

Math For Class 7

Fractions

Q.1 Solve the following: [10]

1. Mr. Hawkins had received 250 acres as his headright when he came to the Plymouth Colony. He gave $\frac{1}{8}$ of his land to his brother. How many acres did he have left?
2. A first grade class took a poll to find out their favorite ice cream. $\frac{1}{4}$ chose chocolate, $\frac{1}{4}$ chose vanilla and $\frac{1}{2}$ chose strawberry. 2 kids are lactose intolerant and can't eat ice cream. If there are 22 kids in the class, how many kids liked each flavor?
3. There are 18 kids at a birthday party. $\frac{1}{2}$ of the kids have blue eyes. How many kids do not have blue eyes?
4. Frank had 12 baseball cards. He gave Sam 3 cards, Billy 3 cards, and Aidan 3 cards. What is the fraction of cards that he gave away?
5. Priya spends $\frac{3}{5}$ of her income on household expenses and $\frac{1}{7}$ of her income on personal expenses. If her monthly income is Rs.35000, find her monthly savings.

Q.2 Simplify the following: [6]

- 1) $12 - 3\frac{1}{2}$ 2) $\frac{2}{3} + \frac{1}{6} - \frac{2}{8}$ 3) $4\frac{3}{10} - 1\frac{2}{15}$ 4) $15\frac{3}{7} \div 1\frac{23}{49}$

Q.3 Find : [3]

- 1) $\frac{7}{11}$ of Rs. 330 2) $\frac{5}{6}$ of a dozen 3) $\frac{2}{7}$ of a week

Q.4 Simplify : [1]

- 1) $\frac{12}{25} \times \frac{15}{28} \times \frac{35}{36}$