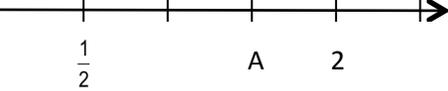# SKILL BOOSTERS:
FRACTION ADDITION AND SUBTRACTION

*Students may be asked to draw pictures first, or asked to draw pictures as an intervention if they get the problems incorrect.

Description	Problem prompts / examples	Reference Gr 6, RG1
Proper + or – (diagram)*	Show with diagram : OR Compute: (Level 1) $\dfrac{2}{7}+\dfrac{4}{7}, \dfrac{5}{7}-\dfrac{2}{7}, \dfrac{3}{7}+\dfrac{5}{7}$	pg 37, 38
Proper + or – (compute)	(Level 2) $\dfrac{3}{8}+\dfrac{1}{4}, \dfrac{7}{8}+\dfrac{3}{4}, \dfrac{3}{8}-\dfrac{1}{4}$ (Level 3) $\dfrac{2}{5}+\dfrac{1}{4}, \dfrac{3}{5}+\dfrac{3}{4}, \dfrac{2}{5}-\dfrac{1}{4}$	
Fract + or – (mentally)	Compute mentally: $2\dfrac{1}{3}+6+5\dfrac{2}{3}, \ 2\dfrac{3}{4}+4\dfrac{2}{7}+5\dfrac{1}{4}$	pg 39
Whole – fract (diagram)*	Show with diagram : OR Compute mentally: (Level1) $1-\dfrac{1}{4}, \ \ 1-\dfrac{3}{4}$	pg 39
Whole – fract (mentally)	(Level 2) $3-\dfrac{3}{4}$ (Think : $3-\dfrac{3}{4}= 2+(1-\dfrac{3}{4})$) (Level 3) $4-1\dfrac{3}{4}$ (Think: $4-1\dfrac{3}{4}=3-\dfrac{3}{4}$)	
Fract + (diagram)*	Show with diagram: OR Compute (as mixed numbers): OR Compute (as improper fractions: (Level 1) $1\dfrac{1}{8}+2\dfrac{3}{4}, \ 1\dfrac{7}{8}+2\dfrac{3}{4}$	pg 40,43
Fract + (compute)	(Level 2) $2\dfrac{1}{3}+5\dfrac{2}{5}, \ \ 3\dfrac{2}{3}+5\dfrac{4}{5}$	
Fract – (diagram)*	Show with diagram: OR Compute (as mixed numbers): OR Compute (as improper fractions: (Level 1) $5\dfrac{2}{3}-3\dfrac{1}{6}, \ 5\dfrac{2}{3}-3\dfrac{2}{5}$	pg 41-43
Fract – (compute)	(Level 2) $5\dfrac{1}{3}-3\dfrac{2}{5}, \ \ 5\dfrac{1}{2}-1\dfrac{3}{5}$	
number line (fract)	Find A: 	

SKILL BOOSTERS:
FRACTION ADDITION AND SUBTRACTION (Continued)

Skills rotation: Each week students practice four of the skills daily.

5 weeks	A	B	C	D (Review)
Week 1	Proper + or – (diagram)	Proper + or – (compute)	Fract + or – (mentally)	whole (mult) equiv (big 1)
Week 2	Whole – fract (diagram)	Whole – fract (mentally)	Fract + (diagram)	whole (div) equiv (mixed)
Week 3	Fract – (diagram)	Fract + (compute)	Fract + or – (mentally)	order of ops number lines (whole)
Week 4	Fract – (compute)	number line (fract)	Fract + (compute)	order fractions whole (div)
Week 5	Fract + (compute)	Fract – (Compute)	number line (fract)	equiv (big 1) notation

Example (Week 1): Write problems on board. Students do work in a notebook or on a provided template.

Wk 1	A	B	C	D (Review)
Day 1	Show with a diagram: $\dfrac{1}{4}+\dfrac{3}{4}$	Compute: $\dfrac{1}{4}+\dfrac{3}{4}$	Compute mentally: $1\dfrac{1}{4}+3\dfrac{3}{4}$	Compute: 65(17)
Day 2	Show with a diagram: $\dfrac{5}{6}-\dfrac{1}{6}$	Compute: $\dfrac{5}{6}-\dfrac{1}{6}$	Compute mentally: $3\dfrac{5}{6}-1\dfrac{1}{6}+\dfrac{1}{6}$	Find n: $\dfrac{3}{8}=\dfrac{n}{40}$
Day 3	Show with a diagram: $\dfrac{3}{4}+\dfrac{1}{2}$	Compute: $\dfrac{3}{4}+\dfrac{1}{2}$	Compute mentally: $2+\dfrac{3}{4}-1\dfrac{1}{4}$	Compute: (805)(3020)
Day 4	Show with a diagram: $\dfrac{1}{2}-\dfrac{1}{3}$	Compute: $\dfrac{1}{2}-\dfrac{1}{3}$	Compute mentally: $2\dfrac{1}{3}+6+5\dfrac{2}{3}$	Write in simplest form: $\dfrac{90}{60}$

Name _____ Period_____ Week of _____

A		
B		
C		
D		

List the skills worked on this week, and rank your comfort with the skill.

Skill	don't get it	kind of get it	really get it
	1	2	3
	1	2	3
	1	2	3
	1	2	3