



HALF YEARLY EXAMINATION (2025-26)
CLASS – VII
MATHEMATICS





Time Allowed: 3:00 hours

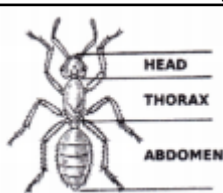
Maximum Marks:80

GENERAL INSTRUCTIONS:-

- 1. All questions are compulsory.**
- 2. Section A consists of 20 questions awarding 1 mark each.**
- 3. Section B consists of 8 questions awarding 2 marks each.**
- 4. Section C consists of 8 questions awarding 3 marks each.**
- 5. Section D consists of 4 questions awarding 5 marks each.**

S.NO	SECTION - A (20 × 1 = 20)	MARKS
	Choose the correct option	
1.	Which number is equivalent to 5,00,000 in the Indian number system? (a) Five lakh (b) Fifty thousand (c) Five crore (d) Five hundred	1
2.	What is the place value of 7 in 4,72,891? (a) 7,000 (b) 70,000 (c) 700 (d) 7,00,000	1
3.	Simplify: $15+3 \times 4$. (a) 72 (b) 27 (c) 48 (d) 33	1
4.	What is the value of $2.5 + 1.3$? (1 mark) (a) 3.8 (b) 3.6 (c) 2.8 (d) 4.8	1
5.	Simplify: $(8 \times 2) + 4 - 3$. (a) 17 (b) 10 (c) 15 (d) 18	1
6.	25 can also be expressed as- (a) 2 tenth and 5 hundredth (b) 25 tenth (c) 25 thousandth (d) none of these	1
7.	$125 \div (-25)$ is equal to (a) 1 (b) -1 (c) 5 (d) -5	1
8.	A pair of integers whose sum is (-5) is (a) 1,-4 (b) 1, 6 (c) -3,-2 (d) 0,5	1

9.	Pictorial representation of $3 \times (2/3)$ is; (a)  (b)  (c)  (d) 	1
10.	$4/5$ of 5 kg apples were used on Monday. The next day $1/3$ of what was left was used. Weight (in kg) of apples left now is (a) $2/14$ (b) $1/14$ (c) $2/7$ (d) none of these	1
<u>FOR EACH OF THE FOLLOWING STATEMENTS, WRITE (T) FOR TRUE AND (F) FOR FALSE:</u>		
11.	-10 is greater than -7.	1
12.	The reciprocal of an improper fraction is an improper fraction	1
13.	A place value increases 100 times as we move left in the Indian system.	1
14.	Subtraction is commutative for all numbers.	1
15.	Between any two decimal numbers, only one decimal number exists	1
<u>ONE – WORD ANSWER TYPE QUESTION:</u>		
16.	Additive inverse of (-15) is ____	1
17.	Simplest form of $225/300$ is _____	1
18.	Expression for “ twice of five more than thrice a number ” _____	1
19.	The difference between place value and face value of 9 in 39,84,215 is ____	1
20.	twenty five tens fourteen ones 32 tenths 19 hundredths = _____	1
<u>SECTION B (8 X 2 = 16 marks)</u>		

21	Write 7,89,45,123 in words using the Indian number system	2
22	Simplify: $20/4 + 6 * 2$	2
23	Convert 3.75 into a fraction in its simplest form.	2
24	Solve the following: (i) $(-15) \times 8 + (-15) \times 4$ (ii) $[32 + 2 \times 17 + (-6)] \div 15$	2
25	The weight of an object on the Moon is $1/6$ its weight on the Earth. If an object weight 535 kg on the Earth. How much would it weigh on the Moon?	2
26	The product of two numbers is 2.0016. If one of them is 0.72, find the other number.	2
27	On a number line , show 9.876.	2
28	Make necessary reasonable assumptions and answer the following questions: (a) If a computer processes 1,000 files per minute, can it process 1 crore files in a day? (b) If a person drinks 3 litres of water daily, can they drink 1000 litres in a year?	2
<u>SECTION C (8 X 2 = 16 marks)</u>		
29	A calculator has only '+1,000', '+100', and '+10' buttons. Write an expression describing the number of button clicks to be made for the following numbers: a)2,140 b)10,500 c)7,53,020	3
30	Queen Alia gave 100 gold coins to Princess Elsa and 100 gold coins to Princess Anna last year. Princess Elsa used the coins to start a business and doubled her coins. Princess Anna bought jewellery and has only half of the coins left. Write an expression describing how many gold coins Princess Elsa and Princess Anna together have.	
31	a) Fill in the blanks with numbers and boxes by signs, so that the expressions on both sides are equal. b) $(5 - 2) \times 7 = 5 \times 7 - 2 \times \underline{\hspace{2cm}}$ c) $3 \times (\underline{\hspace{2cm}} + 4) = 3 \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$ d) $5 \times (12 - \underline{\hspace{2cm}}) = \underline{\hspace{2cm}} \boxed{\hspace{1cm}} 5 \times \underline{\hspace{2cm}}$	
32	Read the situations given below. Write appropriate expressions for each of them and find their values. (a) The vishu mega mart operates on all seven days of the week. mohit supplies 10 kg of mangoes each day from his orchard, and rohit supplies 11 kg of mangoes each day from his orchard to this market. Find the number of mangoes supplied by them in a week to the local district market. (b) Reshma earns ₹ 5,00,000 per month. She spends ₹ 5,000 on rent, ₹ 5,000 on food, and ₹ 20,000 on other expenses every month. What is the amount she will save by the end of the year?	
33	 <p>The lengths of the body parts of an ant are as follows: Head = $(1 \frac{4}{10})$ units, Thorax = $(2 \frac{6}{10})$ units Abdomen = $(3 \frac{7}{10})$ units. Find its total length of the ant. Also find largest body part.</p>	

34	Convert as per given instructions. a) 26mm into decimeter. b) 225gm into Kg. c) 175 ml into litre	
35	In a class test (+3) marks are given for every correct answer and (-2) marks are given for every incorrect answer and no marks for not attempting any question: (i) Radhika scored 20 marks. If she has got 12 correct answers, how many questions has she attempted incorrectly?	
36	A car runs 16 km using 1 litre of petrol. How much distance will it cover using i) $2\frac{3}{4}$ litres of petrol and. ii) $2\frac{1}{8}$ Litre of petrol.	
	<u>SECTION D (4 X 5 = 20 marks)</u>	
37	The population of a city is 12,34,56,789. If 2,34,567 people move out and 1,45,678 people move in, what is the new population? Show all steps. Also write the answer in words aswell.	5
38	Solve - i) $12\frac{6}{100} - 2\frac{1}{100} - 9\frac{10}{100}$ ii) Arrange in ascending order - a) 11.01, 1.011, 1.101, 11.10, 1.01 (b) 2.567, 2.675, 2.768, 2.499, 2.698	5
39	Find the values of the following expressions. For each pair, first try to guess whether they have the same value. When are the two expressions equal? (a) $(6 + 10) - 2$ and $6 + (10 - 2)$ (b) $16 - (8 - 3)$ and $(16 - 8) - 3$	5
40	Bald eagles are known to fly as high as 4500 – 6000 m above the ground level. Mount Everest is about 8850 m high. Aeroplanes can fly as high as 10,000 – 12,800 m. How many times bigger are these heights compared to Somu's building? (hight of building = 44 m)	5