

SKILL BOOSTERS

FRACTION CONCEPTS

SKILL BOOSTERS: FRACTION CONCEPTS

Description	Problem Prompts / Examples	Resource Guide	Pre/Post Assessment Problems
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.		1
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.	Pages 1-2	2
Order fractions	Place $\frac{1}{2}$, $\frac{1}{3}$, $\frac{3}{4}$ on a number line. Explain your reasoning.	Page 3	3
Equivalence with diagrams	Show that $\frac{1}{2} = \frac{2}{4}$ using a diagram.	Pages 5-6	4
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.	Page 4	5, 6
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.	Pages 6-7	7, 8, 9
Number lines	Locate $5\frac{1}{2}$ on a number line. Locate $-2\frac{3}{4}$ on a number line.		10

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

5-week plan	A	B	C	D
Week 1	Notation	Fraction models	Multiply by 10, whole numbers (add/subtract)	Order fractions
Week 2	Identify factors, whole (multiplication)	Equivalence (big 1)	Equivalence (mixed numbers)	Equivalence (diagram)
Week 3	Notation	Equivalence (diagram)	LCM/GCF whole (division)	Number lines
Week 4	Order of operations whole (multiplication)	Fraction models	Order fractions	Equivalence (big 1)
Week 5	Number lines	Equivalence (mixed numbers)	Whole (division)	Order fractions