

Mixed Fraction Addition & Subtraction

Adding & Subtracting Mixed Fractions

The best way to add and subtract mixed fractions is to start by converting each fraction to an improper fraction.

EXAMPLE: What is $2\frac{1}{2} + 4\frac{1}{3}$?

(1) Convert the mixed fractions to improper fractions.

$$2\frac{1}{2} = \frac{5}{2}$$
 $4\frac{1}{3} = \frac{13}{3}$

(3) Convert the improper fractions so that they have the same denominator. This new denominator is the lowest common multiple.

LCM of 2 and 3 is 6

 $\frac{5}{2} \times \frac{3}{3} = \frac{15}{6}$ $\frac{13}{3} \times \frac{2}{2} = \frac{26}{6}$

(4) Now, you can add or subtract the converted fractions

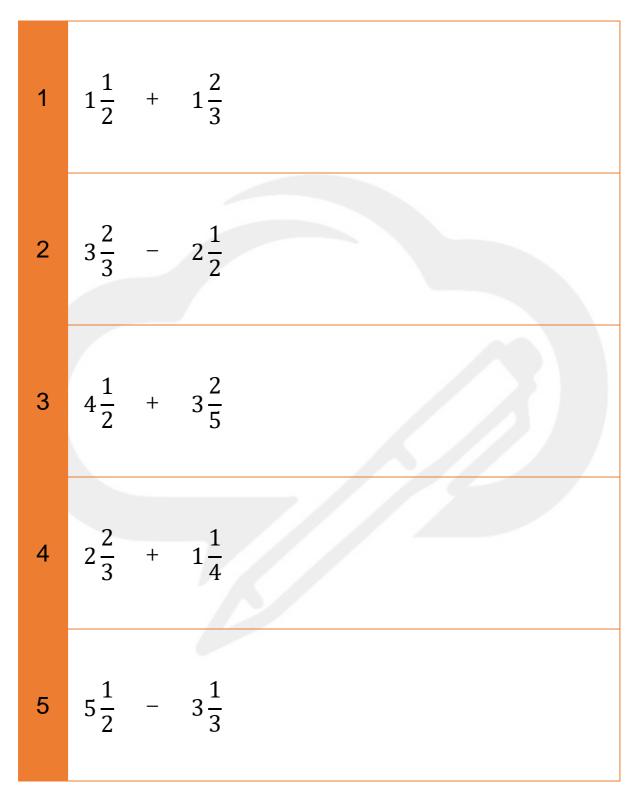
$$\frac{15}{6} + \frac{26}{6} = \frac{41}{6}$$

(5) Convert your answer back to a mixed fraction.

$$\frac{41}{6} = 6\frac{5}{6}$$



Instructions: Answer the mixed fraction questions below.





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6	$2\frac{1}{4}$	÷	$1\frac{3}{5}$	
7	$6\frac{3}{4}$	-	$3\frac{1}{3}$	
8	$4\frac{1}{5}$	+	$3\frac{1}{6}$	
9	$5\frac{1}{3}$	+	$1\frac{2}{5}$	
10	$13\frac{1}{3}$	_	$4\frac{1}{5}$	



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$$\frac{15}{6} + \frac{26}{6} = \frac{41}{6}$$

(5) Convert your answer back to a mixed fraction.

$$\frac{41}{6} = 6\frac{5}{6}$$



Instructions: Answer the mixed fraction questions below.

1
$$9\frac{1}{2} - 2\frac{1}{3}$$

2 $6\frac{1}{3} + 5\frac{1}{4}$
3 $5\frac{3}{5} + 2\frac{1}{2}$
4 $8\frac{1}{3} - 2\frac{1}{4}$
5 $3\frac{4}{5} + 9\frac{1}{2}$



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6	$4\frac{2}{3}$	+	$4\frac{1}{5}$	
7	$9\frac{2}{3}$	-	$6\frac{1}{8}$	
8	$12\frac{5}{6}$	_	$8\frac{3}{4}$	
9	$18\frac{7}{8}$	+	$7\frac{1}{3}$	
10	$17\frac{3}{7}$	_	$3\frac{1}{6}$	