

Add Fractions (C)

Find equivalent fractions using the least common denominator (LCD).

Add.

Change to a mixed number if necessary.

$$\frac{10}{15} + \frac{50}{19} = \frac{190}{285} + \frac{750}{285} = \frac{940}{285} = 3 \frac{85}{285} = 3 \frac{17}{57}$$

LCD: 285

Reduce the fraction if necessary.

$$\frac{11}{12} + \frac{3}{6} =$$

$$\frac{20}{10} + \frac{49}{2} =$$

$$\frac{41}{14} + \frac{14}{2} =$$

$$\frac{1}{21} + \frac{2}{11} =$$

$$\frac{19}{15} + \frac{27}{7} =$$

$$\frac{16}{9} + \frac{16}{16} =$$

$$\frac{2}{16} + \frac{38}{2} =$$

$$\frac{6}{17} + \frac{18}{14} =$$

$$\frac{29}{12} + \frac{32}{8} =$$

Add Fractions (C) Answers

Note to teacher: To be successful on this worksheet, students need to know how to find least common denominators/multiples, how to find equivalent fractions, how to change improper fractions to mixed numbers, and how to reduce fractions and mixed numbers to lowest terms. This worksheet includes all of those skills with difficult fractions (e.g. improper fractions with numerators up to 50 and denominators up to 25).

		Equivalent	Sum	Mixed	Reduced
$\frac{11}{12}$	$+$ $\frac{3}{6}$	$=$ $\frac{11}{12}$ $+$ $\frac{6}{12}$	$=$ $\frac{17}{12}$	$=$ $1 \frac{5}{12}$	$=$ $1 \frac{5}{12}$
$\frac{20}{10}$	$+$ $\frac{49}{2}$	$=$ $\frac{20}{10}$ $+$ $\frac{245}{10}$	$=$ $\frac{265}{10}$	$=$ $26 \frac{5}{10}$	$=$ $26 \frac{1}{2}$
$\frac{41}{14}$	$+$ $\frac{14}{2}$	$=$ $\frac{41}{14}$ $+$ $\frac{98}{14}$	$=$ $\frac{139}{14}$	$=$ $9 \frac{13}{14}$	$=$ $9 \frac{13}{14}$
$\frac{1}{21}$	$+$ $\frac{2}{11}$	$=$ $\frac{11}{231}$ $+$ $\frac{42}{231}$	$=$ $\frac{53}{231}$	$=$ $\frac{53}{231}$	$=$ $\frac{53}{231}$
$\frac{19}{15}$	$+$ $\frac{27}{7}$	$=$ $\frac{133}{105}$ $+$ $\frac{405}{105}$	$=$ $\frac{538}{105}$	$=$ $5 \frac{13}{105}$	$=$ $5 \frac{13}{105}$
$\frac{16}{9}$	$+$ $\frac{16}{16}$	$=$ $\frac{256}{144}$ $+$ $\frac{144}{144}$	$=$ $\frac{400}{144}$	$=$ $2 \frac{112}{144}$	$=$ $2 \frac{7}{9}$
$\frac{2}{16}$	$+$ $\frac{38}{2}$	$=$ $\frac{2}{16}$ $+$ $\frac{304}{16}$	$=$ $\frac{306}{16}$	$=$ $19 \frac{2}{16}$	$=$ $19 \frac{1}{8}$
$\frac{6}{17}$	$+$ $\frac{18}{14}$	$=$ $\frac{84}{238}$ $+$ $\frac{306}{238}$	$=$ $\frac{390}{238}$	$=$ $1 \frac{152}{238}$	$=$ $1 \frac{76}{119}$
$\frac{29}{12}$	$+$ $\frac{32}{8}$	$=$ $\frac{58}{24}$ $+$ $\frac{96}{24}$	$=$ $\frac{154}{24}$	$=$ $6 \frac{10}{24}$	$=$ $6 \frac{5}{12}$