

# NADI SANGAM SCHOOL

## HOME STUDY PACKAGE 15

18 October - 22 October

### YEAR 7



## 2021

**1076 NADI SANGAM SCHOOL  
WEEKLY HOME STUDY PACKAGE 15**

**Subject: English**

**Year/Level :7**

**NOVEL**

Using your knowledge and understanding on the novel studied this year, answer the following questions.

**Title: MAKING GOOD – By Ian Serraillier**

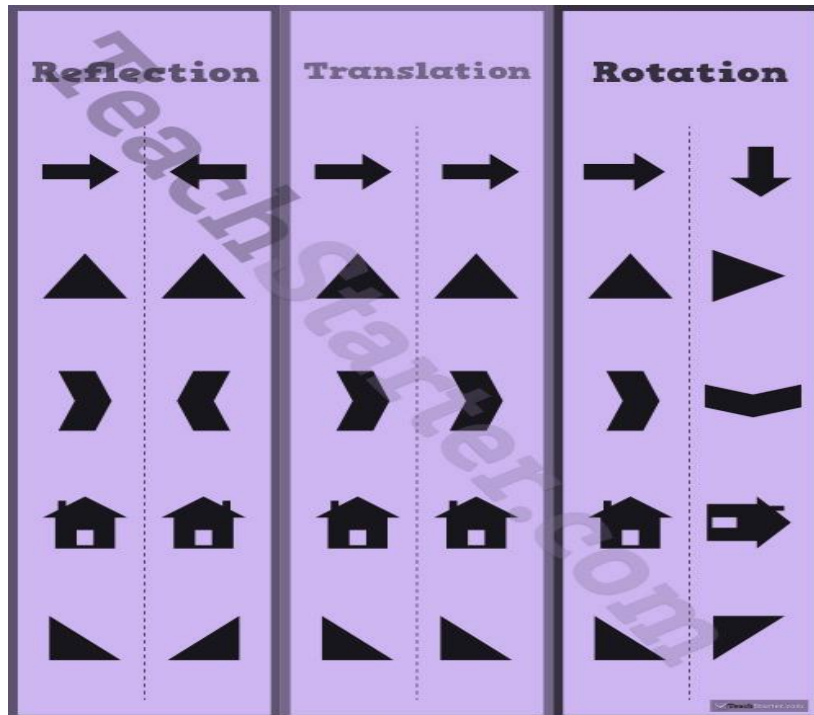
1. Who tried to break into the shop in Maiana?
2. Why did children at Maiana laughed at George?
3. How did Mr Glover taught arithmetic to George?
4. How did Bobo kill the shark that charged him
5. Write down at least two themes portrayed in this Novel.

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**WEEKLY HOME STUDY PACKAGE 15**

Subject: Mathematics

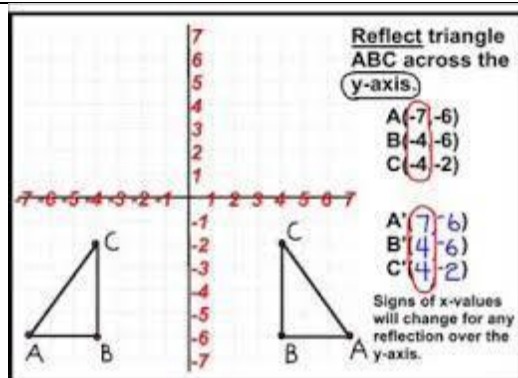
Year/Level : 7

<b>Strand</b>	<b>M 4: GEOMETRY</b>
<b>Sub Strand</b>	<b>M4.3 : REFLECTIONS, TRANSLATIONS AND ROTATION OF SHAPES</b>
<b>C L O</b>	Move shapes as per requirement.



## Reflection

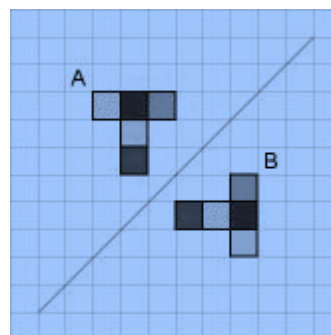
When we reflect a shape, we 'flip' it over a line of symmetry or 'mirror'. Reflections made easy in horizontal and vertical lines. Understand simply how to reflect shapes in vertical and horizontal lines.



### Reflect shapes in the lines $y = x$ and $y = -x$

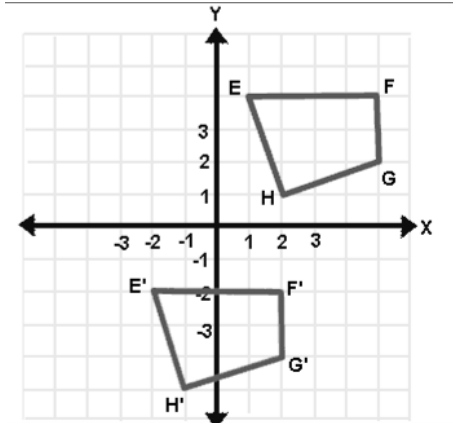
Reflection is taking the mirror image of a shape, where the mirror line is called the line of symmetry.

The mirror line does not have to be horizontal or vertical, it can also be diagonal.



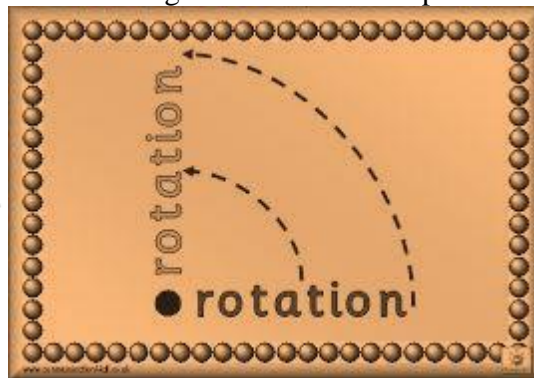
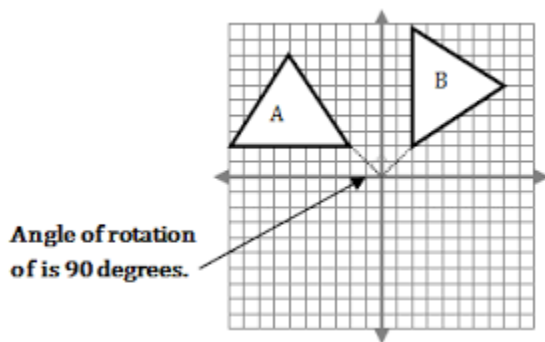
## Translation

We translate a shape by moving it up or down or from side to side, but its appearance does not change in any other way. When we translate a shape, each of the vertices must be moved in exactly the same way.

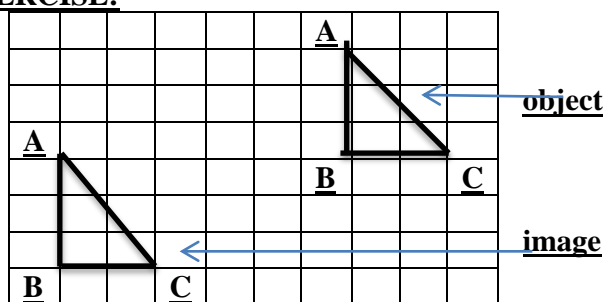


## Rotation

When we rotate a shape, we turn it a certain number of degrees around a fixed point.



### EXERCISE:



1. The image has been \_\_\_\_\_.
2. The shape is translated \_\_\_\_ units to the left and \_\_\_\_ units down.

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**YEAR 7**  
**BASIC SCIENCE**  
**WEEKLY HOME STUDY PACKAGE 15**

<b>STRAND</b>	<b>STRAND 4 EARTH AND BEYOND</b>
<b>SUB STRAND</b>	<b>THE SOLAR SYSTEM</b>
<b>CONTENT LEARNING OUTCOMES</b>	➤ <b>Define what the solar system is and state its components.</b>

**STRAND 4**

**EARTH AND BEYOND**

**The Earth and Our Solar System**

- The universe is a great empty space which consists of the **Solar System**, the galaxies, the sun, the moon and everything that is in it.
- **Earth** is where we live in.
- It is part of the solar system.
- The Solar System consists of the Sun, the planets and many other objects around it.
- Earth is the only planet that is known to **harbor life**.

**The Planets**

- There are now **eight** large planets in the Solar System.

**Terrestrial Planets**

- The inner four planets are called **terrestrial planets**.
- This includes Mercury, Venus, Earth and Mars.
- This is because all their surfaces are **rocky**.

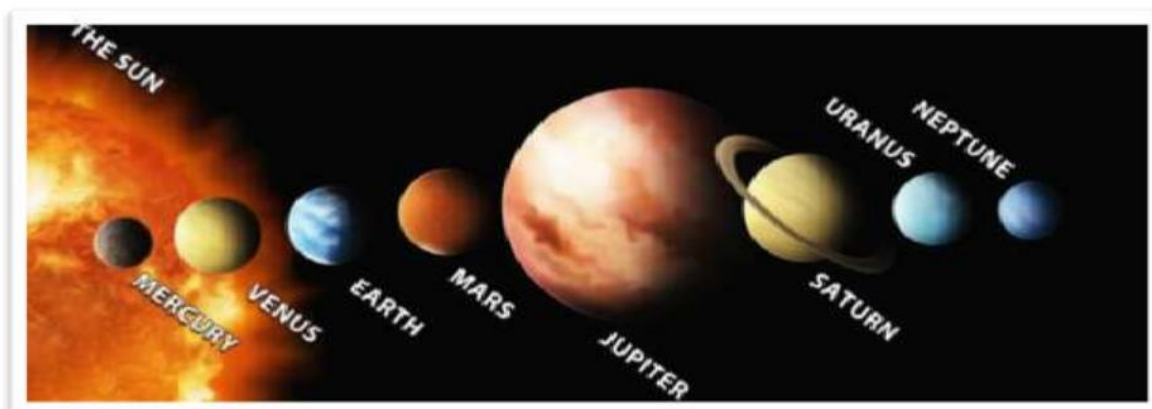
**Jovian Planets**

- The outer planets are called the **Jovian Planets**.
- This includes Jupiter, Saturn, Uranus and Neptune.
- They are all huge compared to the Terrestrial planets.
- They are also **gaseous**.
- They contain mostly **Hydrogen** and **Helium** gases.
- They are also called Gas Giants but Uranus and Neptune have more **ice** than gas.

### What Is The Solar System?

- The **Solar System** is a very great space that consists of the Sun, planets, the moons, comets, asteroids, minor planets, dust and gas.
- The most significant element of the Solar System is the **Sun**.
- Everything in the Solar System orbits or revolves around the Sun.
- The Sun contains 98% of all materials in the Solar System.
- The larger an object, the larger its **gravity** is.
- The Sun is so large and so its gravity is so huge that it attracts all other objects in the solar system towards it.
- At the same time, these objects try to fly away so they are trapped half way in between.
- This is the reason why they **orbit** or revolve around the Sun.

### **The Planets**



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**YEAR 7**

**SOCIAL STUDIES**

**WEEKLY HOMESTUDY PACKAGE 14**

**Hazard, Disaster and its Socio- Economic Environmental Impact**

- Hazard – is a danger or a risk.
- Disaster - a sudden event, such as an accident or a natural catastrophe, that causes great damage or loss of life.
- The Pacific is affected with natural hazards but not all the natural hazards occur in the region. The Natural Hazards that affect the region are:
  - Tropical cyclones /hurricanes
  - Flood
  - Earthquakes
  - Landslides
  - Tsunamis
  - Drought
  - Storm Surge
- The manmade disasters that affect the region are:
  - Fire
  - Deforestation
  - Pollution
  - Road Accidents

**BEING AWARE OF THE APPROACHING OCCURANCE OF NATURAL HAZARDS**

**Traditional Knowledge**

- For approaching tropical cyclones bee hives are found on the ground instead of being suspended or hanging from a tree.
- For tsunamis the low tide, extends further out to sea, beyond the normal shoreline of low tides.
- For approaching hurricanes and tsunamis the nocturnal birds are found flying in the day and rats are visible, dogs howl abnormally.

**Modern Machines**

- Seismograph– detects the shake of the ground (earthquakes)
- Anemometer – measures wind speed (tropical cyclone / hurricane)
- Barometer – measures air pressure (depression / tropical cyclone)
- Rain Gauge – measures rainfall (flood / drought)

**Activity:**

1. Collect pictures of these machines (use internet) and paste them into your book.
  - Seismographs
  - Anemometer
  - Barometer
  - Rain Gauge

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**YEAR 7**  
**HEALTHY LIVING**  
**WEEKLY HOME STUDY PACKAGE 14**

<b>STRAND</b>	<b>UNIT 36 ENVIRONMENTAL ISSUES</b>
<b>SUB STRAND</b>	<b>TYPES OF POLLUTION</b>
<b>CONTENT LEARNING OUTCOMES</b>	<ul style="list-style-type: none"><li>➤ <b>State what environmental issues we face</b></li><li>➤ <b>Explain the link of above issues to our daily lives</b></li><li>➤ <b>State ways of reducing global warming</b></li></ul>

**Environmental Issues**

- Environmental issues like pollution. Global warming, climate change, sea level rise, carbon emission and deforestation have become a major environmental issue through-out the world having catastrophic impact on the environment and on the people.

**Types of Pollution**

1. Air pollution – Major contributing to carbon emission and greenhouse effect – source – **fossil fuel burning, large industrial factories, vehicles**
2. Water pollution - is becoming a major for marine life as it significantly affects their habitat. Sources – **dumping of garbage, toxic waste disposal from industrial factories, oil spill**

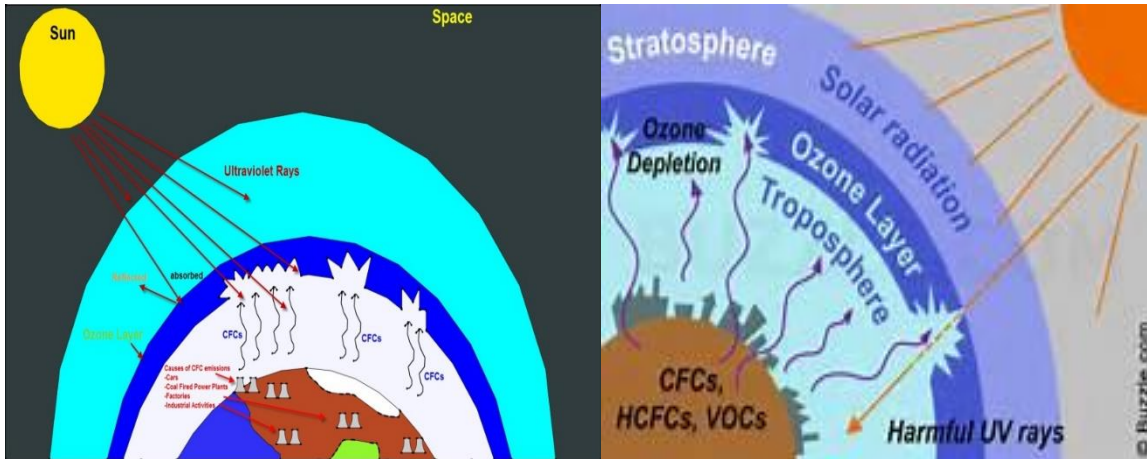


3. Land pollution - is also becoming a major threat for the environment – sources. **littering, dumping of waste and garbage carelessly**
4. Noise pollution - Excessive noise level annoying to ears and disturbing to peace. Sources – **loud music played on the radio, planes, vehicles,**



### Climate Change (Global warming)

- Climate Change is any significant change in the climate of the Earth
- These changes can be temperature, precipitation, wind, humidity, etc.
- The heat from the sun and a change in the Earth's orbit may affect the climate on Earth
- Human activities also contribute significantly towards climate change – example fossil fuel burning – can  
Affect the climate on earth
- Release of carbon emission and greenhouse gases are having a huge impact on the climate it heats the earth's 's surface temperature which leads to melting of glaciers in North and South pole thus the sea level rises



### ACTIVITY 3

What is climate change?

What causes climate change?

What are some other examples of human **activities** mentioned above?

Suggest some ways we can reduce climate change



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YEAR 7 - हिन्दी HINDI  
WEEKLY HOME STUDY PACKAGE 15

भाषा अभ्यास

नीचे के वाक्यों को 'ने, में, का, की, के, से, को' का प्रयोग करते हुए पूरा कीजिए ।

१. गांधी जी ----- 13 वर्ष ----- आयु ----- शादी की ।

२. गांधी जी ----- मां बहुत धार्मिक महिला थी ।

३. गांधी जी ----- दक्षिण अफ्रीका ----- लोगों ----- संगठित किया और अत्याचार -----  
विरुद्ध सत्याग्रह किया ।

४. गांधी जी ----- नाथूराम ----- बंदूक ----- मारा था ।

“ने, में, का, की, के, से, को” से नीचे के वाक्यों को पूरा कीजिए।

१. मनोज ----- मेरे बच्चे ----- क्यों मारा ।

२. उस ----- माँ ----- पूछा कि वे कब आएंगे ।

३. श्री चंद्र देव ----- ज्वाला प्रसाद ----- सीडीयू का रास्ता बताया ।

४. मैं ----- पिताजी ----- पूछा कि आप क्या खाएंगे ।

५. अनिल ----- पिछले सप्ताह शिव ----- सुवा शहर ----- देखा ।

६. अध्यापक ----- बच्चों ----- बेंच पर खड़ा कर दिया ।

७. मैं अगली छुट्टियों ----- अमेरिका जाऊंगा ।

८. मुझे आप ----- यह आशा नहीं थी ।

९. पिछले सप्ताह पिताजी ----- मुझे हिंदी ----- एक पुस्तक दी ।