

Freedom Valley School, Bardoli

Academic Year 2023-24

Class: 7th Sub: Maths

C.W./H.W./P.W. W.S. No. 7

Issue Date: 29/11/2023 Sub. Date: 04/12/2023 Sub. Teacher Sign

Principal's Sign

Topic- Revision worksheet for PT3

Q-1)If angles of a triangle are in ratio 1:2:6. Find the value of each angle.

Q-2)Divide 16 sweets between Sonu and Monu so that they get 20% and 80% of them respectively.

Q-3)If ₹500 is to be divided amongst Raj,Rohan and Rahul so that Raj gets two parts, Rohan gets three parts, Rahul gets five parts. How much money will each get? What will it be in percentages?

Q-4)A school team won 12 games this year against 8 games won last year. What is the per cent increase?

Q-5)Cost of an item is ₹150. It was sold with a profit of 15%. Find the Selling price

Q-6)Cost of an item is ₹260. It was sold with a loss of 20%. Find the Selling price

Q-7)An article was sold for ₹360 with a profit of 10%. What was its cost price?

Q-8)An article was sold for ₹1080 at a loss of 5%. What was its cost price?

Q-9)₹20,000 is invested at 7% interest rate per annum. Find the interest at the end of one year.

Q-10)₹14000 is borrowed at 7% rate of interest per annum borrowed for 2 years. Find the amount to be paid at the end of the second year.

Q-11)You have ₹4800 in your account and the interest rate is 5%. After how many years would you earn ₹480 as interest.

Q-12)Convert each part of the ratio to percentage (i)2:3 (ii)4:1 (iii)8:2 (iv)1:4:5 (v)2:1:5

Q-13)The population of a city decreased from 50000 to 45000. Find the percentage decrease

Q-14)Aman bought a car for ₹4,50,000. The next year, the price went upto ₹5,25,000. What was the Percentage of price increase?

Q-15)If you buy a TV for ₹20000 and sell it at a profit of 25%. How much money do you get for it?

Q-16)Write any five positive rational numbers

Q-17)Write any five negative rational numbers

Q-18)Reduce to standard form (i) $\frac{-45}{30}$ (ii) $\frac{16}{-36}$ (iii) $\frac{-3}{-15}$ (iv) $\frac{68}{-119}$ (v) $\frac{-28}{49}$ Q-19)Fill in the boxes

$$(i)\frac{-5}{7} = \frac{1}{35} = \frac{1}{49} \quad (ii)\frac{-4}{-9} = \frac{1}{18} = \frac{12}{11} \quad (iii)\frac{-6}{-13} = \frac{-12}{11} = \frac{24}{11} \quad (iv)\frac{-6}{11} = \frac{3}{11} = \frac{1}{-55}$$

Q-20)Find five rational numbers between each of the following (i)6 and 7 (ii)4 and 5 (iii)1 and 2 (iv)9 and 10 (v)15 and 16 Q-21)Find six rational numbers between each of the following (i) $\frac{1}{2}$ and $\frac{2}{3}$ (ii) $\frac{4}{5}$ and $\frac{6}{7}$ (iii) $\frac{7}{8}$ and $\frac{10}{16}$ (iv) $\frac{3}{5}$ and $\frac{12}{20}$ (v) $\frac{8}{20}$ and $\frac{5}{40}$ Q-22)Write five rational numbers equivalent to each of the following (i) $\frac{-2}{3}$ (ii) $\frac{5}{7}$ (iii) $\frac{10}{17}$ (iv) $\frac{-17}{20}$ (v) $\frac{7}{8}$ Q-23)Do as directed (i) $\frac{4}{7} + \frac{2}{8}$ (ii) $\frac{-2}{6} + \frac{1}{5}$ (iii) $\frac{7}{8} - \frac{2}{5}$ (iv) $5\frac{1}{3} - (-\frac{5}{6})$ (v) $\frac{5}{7} \times 10$ (vi) $\frac{-2}{-8} \times 40$

 $(\text{vii}) \frac{-2}{5} \times \frac{1}{7} \quad (\text{viii}) \frac{6}{7} \times \frac{5}{-9} \quad (\text{ix})(-8) \div \frac{4}{5} \quad (\text{x}) \frac{2}{15} \div \frac{1}{7}$

Q-24)Find the area of each of the following parallelograms



Q-25)Find the	missing	values
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S.No	Base	Height	Area of the parallelogram
а.	45 cm		675 cm ²
b.		27 cm	837 cm ²
с.	1.5 cm		54.8 cm ²
d.	20.4 cm	5.8 cm	