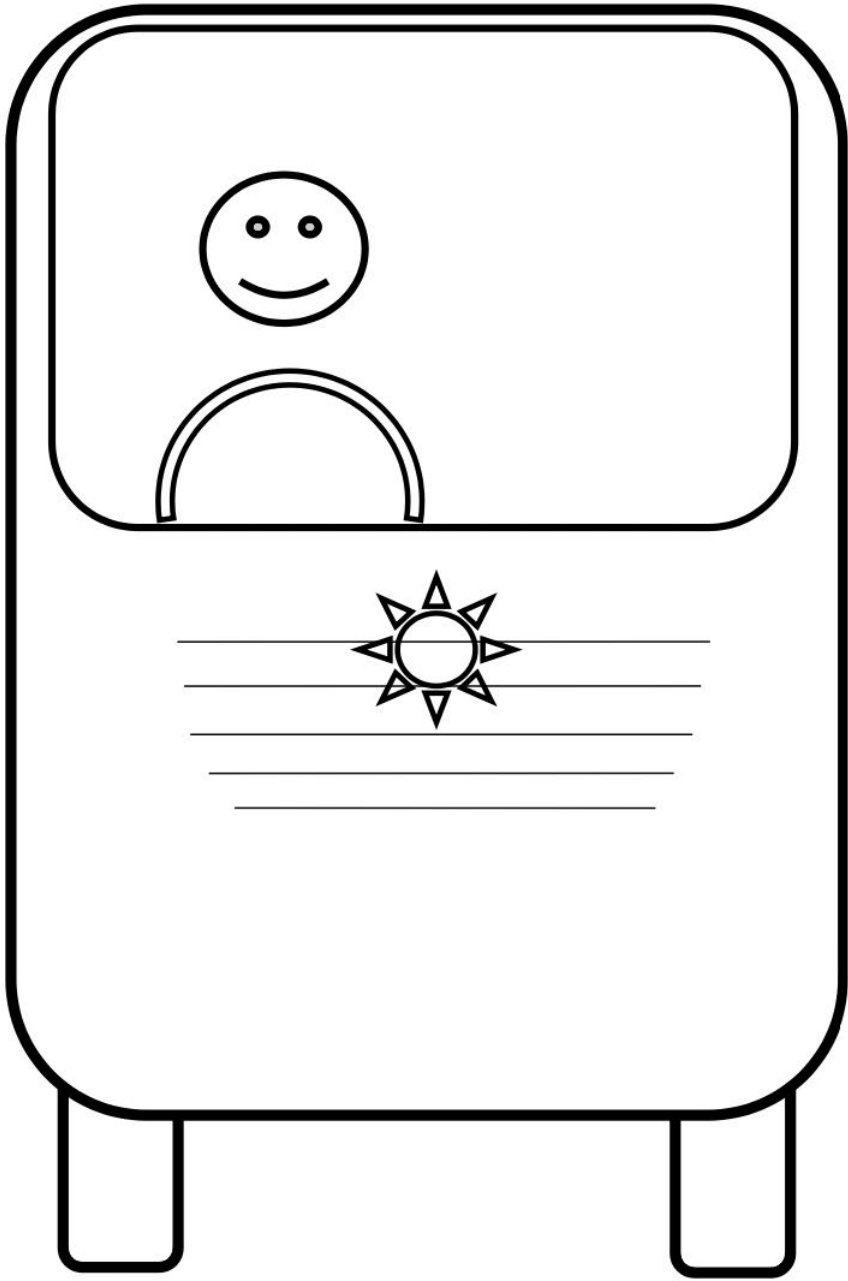


NER A4 Pacific engine of 1935  
(Note that the smoke is lifted clear of the cab due to its shape.)



A Japanese 'Bullet train' or 'Shinkansen'





# Activity Sheet 5



## Measuring the distance travelled by 'car' and 'lorry'

You are going to measure how far your car goes with nothing fastened to the front. Next, you will stick the flat A5 card from Activity sheet 3 to the front of your car to make it into a lorry and repeat the test.

What do you think will happen? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Force used with elastic band launcher: \_\_\_\_\_ Newtons.

No wind blowing

	Car	Lorry
Distance travelled 1		
Distance travelled 2		
Distance travelled 3		
<b>Average distance</b>		

Force used with elastic band launcher: \_\_\_\_\_ Newtons.

Wind blowing

	Car	Lorry
Distance travelled 1		
Distance travelled 2		
Distance travelled 3		
<b>Average distance</b>		