

**1077 RAVIRAVI SANGAM SCHOOL**  
**Realigned Curriculum Weekly Home Study Package**  
**SOLUTIONS – SET 3**

**SUBJECT:** Mathematics

**SHOW ALL NECESSARY WORKING**

1. (a) Volume = length x width x height = 12cm x 5cm x 2cm = <b><u>120cm<sup>3</sup></u></b>	1. (b) Volume = length x width x height = 10m x 4m x 5m = <b><u>200m<sup>3</sup></u></b>	1. (c) Volume = length x length x length = 7cm x 7cm x 7cm = <b><u>343cm<sup>3</sup></u></b>
2. (a) $V = \frac{1}{2} \times \text{base} \times \text{height} \times \text{length}$ = $\frac{1}{2} \times 5\text{cm} \times 8\text{cm} \times 3\text{cm}$ = $\frac{1}{2} \times 40\text{cm}^2 \times 3\text{cm}$ = $20\text{cm}^2 \times 3\text{cm}$ = <b><u>60cm<sup>3</sup></u></b>	2. (b) $V = \frac{1}{2} \times \text{base} \times \text{height} \times \text{length}$ = $\frac{1}{2} \times 12\text{cm} \times 9\text{cm} \times 18\text{cm}$ = $\frac{1}{2} \times 108\text{cm}^2 \times 18\text{cm}$ = $54\text{cm}^2 \times 18\text{cm}$ = <b><u>972cm<sup>3</sup></u></b>	2. (c) $V = \frac{1}{2} \times \text{base} \times \text{height} \times \text{length}$ = $\frac{1}{2} \times 12\text{cm} \times 5\text{cm} \times 3\text{cm}$ = $\frac{1}{2} \times 60\text{cm}^2 \times 3\text{cm}$ = $30\text{cm}^2 \times 3\text{cm}$ = <b><u>90cm<sup>3</sup></u></b>
3. (a) Volume = Area of Cross Section x Length = $25\text{cm}^2 \times 10\text{cm}$ = <b><u>250cm<sup>3</sup></u></b>	3. (b) Volume = Area of Cross Section x Length = $20\text{m}^2 \times 15\text{m}$ = <b><u>300m<sup>3</sup></u></b>	3. (c) Volume = Area of Cross Section x Length = $30\text{cm}^2 \times 6\text{cm}$ = <b><u>180cm<sup>3</sup></u></b>

**SUBJECT:** English

**Part A**

- Recycling helps our planet by reusing things more than once. It saves energy and money.
- Around 80% of the millions of tons of wastes that are dumped at the landfills.
- Metals are used for making cans.
- By reducing, re-using and recycling.
- Recycling reduces pollution.

**Part B (ANSWERS WILL VARY)**

**SUBJECT:** Basic Science

- Food and vegetables are kept fresh by using a refrigerator.
  - We switch on the ceiling fans to keep our classroom cool during hot days.
  - The common source of energy used in our school is electrical energy.
  - It is a renewable energy source since we have hydroelectricity provided by Energy Fiji Limited.
  - Computers, photocopiers, air-conditioners, lights and fans use a lot of energy in school.
6. (a) solar (b) wind  
 (c) machines (d) renewable  
 (e) non-renewable

**SUBJECT:** Social Science

- Contamination is the process of making something unclean or dirty.
- Land, air and water contamination.
- By not dumping sewage waste in waterways and by having proper toilets at home.
- The solid and liquid wastes are separated and treated before being released.
- By not releasing waste products into the waterways.

**SUBJECT:** Healthy Living

1. Rules are there at home to ensure that we have peace and order at home.
2. Our parents / elders monitor the rules at home.
3. Schools have rules to protect the rights of students and to control their actions.
4. The village elders / advisory councillors / village headman monitor rules in the village.
5. If schools had no rules, students' attendance, discipline, safety and education will be affected.
6. (Answers will vary)

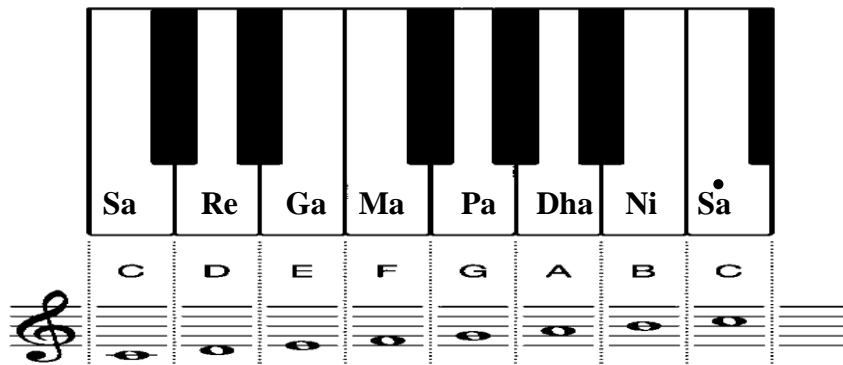
**SUBJECT:** Hindi (Hindi students ONLY)

- 1 महेश सदा प्रसन्न रहता था। उसका शरीर स्वच्छ था और कपड़े साफ थे।
- 2 रोहित स्भाव से बहुत चिड़चिड़ा था और सदा बीमार रहता था।
- 3 रोहित बीमार रहता था क्योंकि उसके घर-आँगन का वातावरण बहुत अस्वच्छ था।
- 4 मच्छर नालियों में जमे हुए गन्दे पानी में पलते हैं।
- 5 मच्छरों से डेंगू मलेरिया और फाइलारेसिस जैसी बिमारियाँ होती हैं।

**SUBJECT:** Physical Education

1. Examples of aerobic exercise include cycling, swimming, brisk walking, skipping rope, rowing, hiking, playing tennis, continuous training, and long slow distance training.
2. Anaerobic exercise includes weight training, functional training, eccentric training, interval training, sprinting and high-intensity interval training increase short-term muscle strength.
3. (i) Agility is the ability to move quickly and easily.  
(ii) Speed is the rate at which someone or something moves or operates or is able to move or operate.  
(iii) Flexibility is the ability of a joint or series of joints to move easily without breaking.
4. Practical – (Answers will vary)

**SUBJECT:** Music



**SUBJECT:** Art and Craft

(Answers will vary)