



ANGEL'S PUBLIC SCHOOL

SAMPLE PAPER

HALF YEARLY EXAM SESSION 2025 – 26

CLASS – VI

SUBJECT: MATHEMATICS

TIME: 3 HRS

M.M:80

General Instruction.

- (a) Section – A consists of 10 MCQ type questions of 1 mark each
- (b) Section – B consists of 10 questions of 2 marks each
- (c) Section – C consists of 6 questions of 4 marks each (Do any 5)
- (d) Section – D consists of 8 questions of 5 marks each (Do any 6)

SECTION – A

1. Whole numbers start from ? (10x1=10)
(a) 1 (b) 0 (c) -1
2. Which of the following is an improper fraction?
(a) 6 (b) $\frac{5}{6}$ (c) $\frac{8}{6}$
3. The multiplicative identity for whole numbers is _____.
(a) 0 (b) 2 (c) 1
4. Which of the following is a proper fraction?
(a) $\frac{5}{2}$ (b) 7 (c) $\frac{12}{5}$ (d) none of these
5. A binomial contains
(a) 3 terms (b) 1 term (c) 2 terms
6. When the terms have the different literal factors they are called _____.
(a) like terms (b) coefficients (c) unlike terms
7. The simplest form of $\frac{50}{25}$ is _____.
(a) $\frac{3}{1}$ (b) $\frac{2}{1}$ (c) $\frac{4}{2}$
8. $\frac{3}{8} + \frac{7}{8} =$ _____.
(a) $\frac{11}{8}$ (b) $\frac{10}{8}$ (c) $\frac{10}{16}$
9. In $-3x$ the literal factor is :
(a) 1 (b) -3 (c) x
10. Which of the following is not a monomial?
(a) $4xy+4$ (b) 4 (c) $6pqr$

SECTION – B

(10x2=20)

1. Represent $4 + 2$ on the number line.
2. Express $11/5$ as mixed fraction.
3. Write p^5 in expanded form.
4. Find out the base and the exponent of d^3 .
5. Find the sum of $5/7$ and $10/7$
6. Write down the terms of the algebraic expressions $5abc^2 - 2ab + 7a^2c$
7. Represent $8-4$ on the number line.
8. Find the product of $7/10$ and $5/4$
9. Convert the following into algebraic expressions 9 divided by 3.
10. $3/8 \div 15/35$

SECTION – C

(DO ANY 5)

(5x4=20)

1. Write three equivalent fractions of $4/3$.
2. Separate monomials, binomials and trinomials from the following
 $3x, -xyz, m+n, ab+2c, x+y+z, 2t+3q+x$
3. Find the sum of $2/5$ and $3/20$
4. Aanchal Verma bought $3/7$ Kg pea and $4/9$ kg wheat. How much total cereals did she buy?
5. Represent 6×2 on the number line.
6. What must be subtracted from $5 \frac{1}{6}$ to get $2 \frac{11}{18}$?

SECTION – D

(DO ANY 6)

(6x5=30)

1. Arrange the following in ascending order $4/5, 2/3, 1/2$.
2. For the given sequence (4,8,12,16) find (i) general rule (ii) nth term (iii) 100th term.
3. Simplify $6 \frac{3}{4} - 4 \frac{2}{3} + 1 \frac{7}{12}$
4. A vessel had $17/4$ litres of milk. Out of it, a cat drank $3/8$ litres. How much milk was left in the vessel?
5. Divide $2 \frac{5}{7}$ by $1 \frac{3}{7}$.
6. Compare the following $4/7$ and $14/21$
7. Rahul can walk $5 \frac{2}{5}$ Km in an hour. How much distance will he cover in $3 \frac{1}{3}$ hours?
8. Explain types of algebraic expressions.