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Multiplication of Fractions Worksheet 1

1) Evaluate the following:

$$\frac{2}{3} \times 36$$

2) Solve the following:

$$60 \times \frac{5}{12}$$

3) Solve: $\frac{4}{9} \times \frac{9}{4}$

4) Sofia sells half a dozen pens for \$ $\frac{105}{4}$. The number of pens sold by her on a particular day is 36. Find the total amount earned by her on that day.



5) Simplify: $\frac{11}{20} \times \frac{4}{14}$

6) Solve the following:

$$\frac{32}{12} \times \frac{42}{12}$$

7) Evaluate: $1\frac{4}{23} \times 1\frac{3}{25}$

- 8) In a chocolate factory, if each dozen of chocolate needs $\frac{4}{6}$ th of cocoa powder. How much amount of cocoa powder will be needed to prepare 15 chocolates if the total amount of cocoa powder available is 216kg?
- 9) Find the area of a rectangular park which is $6\frac{3}{4}$ m long and $5\frac{4}{5}$ m broad.
- 10) I have 35 pastries in total. I give $\frac{2}{7}$ part of it to my elder brother and $\frac{2}{5}$ of the remaining to my younger sister. How many pastries am I left with?



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"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

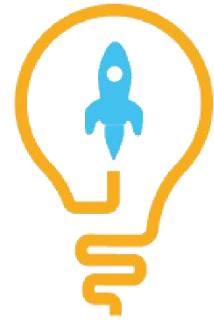
- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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ANSWERS

1. 24	6. $28/3$
2. 25	7. $1 \frac{181}{575}$
3. 1	8. 180 kg
4. \$ 945	9. $170 \frac{1}{10} \text{ m}^2$
5. $11/70$	10. No. of pastries given to elder brother = 10 No. of pastries given to younger sister = 10 No. of pastries left = 15

FUN FACT

1. The line that separates the numerator and the denominator is called a vinculum, which is also the word used to describe 'a connecting band of tissue'.
2. The product of the numerator of the first [fraction](#) and the denominator of the second fraction is equal to the product of the denominator of the first fraction and the numerator of the second fraction.
3. The word "fraction" comes from the Latin word "fractio" which means **to break**.

