NPET'S ENGLISH MEDIUM SCHOOL BELGAUM

SA-I REVISION

Class: VIII MATHEMATCS

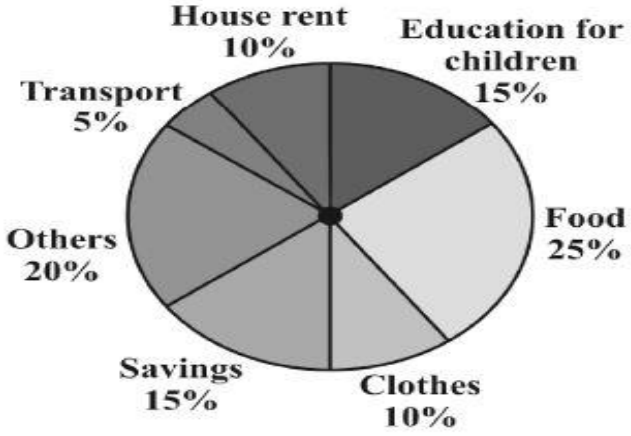
I: 1 mark questions:

1. The product of two rational number is always a _____
2. Rational numbers are _____under the operation of addition, subtraction and multiplication.
3. An algebraic _____ is an equality involving variables.
4. If 3x = 2x +18 then the value of x will be _____
5. A simple closed curve made up of only line segment is called a _____
6. The sum of measures of the external angles of any polygon is_____.
7. Pictorial representation of data using symbols is called a _____.
8. The outcomes we can get when two coins are tossed together are_____.
9. The product of number by itself two times is called a _____.
10. _____is obtained when a number is multiplied by taking it three times.
11. _____ is the Additive identity for Rational numbers.
12. _____ is the Multiplicative identity for Rational numbers.
13. A polygon having all its diagonals in the interiors are called as _____ polygons.
14. _____ is the chance of certain things happening or not happening.
15. If $11^{2=}$=121 and 111^2=12321 then 1111^2=_____

II: 2 marks questions.

1. What are Rational numbers?
2. Tell what property allows you to compute $\frac{1}{3}$ **X [6 X** $\frac{4}{3}$ **]** as [$\frac{1}{3}$ **X 6] X** $\frac{4}{3}$
3. Tell what property allows you to compute $\frac{-7}{3}$ **X** $\frac{6}{5}$ as $\frac{6}{5}$ X $\frac{-7}{3}$
4. Solve the equation **5t – 3 = 3t – 5**
5. Solve the equation **5x + 9 = 5 + 3x**
6. Simplify and solve the equation **3(t – 3) = 5 (2t + 1)**
7. Simplify and solve the equation **15 (y- 4) -2 (y- 9) + 5 (y +6) = 0**
8. What is a regular polygon? State the name of a regular polygon of **6 sides**.
9. What is a regular polygon? State the name of a regular polygon of **4 sides**.
10. Find the measure of each exterior angle of a regular polygon of **15 sides.**
11. Find the measure of each exterior angle of a regular polygon of **9 sides.**

12. If you have a spinning wheel with **3 green** sectors, **1 blue** sector and **1 red** sector, what is the probability of getting a **green** sector?
13. What will be the unit digit of the squares of the given numbers?
    a) 1234 b) 26387
14. What will be the unit digit of the squares of the given numbers?
    a) 12796 b) 52698
15. How many numbers lie between squares of **25 and 26**?
16. How many numbers lie between squares of **12 and 13**?
17. Find the square root of **529** by division method.
18. Find the smallest number which must be multiplied to **256** to obtain a perfect cube.
19. Find the square root of **576** by division method.
21. Find the smallest number which must be multiplied to **72** to obtain a perfect cube.
22. Adjoining pie chart gives the expenditure and savings of a family during a month. Look at the graph and answer the given questions?



a) What data is represented in the pie chart?
b) On which item, the expenditure was maximum?
c) Which two items are same in the given pie chart?
d) How much is the house rent if the total salary of a person is 10,000/-?
e) On which item, the expenditure was minimum?
f) What percent of the salary do the person spend on education for children?
g) How much is the house rent if the total salary of a person is 12,000/-?

III: 3 marks questions

1. Find the cube root of **15625** by prime factorisation method.
2. Find the square root of **1764** by prime factorisation method.
3. Find the value of the unknowns x, y, z in the following parallelogram. Give reason to your answers?

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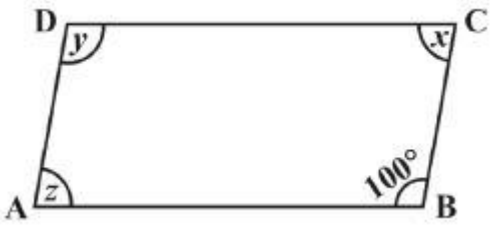
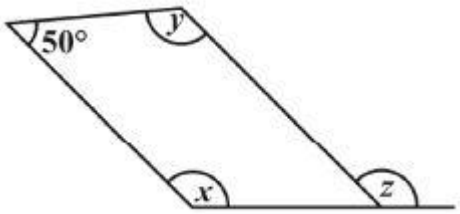


4. Adjoining pie chart gives the expenditure and savings of a family during a month. Look at the graph and answer the given questions?
5. Find the cube root of **13824** by prime factorisation method.
6. Draw a pie chart showing the given information:

Colours	**Number of people**
Blue	18
Green	9
Red	6
Yellow	3
Total	36

7. Find the value of the unknowns x, y, z in the following parallelogram. Give reason to your answers?



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8. Draw a pie chart showing the given information:

Favourite food	**Number of people**
North Indian	30
South Indian	40
Chinese	25
Others	25
Total	120