## FRACTIONS GRADES 5 AND 6


#### Abstract

This workbook provides practice in working with fractional numbers and mixed numbers. Emphasis is placed upon addition, subbraction, multiplication, and division. Practice is also provided in renaming proper and improper fractions. The exercises correlate with the material on fractional numbers presented in basic middle grade mathematics texts. The pages are presented in a suggested order, but may be used in any order which best meets a child's needs.

Parents who wish their children to have practice in fractions will find the book as helpful as classroom teachers will find it. The exercises are presented so that a child can work with a minimum of supervision.


Answers are included in a four-page leaflet at the end of the book. This leaflet can be easily removed.
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## $\triangle$ DDING \& SUBTRACTING FRACTIONS.

Write each sum or difference in its simplest form.

| $\frac{7}{12}$ | $\frac{9}{11}$ | $\frac{11}{15}$ | $\frac{13}{15}$ |
| :---: | :---: | :---: | :---: |
| $+\frac{11}{12}$ | $-\frac{3}{11}$ | $-\frac{7}{15}$ | $+\frac{7}{15}$ |
|  | $-\frac{6}{7}$ | $\frac{1}{16}$ | $\frac{3}{20}$ |
| $\frac{13}{14}$ | $-\frac{3}{14}$ | $+\frac{3}{16}$ | $-\frac{1}{20}$ |

EXAMPLES:
$\frac{3}{8}=\frac{3}{8}$
$+\frac{1}{4}=+\frac{2}{8}$
$\square \quad 5$
$\frac{5}{8}$
$\frac{1}{2}=\frac{3}{6}$
$-\frac{1}{6}=-\frac{1}{6}$
$\overline{\frac{2}{6}}=\frac{1}{3}$

| $\begin{array}{r} \frac{3}{8} \\ +\quad 1 \\ \hline \end{array}$ | $\begin{array}{r} \frac{1}{2} \\ -\frac{1}{6} \end{array}$ | $\begin{array}{r} \frac{4}{9} \\ -\quad \frac{1}{3} \end{array}$ | $\begin{array}{r} 3 \\ +\quad 1 \\ +\frac{1}{4} \end{array}$ |
| :---: | :---: | :---: | :---: |
| $\begin{array}{r} \frac{2}{3} \\ +\quad 1 \\ \hline \end{array}$ | $\begin{array}{r} \frac{7}{16} \\ -\quad \frac{3}{8} \end{array}$ | $\begin{array}{r} 4 \\ \hline 5 \\ +\quad 2 \\ \hline 3 \end{array}$ | $\begin{array}{r} \frac{3}{4} \\ -\quad 1 \\ \hline \end{array}$ |
| $\begin{array}{r} 3 \\ \hline 4 \\ +\quad 2 \\ \hline \end{array}$ | $\begin{array}{r} \frac{9}{14} \\ -\quad \frac{1}{7} \end{array}$ | $\begin{array}{r} \frac{5}{8} \\ +\frac{1}{4} \end{array}$ | $\begin{array}{r} \frac{5}{6} \\ +\quad \frac{1}{12} \end{array}$ |

## $\triangle$ DDING MIXED NUMBERS.

EXAMPLE:


## $\triangle$ DDING MIXED NUMBERS.

Write each sum in its simplest form.


|  |
| ---: |
| $25 \frac{9}{10}$ |
| $+\quad 5 \frac{3}{5}$ |

$13 \frac{1}{6}$

$$
+8 \frac{1}{4}
$$

$$
4 \frac{1}{3}
$$

.
-

$$
+24 \frac{1}{6}
$$

$$
\begin{array}{r} 
\\
\hline 68 \frac{1}{2} \\
+25 \frac{3}{8} \\
\hline
\end{array}
$$

$$
\begin{aligned}
& \\
& \hline 72 \frac{3}{4}
\end{aligned}
$$

$$
\begin{array}{r}
72 \frac{3}{4} \\
+67 \frac{5}{8} \\
\hline
\end{array}
$$

$$
5 \frac{4}{9}
$$

$$
+21 \frac{2}{3}
$$

|  |  |
| :--- | :--- |

$37 \frac{5}{8}$
$+49 \frac{1}{4}$

## EXAMPLE:

 $35 \frac{7}{8}=35 \frac{7}{8} \star *$$$
+36 \frac{1}{2}=+36 \frac{4}{8}
$$

$$
71 \frac{11}{8}=72 \frac{3}{8}
$$

$11 \frac{1}{6} \quad 9 \frac{1}{2}$
$+9 \frac{1}{2}+13 \frac{1}{3}$
*

$$
\begin{array}{r|r}
7 \frac{1}{3} & 14 \frac{2}{3} \\
+19 \frac{3}{4} & +7 \frac{1}{2} \\
\hline
\end{array}
$$

