



INDIAN SCHOOL SOHAR
PERIODIC TEST II (2023-24)
MATHEMATICS

CLASS: VII
DATE: /01/2024

MAX. MARKS: 20
TIME: 40 MINUTES

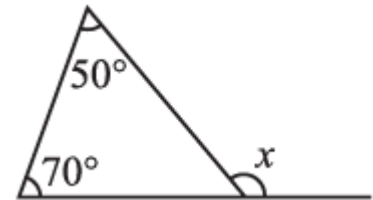
General Instructions:

1. This question paper contains four sections A, B, C and D. Each section is compulsory. However, there are internal choices in some questions.
2. Section A has 4 MCQs and 1 Assertion-Reason based question of 1 mark each.
3. Section B has 2 Very Short Answer (VSA) - type questions of 2 marks each.
4. Section C has 2 Short Answer (SA) - type questions of 3 marks each.
5. Section D has 1 Long Answer (LA) - type question of 5 marks.

SECTION – A

[This section comprises of multiple choice questions (MCQ) of 1 mark each]

1.	In a city, 30% are females, 40% are males and remaining are children. What per cent are children? a) 30% b) 40% c) 70% d) 65%
2.	The fraction form of 70% is: a) $\frac{3}{5}$ b) $\frac{5}{7}$ c) $\frac{7}{10}$ d) $\frac{5}{3}$
3.	Which of the following triplets can be the sides of a right angled triangle? a) 6, 7, 6 b) 7, 7, 7 c) 6, 8, 10 d) 6, 9, 10
4.	Find the value of x in the given figure: a) 120° b) 130° c) 70° d) 50°
5.	<p>A statement of Assertion is followed by a statement of Reason. Choose the correct option.</p> <p>Assertion: $3^2 + 4^2 = 5^2$</p> <p>Reason: In a right triangle, the square of the hypotenuse is always equal to the sum of the squares of the other two sides.</p> <p>a) Both Assertion and Reason are true and Reason is the correct explanation for Assertion. b) Both Assertion and Reason are true but Reason is not the correct explanation for Assertion. c) Assertion is true but Reason is false. d) Assertion is false but Reason is true.</p>



SECTION – B

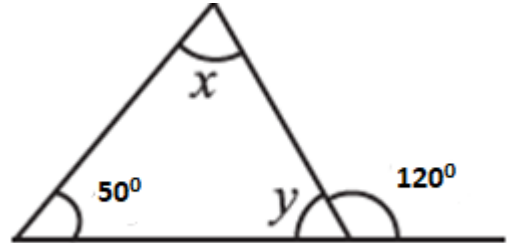
[This section comprises of very short answer type questions (VSA) of 2 marks each]

6. Out of 25,000 voters in a constituency, 40% voted. Find the number of voters who did not vote.

OR

Convert 15% to decimal number and also to fraction in the simplest form.

7. Find the value of x and y in the given figure:
Give reasons.



SECTION – C

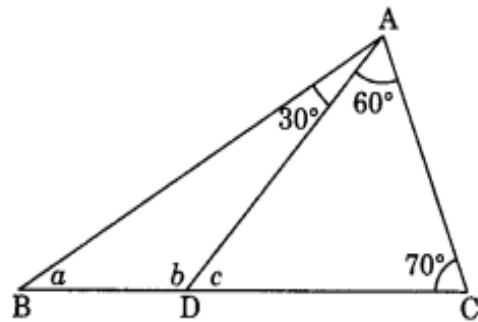
[This section comprises of short answer type questions (SA) of 3 marks each]

8. (a) Find 15% of 3000
(b) convert the ratio 1: 4 : 5 into percentage.

9. A tree is broken at a height of 5 m from the ground and its top touches the ground at a distance of 12 m from the base of the tree. Find the original height of the tree.

OR

Find the values of a , b and c in the given figure.
Give reasons.



SECTION – D

[This section comprises of long answer type question (LA) of 5 marks]

10. (a) Find the simple interest and amount when, Principal = ₹12000, Rate of Interest = 3% per annum and Time = 5 years.
(b) Asha bought a saree for ₹5000 and sold it for ₹5500. Find the gain percentage.

OR

(a) What rate gives ₹800 as interest on a sum of ₹4000 in 2 years and also find the amount to be paid at the end of the second year.
(b) Juhi bought a dress for ₹5000 and sold it for ₹3500. Find the loss percentage.
