<u>Interchanging between Mixed & Top-heavy Fractions</u>



Section A

Mixed fraction	Calculation	Top-heavy (improper)
$3\frac{1}{2}$	$\frac{(3 \times 2 + 1)}{2}$	
$1\frac{2}{3}$	$\frac{(1\times3+2)}{3}$	
$2\frac{1}{5}$	$\frac{(2 \times 5 + 1)}{5}$	
$3\frac{1}{4}$	$(3 \times 4 + 1)$	
$1\frac{3}{7}$	$\frac{(1 \times 7 + 3)}{}$	
$5\frac{1}{6}$	$(5 \times 6 + 1)$	
$4\frac{2}{5}$	<u>(</u>)	
$3\frac{1}{4}$	()	
$2\frac{7}{10}$	<u>()</u> 10	

Mixed fraction	Calculation	Top-heavy (improper)
$2\frac{3}{4}$		
$4\frac{1}{3}$		
$2\frac{3}{5}$		
$3\frac{2}{7}$		
$6\frac{1}{11}$		
$7\frac{3}{10}$		
$4\frac{5}{12}$		
$9\frac{2}{3}$		
$11\frac{2}{9}$		

Section B

Mixed fraction	Calculation	Top-heavy (improper)
		<u>5</u> 3
		5 4 3 9
	111111111	$\frac{\overline{7}}{7}$
	1111111111	$\frac{10}{7}$
	111111111	7 9 5
		5 8 - 3 10
	1111111111	
		$\begin{array}{r} 3 \\ 13 \\ \hline 5 \end{array}$

Mixed	Calculation	Top-heavy
fraction		(improper)
		7
		$\frac{\overline{4}}{4}$
		<u>4</u> 5
		<u>2</u> 9
		9
		$\frac{\overline{4}}{11}$
		11
		4
		4 12
		5 9
		9
		$\frac{\overline{2}}{13}$
		13
		4 15
		15
		7
		7 25
		6

Section C

Mixed fraction	Calculation	Top-heavy (improper)
Jraction		9
		- 5
		14
		3 16
		5 12
		$\frac{12}{7}$
$4\frac{2}{3}$,
$7\frac{1}{8}$		
$3\frac{2}{11}$		
$2\frac{3}{20}$		
$8\frac{7}{12}$		

Mixed fraction	Calculation	Top-heavy (improper)
$6\frac{1}{2}$		
		$\frac{16}{3}$
$7\frac{1}{9}$		
$\frac{7-9}{9}$ $4\frac{4}{5}$		
		$\frac{15}{4}$
$10\frac{4}{7}$		
		$\frac{15}{2}$
		$\frac{\overline{2}}{20}$
$12\frac{2}{11}$		

Section D: Simplify fractions where possible

Mixed fraction	Improper Fraction
$1\frac{7}{9}$	
$6\frac{2}{11}$	
$6\frac{1}{11}$ $8\frac{3}{5}$	
11 $\frac{1}{1}$	
$5\frac{3}{8}$	
$4\frac{7}{12}$	
$12\frac{1}{9}$	
$ \begin{array}{r} 4 \frac{1}{12} \\ 12 \frac{1}{9} \\ 8 \frac{2}{7} \end{array} $	
15 3	
$13\frac{1}{10}$ $13\frac{1}{2}$	
$4\frac{9}{20}$	
$\frac{7}{20}$ $1\frac{13}{33}$	
$2\frac{11}{45}$	

Mixed	Improper
fraction	Fraction
	8
	3 18
	18
	5
	5 14
	$\frac{\overline{4}}{16}$
	16
	6
	6 15
	9
	15
	30
	9
	$\frac{\overline{12}}{32}$
	32
	12 42
	42
	12 56
	<u>56</u>
	20 64
	<u>64</u>
	10 81
	18