

8-1 Understand Equivalent Fractions

I can identify equivalent fractions and describe them using fraction models.

Numbers & Operation - Fractions: Develop understanding of fractions as numbers.

3.NF.A.3: Explain equivalence of fractions in special cases, and compare fractions by reasoning about their size.

*Grade 3 expectations in this domain are limited to fractions with denominators 2, 3, 4, 6, and 8.

3.NF.A.3.a: Understand two fractions as equivalent (equal) if they are the same size, or the same point on a number line.

8-2 Represent Equivalent Fractions

I can show and explain the equivalence of two fractions using fraction models.

Numbers & Operation - Fractions: Develop understanding of fractions as numbers.

3.NF.A.3: Explain equivalence of fractions in special cases, and compare fractions by reasoning about their size.

*Grade 3 expectations in this domain are limited to fractions with denominators 2, 3, 4, 6, and 8.

3.NF.A.3.b: Recognize and generate simple equivalent fractions, e.g., $\frac{1}{2} = \frac{2}{4}$, $\frac{4}{6} = \frac{2}{3}$. Explain why the fractions are equivalent, e.g., by using a visual fraction model.

8-3 Represent Equivalent Fractions on a Number Line

I can use number lines to show and explain equivalent fractions.

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3.NF.A.3: Explain equivalence of fractions in special cases, and compare fractions by reasoning about their size.

*Grade 3 expectations in this domain are limited to fractions with denominators 2, 3, 4, 6, and 8.

3.NF.A.3.a: Understand two fractions as equivalent (equal) if they are the same size, or the same point on a number line.

3.NF.A.3.b: Recognize and generate simple equivalent fractions, e.g., $1/2 = 2/4$, $4/6 = 2/3$. Explain why the fractions are equivalent, e.g., by using a visual fraction model.

8-4 Understand Fractions of Different Wholes

I can compare fractions when they represent the same whole and explain why that's important.

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3.NF.A.3: Explain equivalence of fractions in special cases, and compare fractions by reasoning about their size.

*Grade 3 expectations in this domain are limited to fractions with denominators 2, 3, 4, 6, and 8.

3.NF.A.3.d: Compare two fractions with the same numerator or the same denominator by reasoning about their size. Recognize that comparisons are valid only when the two fractions refer to the same whole. Record the results of comparisons with the symbols $>$, $=$, or $<$, and justify the conclusions, e.g., by using a visual fraction model.

8-5 Compare Fractions with the Same Denominator

I can compare fractions that have matching denominators but different numerators.

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3.NF.A.3: Explain equivalence of fractions in special cases, and compare fractions by reasoning about their size.

*Grade 3 expectations in this domain are limited to fractions with denominators 2, 3, 4, 6, and 8.

3.NF.A.3.d: Compare two fractions with the same numerator or the same denominator by reasoning about their size. Recognize that comparisons are valid only when the two fractions refer to the same whole. Record the results of comparisons with the symbols $>$, $=$, or $<$, and justify the conclusions, e.g., by using a visual fraction model.

8-6 Compare Fractions with the Same Numerator

I can compare fractions that have matching numerators but different denominators.

Numbers & Operation - Fractions: Develop understanding of fractions as numbers.

3.NF.A.3: Explain equivalence of fractions in special cases, and compare fractions by reasoning about their size.

*Grade 3 expectations in this domain are limited to fractions with denominators 2, 3, 4, 6, and 8.

3.NF.A.3.d: Compare two fractions with the same numerator or the same denominator by reasoning about their size. Recognize that comparisons are valid only when the two fractions refer to the same whole. Record the results of comparisons with the symbols $>$, $=$, or $<$, and justify the conclusions, e.g., by using a visual fraction model.

8-7 Compare Fractions

I can use fraction models and number lines to compare fractions.

Numbers & Operation - Fractions: Develop understanding of fractions as numbers.

3.NF.A.3.b: Recognize and generate simple equivalent fractions, e.g., $1/2 = 2/4$, $4/6 = 2/3$). Explain why the fractions are equivalent, e.g., by using a visual fraction model.

3.NF.A.3.d: Compare two fractions with the same numerator or the same denominator by reasoning about their size. Recognize that comparisons are valid only when the two fractions refer to the same whole. Record the results of comparisons with the symbols $>$, $=$, or $<$, and justify the conclusions, e.g., by using a visual fraction model.