

I. Multiple choice questions:

1. Perimeter 2. 516.4 3. $y - x$ 4. 5.69
5. $\frac{1}{6}$ 6. $\frac{3}{100}$

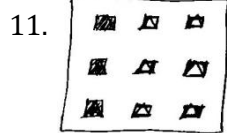
II. Answer the following:

7. Area of the parallelogram = $b \times h$
 b = 8cm
 h = 4.5cm
 $b \times h$ = 8×4.5
 = 36cm^2 .

8. $\frac{1}{2}$ of $3\frac{1}{4}$ = $\frac{1}{2}$ of $\frac{13}{4}$
 = $\frac{1}{2} \times \frac{13}{4} = \frac{13}{8} = 1\frac{5}{8}$

9. Radius = 7m
 Area of circle = πr^2
 = $\frac{22}{7} \times 7 \times 7 = 154\text{cm}^2$

10. Total apples = 4
 Total boys = 3
 Each boy's share = $4 \div 3 = \frac{4}{3} = 1\frac{1}{3}$



III. Answer the following:

12. a) $0.71 \times 100 = 71\%$ b) $25\% \text{ of } 240 = \frac{25}{100} \times 240 = 60$

13. $5.96 \div 4$

$$\begin{array}{r} 3.99 \\ 4 \overline{) 15.96} \\ \underline{12} \\ 39 \\ \underline{36} \\ 36 \\ \underline{36} \\ 0 \end{array}$$

Ans: 3.99

14. Area of triangle = 2500m^2
 b = 250m
 h = ?
 $\frac{1}{2} \times b \times h$ = 2500
 $\frac{1}{2} \times 250 \times h$ = 2500
 h = $\frac{2500 \times 2}{250}$ $h = 20\text{m}$

15. Total students = 2400
 Boys = 70%
 Girls = 30%
 No. of girls = 30% of 2400
 = $\frac{30}{100} \times 2400 = 720$

IV. Answer the following:

16. Principal = ₹30,000
 Rate = 8% p.a
 Years = 3
 Simple interest = $\frac{PRT}{100} = \frac{30000 \times 8 \times 3}{100}$
 = $300 \times 8 \times 3 = ₹7,200$
 Amount = $P + SI$
 = $30,000 + 7,200 = ₹37,200$
17. Cost price = ₹1500
 Selling price = ₹1650
 Profit = $SP - CP$
 = $1650 - 1500 = 150$
 Profit = $\frac{P}{CP} \times 100$
 = $\frac{150}{1500} \times 100 = 10\%$

18. a) $\frac{2}{9} \div 5 = \frac{2}{9} \div \frac{5}{1}$
 = $\frac{2}{9} \times \frac{1}{5} = \frac{2}{45}$

b) $\frac{0.07 \times 0.9}{0.063}$