

SKILL BOOSTERS: FRACTION CONCEPTS

Description	Problem prompts / examples	Resource Guide
notation	Write 4 divided by 10 in three different ways. Write $\frac{4}{10}$ in three different ways. Write $4 \div 10$ in three different ways. Write $10\overline{)4}$ in three different ways.	
fractions models	Draw a picture of $\frac{1}{4}$ using a set model. Draw a picture of $\frac{1}{4}$ using an area model. Draw a picture of $\frac{1}{4}$ using a linear model.	Fraction Concepts Pgs. 1, 2
order fractions	Place $\frac{1}{2}$, $\frac{1}{3}$, $\frac{3}{4}$ on a number line. Explain your reasoning.	Fraction Concepts Pg. 3
equivalence with diagrams	Show that $\frac{1}{2} = \frac{2}{4}$ using a diagram.	Fraction Concepts Pgs. 5, 6
equivalence with the multiplicative identity (Big 1)	Use the Big 1 to find n: $\frac{3}{4} = \frac{n}{12}$ Use the Big 1 write $\frac{20}{24}$ in simplest form.	Fraction Concepts Pg. 4
equivalence with mixed numbers	Write $3\frac{3}{4}$ as a sum. Write $3\frac{3}{4}$ as an improper fraction. Write $\frac{8}{3}$ as a mixed number and as a sum.	Fraction Concepts Pgs. 6, 7
number lines	Locate $5\frac{1}{2}$ on a number line. Locate $-2\frac{3}{4}$ on a number line.	Fraction Concepts Pg. 6

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

5-week plan	A	B	C	D
Week 1	notation	fraction models	mult by 10, whole (add/subt)	order fractions
Week 2	identify factors, whole (mult)	equiv (Big 1)	equiv (mixed #s)	equiv (diagram)
Week 3	notation	equiv (diagram)	LCM/GCF whole (div)	number lines
Week 4	order of ops whole (mult)	fraction models	order fractions	equiv (Big 1)
Week 5	number lines	equiv (mixed #)	whole (div)	order fractions