

# Math Practice Sheets

Fraction and Mixed Numbers Operation Part II

Student Name

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Examples

Practice Questions

Extra Challenge Unit

**Unit  
15.1**

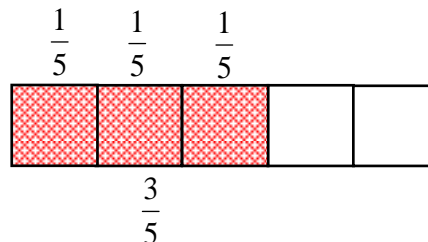
**Multiplying Fractions and Whole Numbers**

**Example**

Look at the product of  $3 \times \frac{1}{5}$ .

$3 \times \frac{1}{5}$  means 3 times  $\frac{1}{5}$ .

i.e.  $3 \times \frac{1}{5} = \frac{1}{5} + \frac{1}{5} + \frac{1}{5} = \frac{1+1+1}{5} = \frac{3}{5}$



Take another example. Find  $\frac{4}{7}$  of 35.

You know that  $\frac{4}{7}$  of 35 =  $\frac{4}{7} \times 35 = \frac{4 \times \overset{5}{\cancel{35}}}{\underset{1}{\cancel{7}}} = 4 \times 5 = 20$

Therefore, to multiply a fraction by a whole number, the numerator of the fraction is multiplied by the whole number. The denominator of the fraction remains the denominator of the product.

**Exercise**

1. Multiply the following fractions and whole numbers.

a)  $\frac{4}{7} \times 63$

b)  $\frac{8}{3}$  of 15

c)  $4 \times \frac{1}{8}$

d)  $\frac{7}{9}$  of 45

e)  $\frac{5}{9} \times 9$

f)  $\frac{7}{8}$  of 3

g)  $5 \times \frac{6}{20}$

h)  $\frac{1}{3}$  of 93

i)  $\frac{21}{15} \times 175$