

AUTUMN BREAK VACATION HOME WORK (2026-27)

CLASS-VI

SUBJECT	HOME WORK
1.ENGLISH	Do in Grammar notebook (1) Write 5 proverbs on "Time" (2) Write names of 5 National Heroes and mention their field of achievement . E.g. Rabindranath Tagore - Literature
2.HINDI	1 आप छुट्टियों में क्या करना पसंद करेंगे ? इसके बारे में बताते हुए अपने मित्र को पत्र लिखिए A 2 अनुच्छेद लिखिए - 1 विद्यार्थी और अनुशासन 2 खेलों का महत्व
3. SANSKRIT	नीचे दिए गए शद्वरुप और धातुवरुप को व्याकरण काँपी में लिखकर याद करें। (व्याकरण कापी में) • शद्वरुप- मुनि, मति, नदी, साधु । तत् (तीनो लिंगों में) • धातुवरुप- दृश, स्था, त्यज्, स्मृ, (लट लङ् लृट्, लोट लकारे)
4.MATHS	Write the answers of the following in a separate holiday homework copy SECTION A: CASE STUDY BASED QUESTIONS Case Study 1: The Children's Triangular Eco-Park The municipal council designed a special triangular children's park named 'Green Haven' to promote eco-friendly play. The park is enclosed by three straight pathways meeting at vertices A, B, and C. The pathway AB measures 30 metres, BC measures 40 metres, and CA measures 50 metres. At corner A, the interior angle measures 53°, at corner B the angle measures 90°, and at corner C the angle measures 37°. Inside the park, the garden supervisor has marked different play zones and fenced the

perimeter with ornamental hedge plants.

(a) Classify triangle ABC based on the lengths of its sides and based on the measures of its angles.

- (i) Equilateral & Acute-angled (ii) Scalene & Right-angled
(iii) Isosceles & Right-angled (iv) Scalene & Obtuse-angled

(b) Calculate the total length of the hedge required to completely fence all three boundaries of the park (perimeter of triangle ABC).

- (i) 90 m (ii) 110 m (iii) 120 m (iv) 100 m

(c) Verify the 'Triangle Inequality Property' for the dimensions of this park (30 m, 40 m, and 50 m). State whether any two sides when added together are strictly greater than the third side.

Activity 2: Healthy Kitchen Smoothie Bar (Chapter - Ratio and Proportion)

Anand is a popular school canteen smoothie counter called 'Healthy Kitchen'. His signature energy smoothie, he blends 300 mL of pure orange juice with 450 mL of fresh mango pulp. For every batch of smoothies made, he adds 6 tablespoons of chia seeds and 9 tablespoons of rolled oats to ensure balance. On Sports Day, Anand needs to scale up his production to serve 1,200 mL of smoothie while maintaining the exact same flavor and consistency.

(a) Find the ratio of orange juice to fresh mango pulp in simplest (lowest) terms.

- (i) 3 : 4 (ii) 2 : 3 (iii) 3 : 2 (iv) 1 : 2

(b) Check whether the ratio of orange juice to mango pulp (300 mL : 450 mL) is in proportion with the ratio of chia seeds to rolled oats (6 tbsp : 9 tbsp). Show your calculation using the Product of Extremes and Means rule.

- (i) Yes, in proportion (ii) No, not in proportion
(iii) Cannot be determined (iv) None of these

(c) If Anand needs to make a large batch using 1,200 mL of orange juice, how much mango pulp must he blend with it to preserve the original ratio?

- (i) 1,500 mL (ii) 1,600 mL (iii) 1,800 mL (iv) 2,000 mL

(d) On Sports Day, a total of 75 litres of smoothie is prepared and distributed between Junior students and Senior

students in the ratio 2 : 3. Calculate the exact quantity of smoothie (in litres) received by each group.

Directions (For Questions 3 to 8):

(A) Both Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of Assertion (A).

(B) Both Assertion (A) and Reason (R) are true, but Reason (R) is NOT the correct explanation of Assertion (A).

(C) Assertion (A) is true, but Reason (R) is false.

(D) Assertion (A) is false, but Reason (R) is true.

Question 3

Assertion (A): A triangle can have sides measuring 4 cm, 5 cm, and 10 cm.

Reason (R): In any triangle, the sum of the lengths of any two sides must be strictly greater than the length of the third side.

Question 4

Assertion (A): Each angle of an equilateral triangle measures exactly 60° .

Reason (R): The sum of all three interior angles of any triangle is always 180° , and an equilateral triangle has three equal angles.

Question 5

Assertion (A): A triangle can have two right angles.

Reason (R): A right-angled triangle has one angle equal to 90° , and the sum of all three angles in a triangle is 180° .

Question 6

Assertion (A): The ratio of 25 cm to 2 m is 1 : 8.

Reason (R): Two quantities can only be compared by ratio when both are expressed in the same unit of measurement (1 m = 100 cm).

Question 7

Assertion (A): The numbers 4, 6, 8, and 12 are in proportion (i.e., $4 : 6 :: 8 : 12$).

Reason (R): Four numbers are in proportion if and only if the product of the extremes equals the product of the means (Product of extremes = Product of means).

Question 8

	Assertion (A): The ratio 3 : 5 is equivalent to the ratio 9 : 25. Reason (R): An equivalent ratio is obtained by multiplying or dividing both terms of the ratio by the same non-zero number. Question 9: Write and learn tables from 6 to 20 ?
5.SCIENCE	1. Frame 20 one - mark questions along with answer from chapter -9 (Structure and functions of living organism- Animals) 2.Learn question answer of chapter 9.
6.SOCIAL SCIENCE	1.” Samudragupta is known as the Napoleon of India” Justify it. 2.Who was Bhogpati? 3.give three examples of sculpture of Guptas. 4.Write the famous work of Kalidas. 5. Write the names of countries with which India had trade relation. 6.Which line of latitude passes through India? 7. Which two things separate Sri Lanka from India? 8.What is Indira point? 9.Some mountains are called young mountain. Mention one season to support it. 10.Write the names of three parts of Himalayas.
DRAWING	Topic: Trinetra (Eyes of Goddess Durga) with Alpana Border Task: Draw the iconic eyes and face of Goddess Durga (Trinetra) in the center of an A3 sheet, surrounded by a traditional Indian Alpana or Rangoli border pattern.