

JB Academy
Review Test (Class VI)

Time: 2 hours

Max Marks: 50

Name :.....

Class/Sec.

Roll. No.

Mental Maths:

(10 Marks)

1. Which of the following are written in ascending order?
 - a. -10, -20, -30, -40
 - b. 3,0, -3, -6, -9
 - c. -10, -99, -11, 0, 9
 - d. -40, -35, -25, -20
2. 8 hours is Part of a day.
 - a. $\frac{1}{3}$
 - b. $\frac{2}{3}$
 - c. $\frac{1}{4}$
 - d. $\frac{1}{5}$
3. A triangle whose no two sides are equal is known as..... Triangle.
 - a. Acute
 - b. Scalene
 - c. Equilateral
 - d. Isosceles
4. An Angle whose measurement is known as straight angle.
 - a. 30°
 - b. 90°
 - c. 60°
 - d. 180°
5. Sunita is x years old, 3 years ago her age was
 - a. $x + 3$
 - b. $3-x$
 - c. $x - 3$
 - d. $3x$
6. General rule for the pattern of the triangle
 - a. $3x$
 - b. $3x + 2$
 - c. $2x + 1$
 - d. $2x-1$
7. There are 42 students in a class. Out of these 28 are boys. The ratio between the number of girls and total number of students is.....
 - a. 2:3
 - b. 1:3
 - c. 3:1
 - d. 3:2
8. Which of the following is not in proportion?
 - a. 3,6,7,14
 - b. 5,10,15,20
 - c. 5,16,15,48
 - d. 7,3,14,6

9. The perimeter of a square is 12 m, its side is
- 2cm
 - 4cm
 - 3cm
 - 36cm
10. The perimeter of a rectangle is 32cm. Which of the following cannot be its dimensions?
- 15cm, 1 cm
 - 8cm, 8cm
 - 11cm, 5cm
 - 15cm, 3cm

Calculation Based:

(16 Marks)

11. Simplify:

(i) $3\frac{1}{3} + 2\frac{3}{4} - 1\frac{5}{6}$

(ii) $(-100) + (-99) - (-200)$

12. (A) What fraction of clockwise revolution does the hour hand of a clock turn through if it moves from
- 2 to 8
 - 7 to 10
 - 3 to 9

(B) which direction will you face if you initially face

a) South and make $\frac{1}{4}$ of revolution clockwise.

b) West and make $\frac{3}{4}$ of a revolution clockwise.

c) East and make $\frac{1}{2}$ of a revolution clockwise.

d) North and make $\frac{1}{4}$ of a revolution clockwise.

13. Find the area and perimeter of the following shape:

14. (A) Check whether 6, 15, 4 and 10 are in proportion or not?

(B) Find the ratio of 35 min to 1 hour 15 min.

15. Solve the following equations:

a. $x + 11 = 17$

b. $3x - 4 = 5$

Application Based:

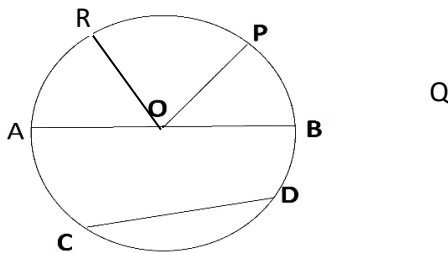
(24 Marks)

16. Arun ate $\frac{2}{5}$ of a pizza, Shruti ate $\frac{1}{2}$ of the pizza while Shweta ate the remaining part of the pizza. Find the portion of the pizza that Shweta ate.

17. Cost of 4 dozen bananas is Rs 180. How many bananas can be purchased for Rs 90?

18. Given that O is the center of the circle, identify the following:

a. Four radii



b. A diameter

- c. A chord
- d. A sector
- e. A segment
- f. A point in external
- g. A point in internal
- h. A point on the boundary

19. Four flower beds of dimension 3m X 1m are dug inside the square park of length 6m. Find the area of the remaining park.

20. Give expressions for the following:

- a. 7 added to y
- b. 16 subtracted from y
- c. 4 times y
- d. One fourth of y
- e. 3 Added to 3 times y

f. 3 times x is subtracted from 15

g. Perimeter of an isosceles triangle of sides a , a and b units

21. Represent the following situated in Integers:

a. A deposit of Rs 500

b. A fall of 30 points

c. A withdrawal of Rs 1000 from the bank.

d. A gain of 60 points