

## Guided worksheet on adding fractions and mixed numbers

By doing this worksheet students can learn all the basic steps needed [to add fractions and mixed numbers](#). It is highly recommended for students to fill in all the blanks in each problem given below: *(All the fractions have same denominators)*

$$\begin{aligned} 1) \quad & \frac{3}{8} + 2\frac{1}{8} \\ & = 2\frac{3+1}{8} \\ & = 2\frac{4}{8} \\ & = 2\frac{1}{2} \end{aligned}$$

This is a problem where the answer needs to be further reduced into lowest terms.

In this example,  $2\frac{4}{8}$  can be further reduced as the numerator 4 and 8 have a greatest common factor of 4. So cut 4 and 8 by 4 to get the new numerator 1 and denominator 2 for the final answer as shown.

$$\begin{aligned} 2) \quad & \frac{1}{9} + 1\frac{5}{9} \\ & = \square \frac{1+\square}{9} \\ & = 1\frac{6}{\square} = 1\frac{\square}{3} \end{aligned}$$

$$\begin{aligned} 3) \quad & 4\frac{3}{6} + \frac{1}{6} \\ & = 4\frac{\square+\square}{6} \\ & = \square\frac{\square}{\square} = \square\frac{2}{\square} \end{aligned}$$

$$\begin{aligned} 4) \quad & 1\frac{2}{10} + 4\frac{3}{10} \\ & = (1+4)\frac{\square+\square}{10} \\ & = 5\frac{5}{10} = 5\frac{\square}{\square} \end{aligned}$$

$$\begin{aligned} 5) \quad & 1\frac{3}{12} + 1\frac{5}{12} \\ & = (\square+1)\frac{\square+\square}{12} \\ & = 2\frac{8}{\square} = 2\frac{\square}{3} \end{aligned}$$

$$\begin{aligned} 6) \quad & 4\frac{4}{15} + 3\frac{8}{15} \\ & = (\square+\square)\frac{\square+\square}{15} \\ & = \square\frac{12}{\square} = 7\frac{\square}{5} \end{aligned}$$