PRACTICE PAPER-MATHS

CLASS VI

TIME 3 HRS M.M 90

1 Express 26% as a decimal number

2 Find 33 % of 9012.

3 Subtract 3x from - 5x

4 Convert into an equation

3 added to a number x is 5

5 Construct angle XYZ = 600

6 Draw a circle of radius 5cm.

7 What is the power of variable in a linear equation?

8 Area of Rectangle = \_\_\_\_\_\_\_\_\_\_\_\_

9 Coefficient of x in x .

10 Write definition of Chord.

1 X 10 = 10

11 Add 3a + 2b and -5a + 6ab

12 If a = 2, b = 2 find the value of 2a2 + 2b2.

13 Find the value of x if

8x=24

14 Draw a circle of diameter 8cm.

15 Construct perpendicular bisector of one segment XY = 6cm

16 Name exterior angle and interior opposite angles.

17 Can we draw a triangle with angles **90, 45, 45**?

18 Construct angle XYZ = 22.5.

19 Find area of square of side 12.5 m.

20 What percentage is 16 of 250?

2 x 10 = 20

21 A man deposits Rs 3000 in a bank for 2 years at 5% per annum. Find the money he would

get back after 2 years.

22 If a = 1, b = -2, c = -1, show that 7a+b+c=2abc

23 Subtract

5x^3 = 3x^2

24 Solve and check

7y + 3= 9

25 Draw a line XY = 5cm. Construct its perpendicular bisector.

26 A square lawn has a side 18 m. How much wire will be needed to fence the lawn. Also find

the cost of fencing at the rate of Rs 2 per m.

27 Neha covered 95.52 m by running around a square garden. Also find the length of each side.

28 There are 200 trees in an orchard if 125 of them are apple trees, find the percentage of rest

of trees.

29 Solve 2(x - 5) = 10

30 If SP = Rs 550 and CP = Rs 400 . Find P or L%

3 x 10 = 30

31 Draw a circle of radius 5 cm and centre O. Draw any chord AB using compasses, draw a

perpendicular from centre O to chord AB.

32 Subtract sum of 2a + b, -3a + b, -2a - 2b from – 6a + 3b.

33 Draw a line segment XY = 8 cm. At X draw a circle of radius 5 cm and at Y draw a circle of

Radius 5 cm and at Y draw a circle of radius 3 cm. What do you observe?

34 Draw a bar graph for the following data

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| DAYS | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
| NO. OF CYCLES SOLD | 55 | 65 | 73 | 84 | 34 |

35 Ram bought 100 eggs for Rs 80. Out of which 4 eggs are found to be broken. He sold remaining eggs at Rs 9.50 per dozen. Find his profit/loss percent.

36. Read the following bar graph

How answer the following questions :

A Find total number of books in the library.

B Which subject has maximum number of books in the library and how many?

c. Which subjects have same number of books in the library.

d How many more books of science than so.sc. are there?

5 X 6 = 30