Question Bank

1. Choose the correct option.

a. Which of the following is a proper fraction?

i. $\frac{44}{11}$ ii. $\frac{25}{15}$ iii. $\frac{13}{29}$ iv. $\frac{20}{2}$

b. Which of the following is an improper fraction?

i. $\frac{1}{10}$ ii. $\frac{30}{12}$ iii. $\frac{3}{4}$ iv. $\frac{7}{15}$

c. What is $\frac{3}{2} \times \frac{4}{7} = ?$

i. $\frac{7}{14}$ ii. $\frac{6}{14}$ iii. $\frac{12}{7}$ iv. $\frac{6}{7}$

d. What is the reciprocal of $\frac{1}{7}$?

i. $\frac{-1}{7}$ ii. $\frac{1}{7}$ iii. 7 iv. –7

e. Half of the students in a class are girls. Half of the girls studied French. If there are 40 students in the class, how many girls studied French?

i. 20 ii. 10 iii. 15 iv. 40

2. Multiply and express the answer in lowest terms.

a. $7\frac{1}{4} \times 4\frac{3}{4}$ b. $2\frac{1}{2} \times 3\frac{1}{3}$

c. $6\frac{2}{5} \times 5\frac{1}{8}$ d. $10\frac{1}{2} \times 8\frac{2}{7}$

e. $\frac{1}{9} \times 6\frac{1}{2}$

3. Divide and express the answer in lowest terms.

a. $\frac{2}{7} \div \frac{4}{21}$ b. $\frac{3}{8} \div \frac{6}{-11}$

c. $6 \div \frac{2}{9}$ d. $\frac{3}{4} \div 7$

e. $\frac{-1}{16} \div \frac{7}{24}$

4. Simplify and express the answer in lowest terms.

a. $\frac{2}{5} \times \frac{5}{30} \times \frac{8}{20}$ b. $\frac{1}{2} \div \frac{2}{3} \div \frac{5}{9}$

c. $\frac{6}{4} \div \frac{18}{16} \div \frac{32}{24}$ d. $\frac{1}{3} \times \frac{21}{5} \div \frac{4}{25}$

e. $\frac{2}{7} \div \frac{3}{8} \times \frac{4}{15}$

5. Answer the following (Word Problems).

a. In a class of 42 students, one-sixth of the students scored below 60% in maths. How many scored 60% or above?

b. Mumtaj and Yasmin together have 600 stamps. If two-fifths of them belong to Mumtaj, how many does Yasmin have?

c. Manoj has a string of length 60 cm. He cuts it into half. With one piece, he makes a triangle whose three sides are equal. What is the length of each side of the triangle?

d. Raja and Ravi took $\frac{4}{5}$ of toffees from a box of toffees. If Raja's share from it was $\frac{3}{4}$, what was Ravi's share in the whole?

e. There were 60 students in Class 7 in a school. Of them, $\frac{7}{10}$ played sports. Out of this, $\frac{2}{3}$ played football. What fraction of the students in Class 7 played football?

f. The round face of a clock has a circumference of 36 cm. What is the distance between two successive numbers on the dial?

g. A pizza was cut into eight equal pieces. Stephen ate three pieces. What fraction of the pizza did he eat?

h. A man won ₹1,00,000 in lottery. He paid $\frac{2}{5}$ of the amount as tax. He donated $\frac{1}{10}$ of the money left to a charity. What was the amount he donated?

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