

FRACTIONS – Add/Subtract Mixed

Numbers

STEP 1

Change mixed numbers to improper fractions

+/-
+

Mixed Number #1		Improper Fraction #1
$3 \frac{1}{2}$	=	$\frac{7}{\boxed{2}}$

Mixed Number #2		Improper Fraction #2
$2 \frac{3}{8}$	=	$\frac{19}{\boxed{8}}$

STEP 2

Find LCM of the two denominators

find LCM

$\boxed{2}$	=	$\frac{2}{2}$	$\frac{4}{4}$	$\frac{6}{6}$	$\frac{8}{8}$	—	—
$\boxed{8}$	=	$\frac{8}{8}$	$\frac{16}{16}$	—	—	—	—

circle the LCM for both numbers

STEP 3

Make Equivalent Fractions

Improper Fraction #1		Equivalent Improper Fraction #1
$\frac{7}{2}$	=	$\frac{28}{\boxed{8}}$ LCM
$\frac{7}{2} \xrightarrow{\times 4} \frac{28}{8}$ $\frac{28}{8} \xleftarrow{\times 4} \frac{7}{2}$		

Improper Fraction #2		Equivalent Improper Fraction #2
$\frac{19}{8}$	=	$\frac{19}{\boxed{8}}$ LCM
$\frac{19}{8} \xrightarrow{\times 1} \frac{19}{8}$ $\frac{19}{8} \xleftarrow{\times 1} \frac{19}{8}$		

STEP 4

Add the numerators

Equivalent Improper Fraction #1	+/-	Equivalent Improper Fraction #2		New Improper Fraction
$\frac{28}{\boxed{8}}$	+	$\frac{19}{\boxed{8}}$	=	$\frac{47}{\boxed{8}}$

STEP 5

Change to a mixed number

New Improper Fraction		New Mixed Number
$\frac{47}{\boxed{8}}$	=	$5 \frac{7}{\boxed{8}}$

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+/-

Mixed
Number #1

=

Improper
Fraction #1

Mixed
Number #2

=

Improper
Fraction #2

STEP 2

Find LCM of the two denominators

find
LCM

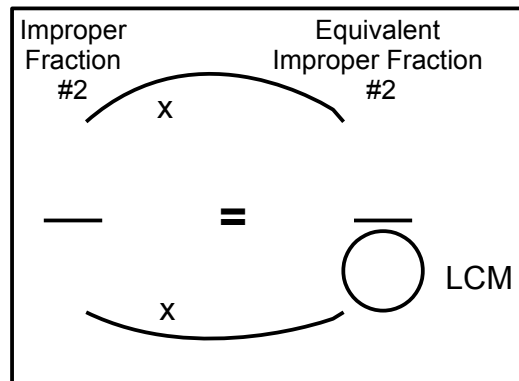
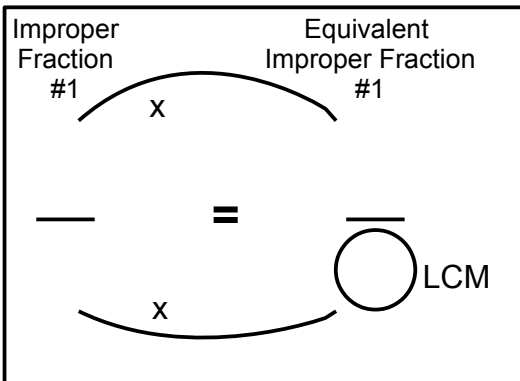
=

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circle the LCM for both numbers

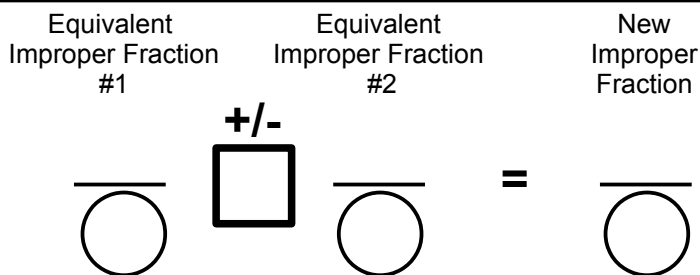
STEP 3

Make
Equivalent
Fractions



STEP 4

Add the numerators



STEP 5

Change to a mixed number

