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SAMPLE PAPER MATHEMATICS-01

1.	What must be multiplied by 7 to get 700?				
	(a)	70	(b)	700	
	(c)	10	(d)	100	
2.	1 x 1	+ 2 x 2 + 3 x 3 + 4 x 4 =?		$\sim \sim $	
	(a)	25	(b)	30	
	(c)	26	(d)	35	
3.	Find t	the square root of $\frac{729}{81}$.		\sim	
	(a)	3	(b)	27	
	(b)	9	(d)	21	
4.	Find t	he ratio of 90 cm to 1.5 m.			
	(a)	3:5	(b)	5:3	
	(c)	4 :5	(d)	5:4	
5.	A boo	k seller got Rs 97 and 75 paisa for sel	ling the	e books at rate of 85 paisa	

5. A book seller got Rs 97 and 75 paisa for selling the books at rate of 85 paisa per book. Find the number of book sold by him.

(a)	125	(b)	105
(c)	115	(d)	135

6. A person has three iron rods, whose length are 10, 15, 20 m respectively He wants to cut longest piece each of three rods. What is the length of each piece if it is cut without any wastage?

(a)	10	(b)	5
(c)	15	(d)	None of these

7. What should be added to 70° to make it a right angle?

(a)	20°	(b)	6 <i>0</i> °
(c)	8 <i>0</i> °	(d)	None of these

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Reduce 18 hectometers 7decametres, 5metres and 80 centimeters into 8. millimeters.

(a)	1875800 mm	(b)	1870580 mm
-----	------------	-----	------------

(b) 1875008 mm (d) 1875080 mm

9. If Rs360 becomes Rs436.60 in 3 years then what will be a sum of Rs700 in 7 years?

(a)	Rs 1200	(b)	Rs 1080
-----	---------	-----	---------

Rs 1260 (c) Rs 1043 (d)

10. Convert 45°c into Fahrenheit scale.

- ----

(a)	114	(b) (d)	116
(c)	112	(d)	113

A, B and C have a total of Rs1771. The ratio of the money between A and B is 11. 5:7. If C has Rs 571, Then calculate A's and B's shares.

(a)	500, 700		(b)	800, 400
(c)	450, 750	CXU.	(d)	650, 550

A number is multiplied by 15 and then added to 50. The result is 155. Find the 12. number.

(a)		(b)	7
(c)	6	(d)	5

If the side of a square is increased by 25% than its area is increased by . 13.

(a)	56.25%	(b)	25%

50% (d) 40.25% (b)

Suni's income is 25% more than Anil's income. Anil's income is less than Sunil's 14. income by

(a)	20%	(b)	$16\frac{2}{3}\%$
(c)	25%	(b)	30%

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15. The average age of 50 persons is 60 years. In which 10 persons with average 55 years are replaced by 10 persons whose average age is 58 years? Find the new average.

- (a) 50 years (b) 60.6years
- (c) 60.5years (d) 60.4years

16. By what number should $1\frac{1}{2}$ be divided to get $\frac{2}{3}$?

(a)	$\frac{4}{9}$	(b) 1
(c)	$1\frac{2}{3}$	(d) 2

17. Rakesh completes one round of a running track in 8 minutes and Saroj completes it in 6 minutes. How long will it take for both to arrive again at their starting point together, if they start running at the same time and maintain their speed?

2

(a)	26 minutes	(b)	27 minutes
(c)	24 minutes	(d)	30 minutes

18. If average of the following marks obtained by the students of class 5th is 35. 26, 45, 35, 44, 50, 20, X, 25 and 30. Find the unknown marks X?

(a)	46	(b)	44
(c)	40	(d)	45

19. A person travelling by train crosses tunnel in 4.5 minutes. If speed of the train is 36 km/hr, then find the length of the train.

(a)	2500	(b)	2600
(c)	2400	(d)	2700

20. The ratio of two angles of right angled triangle is 4:5, then find the value of both acute angles. Triangle.

(a)	40°	55°	(b)	40°	50°
(c)	45°	45°	(d)	60°	30°

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21. Ramesh spend 15% of his income on hose rent and 20% on food. If his monthly income is Rs7000,than how much total money does he spend on his house rent and food?

(a)	Rs 1050, Rs 1450	(b)	Rs 120 Rs 5,1200
(c)	Rs1035, Rs 1200	(d)	Rs 1050, Rs 1400
The r	ratio 2 : 5 as percent is		
(a)	4%	(b)	20%
(c)	0.4%	(d)	40%

23. The average of 11 result is 18. That first five is 17 and that of the last 5 is 20.what is the 6^{th} result?

(a)	13	(b)	12
(c)	10	(d)	15
What	percent of 1 day is 6 hours?		
(a)	20.5%	(b)	25%
(c)	30%	(d)	20%

22.

24.

25. Mrs. Sharma's office starts at 9:50 am and close 7:10 pm. find the time duration of her office.

(a)	9:20	(b)	9:25
(c)	9:45	(d)	9:30

26. A vendor bought oranges at 5 in a rupee. How many oranges must he sells in a rupee to gain 25%?.

(a)	6	(b)	4
(c)		(d)	8

27. Raghu scored 18 out of 20 in the Math test. His friend Ramesh scored 22 out of 25 in the English test. Who scored more and by how much?

(a)	Ramesh, 90.5%	(b)	Raghu, 90%
(c)	Both are equal	(d)	None of these

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28.	The area of circle is 154sq cm. Find its radius and circumference.			
	(a)	R=7cm, C=44cm	(b)	R=14cm, C=46cm
	(c)	R=14cm, C=44cm	(d)	R=7cm, C=46cm
29.	ABCD	is parallelogram. If angle B= 120°, and	gle C=	60°. Find angle D
	(a)	180°	(b)	60°
	(c)	120°	(d)	90°
30.	Simp	lify-: 9 of 600 -{(14 of 650 - of 50) ÷3	3 + 4 c	of 250}
	(a)	1600	(b)	144km/hr
	(c)	1400	(d)	154km/hr
31. 89,25		population of city increases 5% per a nat was the population in 2015?	innum.	If in 2016, its population is
	(a)	8000	(b)	8500
	(c)	8400	(d)	8540
32.	The c	ost of 10 chairs is same as the cost o	f 6 tat	oles. If one table costs Rs400.

32. The cost of 10 chairs is same as the cost of 6 tables. If one table costs ks400. Then find the cost of 10 chairs and 3 tables.

(a)	Rs 3600	(b)	Rs 3500
(c)	Rs 2400	(d)	None of these

33. A shop has 7cm length, 5cm breadth and 2.5 cm height. How many shop can be placed in a cardboard box whose length, breadth and height are 56cm, 40cm and 25cm respectively.

(a)	645	(b)	650
(c)	630	(d)	640

. .

Kavita bought some books one pen and pencil for Rs 48.75, Rs 9.50 and Rs 34. 4.75 respectively. How much did she spend in all?

(a)	Rs 65	(b)	Rs 60
(c)	Rs 62	(d)	Rs 63

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35. A factory manufactured 82 cycles per day. If a year has 82 holiday. How many cycle will be manufactured in one year?

- (a) 23106 (b) 23206
- (c) 23026 (d) None of these

36. Which least number should be added to the least number of four digits so that resultant number is divisible by 89?

- (a) 110 (b) 40
- (c) 68 (d) 178

37. Two angles of a quadrilateral are each 90° and remaining two angles are such that one is 3 times the other. Find these two angles.

(a)	45° 135°	(b)	45° 130°
(c)	35° 135°	(d)	34° 136°

38. A girl spends half of her money in one store and half of the rest in another store thus Rs 2.00 are left with her. How much money did she have initially?

(a)	Rs 12	(b)	Rs 10
(c)	Rs 9	(d)	Rs 8

39. Find out the largest four digits number which is fully divisible by 88.

(a)	9988	(b)	9944
(c)	9966	(d)	9922

40. The capacity of container of two types of container is 17.5 liters and 15.5 liters respectively. How much water will be required to fill 12 tin of first type and 15 tin of second types?

(a) 2:	10liter, 232.5liter	(b)	215liter, 233.5liter
(c) 2:	15liter, 223.5liter	(d)	205liter, 223.5liter
Simplify	$-: \frac{3}{4} + \frac{5}{8} \div \frac{1}{2} - \frac{1}{4}$		
(a)	2 9	(b)	<u>5</u> <u>4</u>
(c)	<u>5</u> 8	(d)	$\frac{7}{4}$
	(c) 2: Simplify (a)	(c) 215liter, 223.5liter Simplify-: $\frac{3}{4} + \frac{5}{8} \div \frac{1}{2} - \frac{1}{4}$ (a) $\frac{2}{9}$	(c) 215liter, 223.5liter (d) Simplify-: $\frac{3}{4} + \frac{5}{8} \div \frac{1}{2} - \frac{1}{4}$ (a) $\frac{2}{9}$ (b)

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7 42. Find the value of 0.854+0.64 (a) 1.449 (b) 1.494 (c) 0.918 (d) None of these What percentage is 200 gm. of 4.5 kg? 43. (a) 4.5% (b) 2.5% (c) 4.4% (d) 2.2% 44. Find the number that comes after next. 2, 6, 12, 20, 30, (a) 42 40 (b) (c) 44 (d) 48 If 8 men can dig a well in 18 days, then the number of days 12 men will take to 45. dig the same well be. (a) 10 days (b) 12 days 16 days (b) 8 days (d) A man bought a car for Rs 60,000 and spent 10% of the cost of the car for 46. purchase of new tyres. At what price should he sell the car to make a gain of 15%?

(a)	Rs 73500	(b)	Rs 74500
(c)	Rs 79500	(d)	Rs 75900

47. Find the square of 0.03.

(a)	0.0009	(b)	90
(c)	0.009	(d)	0.09

48. X, Y, Z, can do a piece of work together in 10 days. If X alone can do it in 40 days, Y alone can do it in 30 days, then Z alone will do the same work in

(a)	14 days	(b)	26 days
(c)	24 days	(d)	20 days

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49. Sita has 42 toffees with her. She has to distribute them among her 6 friends equally. How much will each of her friends get?

- (a) 2 (b) 7
- (c) 4 (d) 8

50. Product of two prime numbers is 117. Their L.C.M should be

- (a) 117 (b) Cannot calculated
- (c) 1 (d) Equal to their H.C.F

ANSWER KEY SAMPLE PAPER-01

Q. No	Ans								
1.	D	2.	В	3.	Α	4.	Α	5.	С
6.	В	7.	Α	8.	A	9.	С	10.	D
11.	Α	12.	B	13.	Α	14.	Α	15.	В
16.	D	17.	С	18.	С	19.	D	20.	В
21.	D	22.	D	23.	Α	24.	В	25.	Α
26.	В	27.	В	28.	Α	29.	С	30.	С
31.	В	32.	Α	33.	D	34.	D	35.	В
36.	С	37.	Α	38.	D	39.	В	40.	Α
41.	D	42.	В	43.	С	44.	Α	45.	В
46.	D	47.	Α	48.	С	49.	В	50.	Α

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