

MULTIPLYING FRACTIONS (PROBLEMS)

Multiplying fraction is super easy!

When multiplying whole numbers and fractions write the whole number as a fraction. Then check for common factors then multiply.

Example:

$$\frac{1}{3} \times 15 =$$

$$\frac{1}{\cancel{3}} \times \frac{\overset{5}{\cancel{15}}}{1} = \frac{5}{1} = 5$$

To multiply mixed numerals, first change the mixed fractions to improper fractions.

Example:

$$\frac{1}{2} \times 2\frac{1}{2} =$$

$$\frac{1}{2} \times \frac{5}{2} = \frac{5}{4}$$

$$\frac{5}{4} = 1\frac{1}{4}$$

Practice

1. QUESTION

$$\frac{2}{7} \times \frac{3}{5}$$

Answer = _____

2. QUESTION

Calculate the following. Give your answers as a mixed fraction.

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

Answer = _____

3. QUESTION

Calculate the following. Remember 'of' means the same as 'x' or 'times'. Give your answers as a mixed fraction.

$$\frac{1}{4} \text{ of } \frac{3}{5}$$

Answer = _____

4. QUESTION

$$\frac{2}{3} \times 9$$

Working:

Answer = _____

5. QUESTION

A man was chased by a lion for one hour; he ran for 2 miles. How far can he run in 1 hr and a half?



Answer = _____ miles

6. QUESTION

A class has 24 students. If two-thirds of the class is made up of girls, how many girls are there?



Answer = _____ girls

7. QUESTION

Jenny has 3 pizzas. If three-quarters **of** the pizzas have beef, how many have beef?



Answer = _____

8. QUESTION

Brian has five glasses. He fills $\frac{2}{3}$ cups of orange juice in each glass. How much cups of juice did he share?

Answer = _____

9. QUESTION

If Jonathan gave away $\frac{1}{3}$ of his marbles to Karl. If Karl got 25 marbles, how many marbles did Jonathan have at first?

Answer = _____

10. QUESTION

A water tank holds 1000 litres of water. If it is $\frac{2}{5}$ full, how much litres does the tank hold.

Answer = _____

11. QUESTION

The width of a window is $2\frac{1}{4}$ metres. Calculate the length of the window if it is $1\frac{1}{2}$ times its width.

Answer = _____

12. QUESTION

Irene travels a distance of $3\frac{1}{2}$ km by car to school. Chris travels $2\frac{2}{5}$ times that distance. Calculate the distance which Chris travels.

Answer = _____