

Please fill the following details immediately Name: _____

Hall Ticket No.:__

✤ 50 Questions

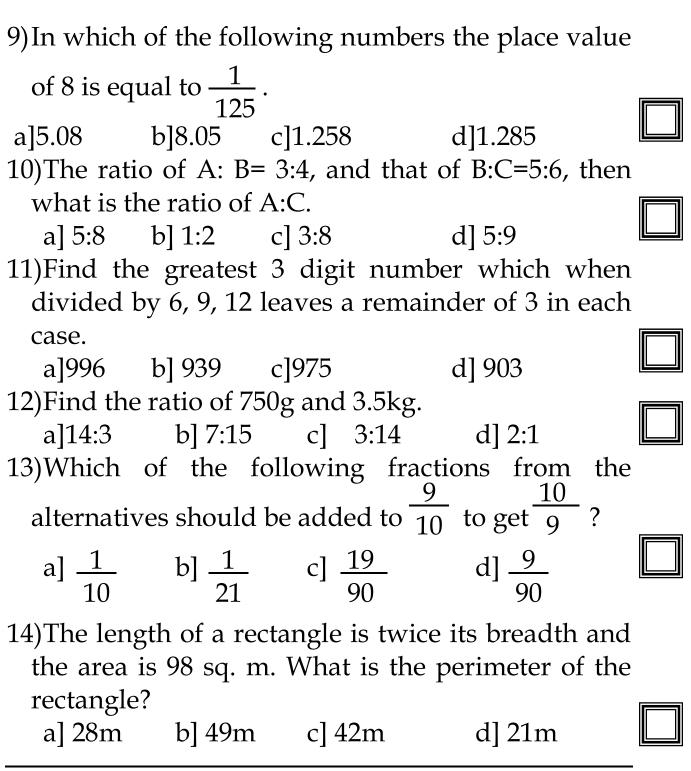
✤ Time Allowed : 120 Minutes ◆

- Do not open this question paper until the signal is given.
- Please check the CLASS printed on the cover page and the inside is same when you open the booklet.

General Instructions:

- 1) All questions are compulsory and carry equal marks.
- 2) There is no negative marking.
- 3) There is only one correct answer hence write one choice only.
- 4) Please avoid cutting/ overwriting etc.
- 5) Return the paper to the invigilator at the end of the examination.
- 6) Write the correct option in the given box.

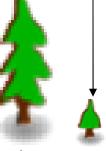
1)Find the sum of all integers from (-100) to (+100).				
a]200	b] 100	c] 2	d]0	
2)The place	e value of dig	it 2 in the nui	mber 6.802 is	
a]2	b] 0.02	c] 0.002	d] 100	
3)Out of fo	our numbers,	average of t	he first three i	S
16 and th	e last three is	s 15. If the las	st number is 18	,
first num	ber is	•		
a] 21	b] 23	c]20	d]25	
4)The sum	of the digits	s of a two di	git number is a	8
and the	product of the	he digits is 1	12. What is the	е
difference	e between the	e digits of tha	t number?	
a]4	b]6	c]8	d] 1	
5)If 168x54	=9072, then 0).168x540=		
a] 9.72	b] 90.72	c] 9.072	d]907.2	
6)0.5 =	6)0.5 =			
a] 50%	b]25%	c] 5%	d]0.5%	
7)(45) ³ = 5 ³ x3 ^x . Find the number in the place of x				
a]3	b] 6	c]9	d]5	
8) In \triangle ABC, m \angle B =60° and m \angle A = m \angle C. State the				
name of that triangle				
	eral triangle	bl Scalene ti	riangle	
–	Ũ		e	
c] Isosceles triangle d] right angled triangle ROUGH WORK				



15) The average of two numbers is M. If one of the numbers is N, then the other number is b] 2N-m c] 2M+Nd] 2M- N a]2N 16)If six trays contain 132 eggs, how many does four trays contain? a]85 c]87 d]88 b] 86 17) If m is a prime number , then the L.C.M of m and m+1 will be: b] m (m+1) c] (m+1)² d]2 m(m+1) a] m^2 18)Which of the following is an irreducible fraction? a] $\frac{105}{112}$ b] $\frac{66}{77}$ c] $\frac{46}{63}$ d] $\frac{51}{85}$ 19) Archana plays cricket every 7th day and plays football every 5th day. She played both cricket and football on 17th May. What is the next date when she will play both games? a]29th May b]21st June c]12th June d] 20th June 20) O + O + O + O = 64 $O + \Delta$ = 34 $O + O + \Delta + \Delta + \Delta =$ b] 120 c]86 d] 102 a] 98

21)Today a train travelling at the speed of 30 km/h leaves the station at 2 PM. Another train leaves the station at 4 PM. If the second train travels at a speed of 50 km/h, then at what time will it catch up to the first train?

a] 8 P.M b] 5 P.M c] 7 P.M d] 6:30P.M 22)Usha's parents planted a tree on her birth. If tree grows 5cm per year, what is Usha's age today



Ļ

70cm

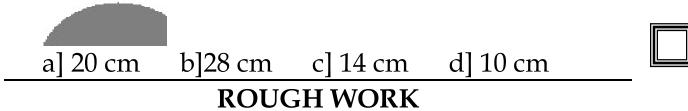
Today Birth

a] 7 years b] 10 years c] 14 years

d]16 years

23)If perimeter of following semi-circular shape is 72

c. its diameter = _____cm (assume $\pi = 22/7$).



24) The sides of a square is (3a-5b) cm. What will be its perimeter?

a] 60 ab cm b] 12a-20b cm c] 6a-10 b cm d] 12a+ 20b cm

25) If $\frac{1}{4}$ of the pencil is red, $\frac{1}{2}$ the remaining black and the rest is green. How much part of the whole

is green?

a] $\frac{5}{8}$ b] $\frac{3}{8}$ c] $\frac{1}{2}$ d] $\frac{1}{4}$

26) A cycle wheel has 45 spokes. What is the angle between a pair of adjacent spokes?

a] 3° b] 8° c]13° d]10°
27)The temperature in Shimla was 4°C in the afternoon but at midnight the temperature fell by 10°c. What is the temperature recorded at mid night?

a] 14°C b] 6°C c] - 6°C d] -2°C
28) If the perimeter of a figure formed by joining two regular pentagons of same size is 56 cm. Find the length of each side.

a] 5.6 cm b] 6 cm

c] 4 cm d] 7 cm

29)The sum of the place values of all the digits in the number 43.81 is					
			JI 1 70	1	
-	-	-	d] 4.38		
/ 0		tangle are :			
a]equal	to each ot	her	b]not equal		
c] one is	s double of	the other	d] none of the	ese 🗳	
31)By sell	ing 100 p	encils a sho	opkeeper gai	ns the	
	· -		s. Find the		
percenta	-	1			
	0	c] 15%	d] 10%		
				thic	
32) 3+33+333+3333++3333333333333. In this					
addition which digit is there at the hundred's					
place?					
a] 0	b] 3	c] 6	d] 9		
33) Maximum number of right angles in a right					
angled triangle are					
U	U		11.0		
—	b] 1	_	d] 0		
34)The square of 1.2 is					
a] 144	b] 1.44	c] 14.4	d] 2.4		
ROUCH WORK					

(Std.7-CMO-9-)

35)A quadrilateral which has 2 pairs of equal adjacent sides but unequal opposite sides is called b]rhombus a]parallelogram d]square c]kite 36)What is the length of the diagonal of a rectangle having dimensions 3 cm and 4 cm? b] 7 d]4 c] 1 a| 5 37)The simple interest on a sum for 5 years is $\frac{2}{5}$ of the sum. The rate percent per annum is _ c]6% b] 8% d]12% a]10% 38)The angle which is equal to its supplement is c] 180° d] 60° a] 90° b]45° 39) A farmer built a fence around his square plot. He used 27 fence poles on each side of the square. How many poles did he need altogether ?

a] 100 b] 104 c]108 d] 112

40) Shilpa introduces Vinayak as the son of the brother of her mother. How is Shilpa related to Vinayak? a] Daughter b] Nephew c] Cousin d] Aunt

41) The product of two digit number is 2688. If the product of their units digit is 48 and their tens digits is 20, then the numbers are d] 56, 48 b] 58, 46 a] 44, 56 c] 68, 54

42) The ratio of speed of two bikes is 3:4. If first bike covers a distance of 160 km in 4 hours, then how much distance will second bike cover in 3 hours?

a] 140 km	b] 160 km	
c] 170 km	d] 150 km	
43)The smallest possible	decimal number up to 4	
decimal places is		

a] 0.1111 b]0.0999 c] 0.0019 d] 0.0001

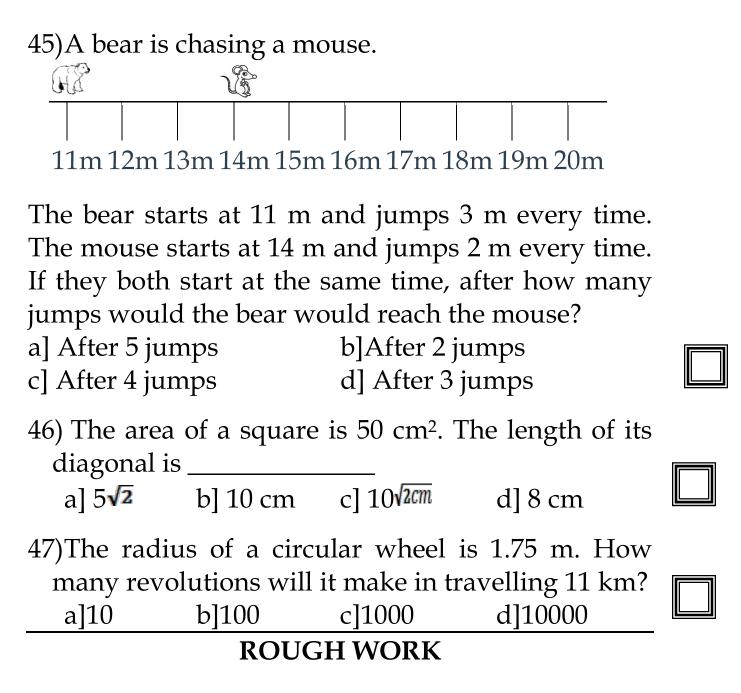
44)What should	be added to 2.	.06 to get 3.1?
----------------	----------------	-----------------

a] 1.4 b] 1.24 d] 1.08 c|1.04

ROUGH WORK







48)The algebraic expression of the statement "Fourfifth of *x* multiplied by the difference of y and a" (Assume that y is less than a)

a] <u>4</u> x (a–y)	b] $\frac{4}{5}$ (a – xy)
c] $\frac{4}{5(xa - y)}$	d] <u>4</u> x (y-a)

49) If (9 ♣ 1)² = 100 and (4 ♣ 7)² = 121, find the value of (3 ♣ 8)².
a] 33 b] 121 c] 24 d] 88

50)Vinita can type 28 words per minute. At this rate, how many words can Vinita type in 5.5 minutes? a] 154 b] 157 c] 159 d] 162

