

BUDHA DAL PUBLIC SCHOOL PATIALA
FINAL EXAMINATION (3 March 2026)
MATHEMATICS
Class - VI (Set - A)

Time Allowed: 3 hours

Maximum Marks: 80

Instructions:

1. All questions are compulsory.
2. Section - A : Q.No. 1 to 10 carry 1 mark each
3. Section - B : Q.No. 11 to 20 carry 2 marks each
4. Section - C : Q.No. 21 to 30 carry 3 marks each
5. Section - D : Q.No. 31 to 35 carry 4 marks each

SECTION-A

1. Which of the following fraction is the smallest?
a) $\frac{5}{9}$ b) $\frac{11}{9}$ c) $\frac{3}{9}$ d) $\frac{4}{9}$
2. A fraction whose numerator is less than denominator is called _____.
a) Improper fraction b) Proper fraction c) Mixed fraction d) None of these
3. Area is always measured in
a) given units b) cm c) m d) sq. units
4. What is the formula for finding the perimeter of regular pentagon?
a) $4 \times \text{side}$ b) $5 \times \text{side}$ c) $6 \times \text{side}$ d) $7 \times \text{side}$
5. Which of the following letter have both horizontal and vertical line of symmetry?
a) E b) X c) M d) K
6. How many line of symmetry of rhombus have?
a) 2 b) 4 c) 0 d) 1
7. The integer with negative sign is always less than
a) 0 b) -3 c) -1 d) -2
8. $-45 + 0 =$ ____
a) 0 b) 45 c) -45 d) 1
9. A ray has _____ end point.
a) 1 b) 0 c) 2 d) none of these
10. An angle which is greater than 180° but less than 360° is called _____.
a) Acute angle b) Obtuse angle c) Reflex angle d) none of these

SECTION-B

11. a) Express in mixed fraction $\frac{127}{9}$
b) Write two equivalent fraction of $\frac{5}{7}$
12. Represent the fraction on number line
a) $\frac{5}{7}$ b) $\frac{3}{5}$

Write the integer
a) -6, -11, 16, 2
b) Circle the
(i)

13. Write the order and angle of rotation of
a) Rectangle b) Equilateral triangle
14. a) Write two examples of symmetrical objects from daily life.
b) Name the quadrilateral having no line symmetry but having rotational symmetry.
15. What is the perimeter of regular hexagon having side 8cm.
16. The area of rectangular garden is 4800 cm^2 . If length is 80 cm find its breadth.
17. Compare the numbers $>$, $<$ or $=$
a) $-15 \square -12$ b) $9 \square -9$ c) $0 \square -1$ d) $15 \square -17$

18. Evaluate the following using token
 $11 + (-5)$

19. Use protractor to draw angles
a) 110° b) 135°
20. Classify the following angles as acute, obtuse or reflex angle
a) 36° b) 93° c) 192° d) 89°

SECTION-C

21. a) Compare the fraction $\frac{8}{3}$ and $\frac{5}{6}$
b) Express the fraction in lowest terms
(i) $\frac{72}{144}$ (ii) $\frac{75}{125}$
22. Arrange the fractions in Ascending order
 $\frac{3}{10}, \frac{7}{5}, \frac{4}{15}, \frac{9}{20}$
23. A floor is 5m long and 4m wide. A square carpet of side is 3m laid on the floor. Find the area of floor that is not carpeted.
24. A piece of string is 30 cm long. What will be length of each side if it is used to form
a) A square b) An Equilateral triangle c) A Regular hexagon
25. If possible, draw and write the name of triangle having
a) One line of symmetry
b) Two lines of symmetry
c) Exactly three lines of symmetry
26. Write the number of line of symmetry of following figure.
a) Scalane triangle b) Rhombus c) Parallelogram d) Regular Octagon
e) Circle f) Square

Write the integers in ascending orders

a) $-6, -11, 16, 20, -7$

b) Circle the integers which is to the left of number line

(i) $-3, 5$ (ii) $-13, -17$

c) Write the predecessor and successor of -36

28. Write True or False

a) The greatest negative integer is -1

b) Zero is greater than every negative integer

c) $-400 - (-120) = 280$

29. The hands of clock make different angles at different times. What will be angle formed at

a) 9 o'clock b) 4 o'clock c) 6 o'clock

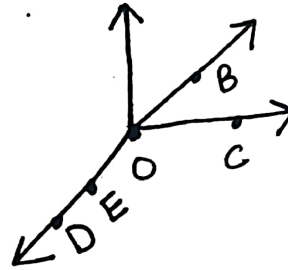
Also name the type of angle formed.

30. In the adjoining figure name

a) Five points

b) Four rays

c) Five line segment



SECTION-D

31. a) Kajal rode her bicycle $6\frac{1}{2} \text{ km}$ in the morning and $8\frac{3}{4} \text{ km}$ in the evening. Find the distance travelled by her altogether on that day.

b) Subtract $\frac{5}{8}$ from $6\frac{3}{4}$

32. Write 4 English alphabet having

a) horizontal line of symmetry

b) vertical line of symmetry

c) both horizontal and vertical line of symmetry

d) no line of symmetry

33. (i) Classify the triangle on the basis of sides

a) $6\text{cm}, 7\text{cm}, 9\text{cm}$ b) $9\text{cm}, 11\text{cm}, 9\text{cm}$

(ii) Classify the triangle on the basis of angles

a) $130^\circ, 20^\circ, 50^\circ$ b) $65^\circ, 85^\circ, 30^\circ$

Case Study - 1

34. Following is the list of score of five students in Quiz competition out of 50.

Aaryan	20 more than 0	_____
Kriti	30 more than 0	_____
Zoya	20 less than 0	_____
Arnav	10 less than 0	_____
Soya	50 more than 0	_____

Based on this information, answer the following questions:

- 1) Write the score of students in the form of integers
- 2) Who has least score?
- 3) Write the name of student whose score is highest?
- 4) Arrange the score in descending order.

35. A farmer has a rectangular field that measures field 20 m in length and 15 m in width. He plans to divide it into smaller equal size square plots of side 5m each.

Based on this information, answer the following questions:

- 1) What is the perimeter of rectangular field?
a) 300 m b) 70 m c) 200 m d) 196 m
- 2) What is the area of each square plot?
a) 24 m^2 b) 25 m^2 c) 20 m^2 d) 30 m^2
- 3) Formula to calculate area of rectangle is
a) $l + b$ b) $l \times b$ c) $2(l + b)$ d) $2(l \times b)$
- 4) If the farmer decide to increase the length of square plot to 6m, what will be perimeter of each plot?
a) 24 m b) 20 m c) 36 m d) 30 m