

Adding Fractions With Unlike Denominators Worksheets

This worksheet is to help kids practice [adding fractions with unlike denominators](#). This is a guided worksheet, which means students need to fill in the blanks to complete the solution to each problem.

$$1) \quad \frac{3}{8} + \frac{5}{12}$$

Both the fractions got different denominators; 8 and 12. To add these fractions, we need to convert these fractions into equivalent fractions with a common denominator.

The common denominator is the least common multiple of 8 and 12 which is 24. Hence multiply the first fraction with 3 and second fraction with 2 as shown below:

$$= \frac{3 \times 3}{8 \times 3} + \frac{5 \times 2}{12 \times 2} = \frac{\boxed{}}{24} + \frac{10}{\boxed{}} = \frac{\boxed{}}{24}$$

$$2) \quad \frac{3}{10} + \frac{4}{15}$$

Hint: Least common multiple of 10 and 15 = 30, hence change both the denominators to 30.

$$= \frac{3 \times \boxed{}}{10 \times \boxed{}} + \frac{4 \times \boxed{}}{15 \times \boxed{}} = \frac{\boxed{}}{30} + \frac{\boxed{}}{30} = \frac{\boxed{}}{\boxed{}}$$

$$3) \quad \frac{2}{5} + \frac{3}{4}$$

Least common multiple for 5 and 4 =

$$= \frac{\boxed{} \times 4}{5 \times 4} + \frac{3 \times \boxed{}}{\boxed{} \times 5} = \frac{\boxed{}}{20} + \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{20}$$