Himalaya International School
Class- VII
Subject- Mathematics
Practice Assignment -3
Percentage and it's Applications
Perimeter and Area

Q1 Express the following per cents as fractions in the simplest form and also in decimals:

i) 55%   ii) 45.5%

Q2 Find the length and breadth of a rectangle if its perimeter is 270 cm. Given that length of the rectangle is twice it's breadth.

Q3 Find the whole quantity if:

i) 80% of it is 560

ii) 7% of it is 35 litres

Q4 What per cent of: Rs. 600 is Rs. 384

Q5 Aniket secured 75% marks in an examination. If he secured 450 marks, find the maximum marks.

Q6 A triangle has three sides and three angles. The sum of the angles of a triangle is always 180 degrees. The sum of consecutive interior and exterior angle is supplementary. The area of a triangle is 90 cm². The lengths of its base and height are in the ratio 4:5. Find the lengths of base and height.

Q7 Priyanka obtained 372 marks out of 600 and Pooja obtained 450 marks out of 750 in an examination. Whose performance is better?

Q8 Jagdish got 64% marks out of 750. How many more marks were needed to secure 80%?

Q9 A 2m wide path is running around a rectangular field having length and breadth of 50 m and 35 m respectively. Determine the area of the path.

Q10 Ravi withdrew Rs.80950 from his bank account. He gave 54% of the money to his wife, 20% to his daughter and the rest to his son. Find the amount that they received.

Q11 The area of a rhombus is 144cm². If its perimeter is 32cm, find its altitude.

Q12 A 12% increase in the school fee of a class is Rs. 108. What is the original fee?

Q13 LED TV is a type of LCD television that uses light-emitting diodes (LEDs) to backlight the display instead of the cold cathode fluorescent lights (CCFLs) used in standard LCD televisions. Jack bought an LED TV for Rs. 36,600 and sold it for Rs. 40,260. Find his profit or loss per cent.

Q14 Find the height of a right-angled triangle whose area is 65cm² and base 13cm.

Q15 The radius of a circular pipe is 4cm. What length of a tape is required to wrap once around the pipe?

Q16 Rachna saves Rs. 3500 from her salary per month. If her savings are 10% of her monthly salary, find her salary.

Q17 Sunil bought 15 chocolates for his children. He distributes the chocolates according to their share. Divide 15 chocolates between Ansh and Vansh so that their respective share is 40% and 60%.

Q18 Find the area of a circle whose circumference is 198cm.

Q19 Find the circumference of a circular wheel whose radius is 56cm. Find the distance covered by it in taking 30 rounds.

Q20 Shruti bought some toffees from market and sold few toffees to Ritu. Toffees are bought at the rate of 6 for Rs.30 and sold at 5 for Rs.30. Find the gain percentage.