DIVISION OF FRACTIONS

Q1)- FIND

a) $\dfrac{3}{4} \div \dfrac{7}{8} =$

b) $\dfrac{23}{21} \div \dfrac{19}{7} =$

c) $\dfrac{1}{2} \div \dfrac{5}{6} =$

d) $\dfrac{2}{3} \div 14 =$

e) $\dfrac{4}{15} \div \dfrac{11}{15} =$

f) $\dfrac{23}{14}$ by $\dfrac{1}{7} =$

g) 77 by $\dfrac{211}{13} =$

h) $\dfrac{3}{4}$ by $5 =$

i) $4\dfrac{2}{3} \div 2\dfrac{1}{4} =$

j) $5\dfrac{1}{4} \div 2\dfrac{3}{8} =$

number	reciprocal
2	$\dfrac{1}{2}$
4	$\dfrac{1}{4}$
5	$\dfrac{1}{5}$
10	$\dfrac{1}{10}$
100	$\dfrac{1}{100}$

Q2)- Annie has 5 pizzas, and each pizza is divided into 8 equal slices. If Annie share the pizzas equally among 6 friends, how many slices will each friend get?

Q3)- A cookie recipe calls for ⅔ cup of butter. If you only have 1/3 cup of butter, how many batches of cookies can you make?

Q4)- A pancake recipe calls for ¼ cup of milk. If you have 1 cup of milk, how many batches of pancakes can you make?

Q5)- You have ⅞ of a gallon of milk. If you want to share it equally among 4 friends, how much will each friend receive?

Q6)- You have ¾ of a loaf of bread. If you want to share it equally among 5 friends, how much will each friend receive?

Q7)- You used ¾ of your garden for growing carrots. If your garden measures 20 square meters, how many square meters are dedicated to carrots?

DIVISION OF FRACTIONS

Q1)- FIND

a) $\frac{3}{4} \div \frac{7}{8} = \frac{6}{7}$

b) $\frac{23}{21} \div \frac{19}{7} = \frac{23}{57}$

c) $\frac{1}{2} \div \frac{5}{6} = \frac{3}{5}$

d) $\frac{2}{3} \div 14 = \frac{1}{21}$

e) $\frac{4}{15} \div \frac{11}{15} = \frac{4}{11}$

f) $\frac{23}{14}$ by $\frac{1}{7} = 11\frac{1}{2}$

g) 77 by $\frac{211}{13} = 2\frac{151}{177}$

h) $\frac{3}{4}$ by $5 = \frac{3}{20}$

i) $4\frac{2}{3} \div 2\frac{1}{4} = \frac{56}{27}$

j) $5\frac{1}{4} \div 2\frac{3}{8} = \frac{42}{19}$

number	reciprocal
2	$\frac{1}{2}$
4	$\frac{1}{4}$
5	$\frac{1}{5}$
10	$\frac{1}{10}$
100	$\frac{1}{100}$

Ans2)- So, each friend will get 6 slices of pizza, and there will be 4 slices remaining.

Ans3)- ½ You can make half a batch of cookies.

Ans4)- You can make 4 batches of pancakes.

Ans5)- Each friend will receive 7/32 of a gallon of milk.

Ans6)- Each friend will receive 3/20 of a loaf of bread.

Ans7)- You dedicated 15 square meters of your garden to growing carrots.

Superior Scholar