

M9

## 1.8 Operations with Mixed Numbers

- Convert all mixed numbers into improper fractions.
- Reduce individual fractions if possible.
- Follow BEDMAS when carrying out the given operations.
- Reduce the final answer and convert it to a mixed number if possible.
  
- ❖ **Remember** to change division to multiplication and reciprocate the fraction that is immediately after the division symbol.
- ❖ **Remember** to simplify diagonally **only** if fractions have a **multiplication** symbol between them.

A negative mixed number turns into a negative improper fraction.  
The rules of conversion of mixed numbers to improper fractions remain the same.  
**There is NO subtraction in the process.**

$$-5\frac{2}{7}$$

Solve

1.  $4\frac{1}{3} \times 12 =$

2.  $1\frac{3}{4} \div 7\frac{3}{5} =$

3.  $\frac{3}{4} + 6\frac{1}{8} =$

4.  $-2\frac{1}{4} \div 3\frac{4}{9} =$