

# **Multiplication of fraction**

This is really straight-forward. Everything needs to be written as a fraction, so if you have a mixed number you need to write it as a top-heavy fraction, and if you have a whole number (integer) then write it as a fraction

e.g.  $7 = \frac{7}{1}$

All you need to do find your answer (the product) is to multiply the numerators together and then multiply the denominators together.

*The denominators do not have to be the same.*

$$\frac{7}{10} \times \frac{2}{5} = \frac{14}{50} = \frac{14}{25} \quad (\text{in simplest form})$$

Example  $\frac{3}{7} \times 6 = \frac{3}{7} \times \frac{6}{1} = \frac{18}{7} = 2\frac{4}{7}$

$$3\frac{1}{4} \times 1\frac{2}{5} = \frac{13}{4} \times \frac{7}{5} = \frac{91}{20} = 4\frac{11}{20}$$

Reduce the following fractions into simplest form.

1.  $\frac{5}{90} \times \frac{30}{70} =$  \_\_\_\_\_

2.  $\frac{3}{5} \times \frac{5}{7} =$  \_\_\_\_\_

3.  $\frac{4}{60} \times \frac{12}{15} =$  \_\_\_\_\_

4.  $\frac{9}{120} \times \frac{15}{24} =$  \_\_\_\_\_

5.  $\frac{4}{5} \text{ of } \frac{25}{30} =$  \_\_\_\_\_

6.  $\frac{7}{15} \times 2\frac{1}{7} =$  \_\_\_\_\_

7.  $1\frac{1}{3} \times \frac{20}{14} =$  \_\_\_\_\_

8.  $2\frac{2}{3} \times 3\frac{3}{10} =$  \_\_\_\_\_

9.  $4\frac{4}{5} \times 2\frac{2}{3} =$  \_\_\_\_\_

10.  $3\frac{1}{5} \text{ of } \frac{10}{16} =$  \_\_\_\_\_