

**Bhavan's V. M. Public School, Baroda**  
**Ch-2.Fractions And Decimals**

1. Simplify the following:

a)  $3\frac{1}{3} + 4\frac{1}{12} - 2\frac{1}{6}$

b)  $5\frac{1}{3} - \frac{1}{15} + 1\frac{1}{5} - 2\frac{1}{3}$

c.  $5\frac{3}{14} \div 7$

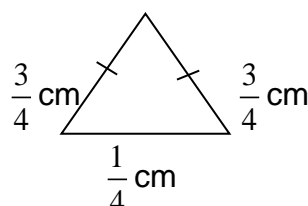
d.  $5\frac{1}{4} \div \frac{3}{4}$

e)  $4\frac{1}{2} \times 3$

f)  $5\frac{4}{3} \times 2\frac{3}{5}$

g)  $\frac{6}{7} \times 2\frac{4}{5} \times 4\frac{3}{8}$

2. Find the perimeter of the adjoined figure:

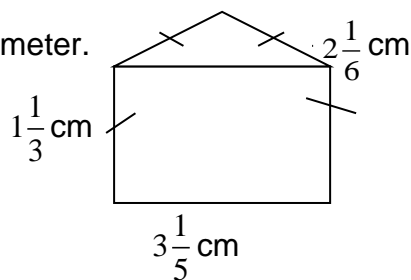


3. Saurabh gets Rs.500 as his pocket money. He spends half of it on buying books. One fourth of it on buying ice-creams and chocolates. How much does he save?

4. The cost of  $6\frac{1}{4}$  kg of oranges is Rs.400. At what rate per kg are the oranges being sold?

5 .Each side of a regular octagon is  $5\frac{1}{4}$  cm long. Find its perimeter.

6 . Find the perimeter of the adjoined figure.



7. The length of a rectangular plot of area  $65\frac{1}{3}$  m<sup>2</sup> is  $12\frac{1}{4}$  m. What is the breadth of the rectangle?

8. Aniket wants to put a picture in a frame. The picture is  $7\frac{1}{2}$  cm wide whereas the frame is only  $6\frac{3}{4}$  cm wide. How much of the picture should Aniket trim.

9. Ramesh finished  $\frac{1}{7}$  of his work on first day,  $\frac{3}{14}$  work on second day. How much work he has to do on the third day to finish his work?

10. Palak and Arun went to picnic. Their mother gave them a water bottle that contained 6 litres of water. Palak consumed  $\frac{1}{6}$  th of the water.

i) How much water did Palak drink?

ii) What fraction of the total quantity of water did Arun drink?

**Decimals**

11.Solve:

a)  $0.07 \times 7$

b.  $42.8 \times 100$

c.  $0.2 \times 58.2$

d.  $19.7 \times 1.90 \times 0.2$

12.Divide:

a)  $0.8 \div 4$

b.  $263.6 \div 1000$

c.  $4.16 \div 0.4$

d.  $82.6 \div 0.18$

13. The product of 1005 and 105 is 105525. Find the product of the following numbers without doing calculation:

a.  $10.05 \times 1.05 =$  \_\_\_\_\_.

b.  $100.5 \times 1.05 =$  \_\_\_\_\_.

c.  $0.01005 \times 0.105 =$  \_\_\_\_\_.

14.The quotient of  $3192 \div 14$  is 228. Find the quotient of the following numbers without doing calculation:

- a.  $319.2 \div 0.14 =$  \_\_\_\_\_.
- b.  $0.3192 \div 0.14 =$  \_\_\_\_\_.
- c.  $3.192 \div 0.014 =$  \_\_\_\_\_.
- d.  $3192 \div 1.4 =$  \_\_\_\_\_.

15. Convert:

- a. 9 Rupees 5paise to Rs      b. 25 cm to metre and km.      c. 480gm to kg      d. 46ml to litre
- e. 6kg 5mg to kg                  f. 2 hours 15 minutes to hour

16. The perimeter of an equilateral triangle is 17.1 cm. Find the length of each side.

17. From a rope whose length is 6.8 m long, five pieces each of 0.8m long are cut. Find the length of the remaining piece.

18. Each side of a regular polygon is 3.5 cm in length. The perimeter of the polygon is 17.5 cm. How many sides does the polygon have?

19. A scooter covers a distance of 132.8 km in 3.2 hours. What is the average distance covered by it in 1 hour?

20. A vehicle covers a distance of 94.6 km in 6.3 litres of petrol. How much distance will it cover in 2.6 litres of petrol?

21. Shan covers 0.6 m in each step while running. In a 100m race after covering 68.8 m, he fell down. How many steps remained for Shan to finish the race.

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