Adding and Subtracting Fraction Models

1. Area Model

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Draw fifth horizontally Draw thirds horizontally

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Addition Sentence = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Draw thirds horizontally Draw fifth horizontally

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Subtraction Equation = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Linear Model

3/5 + 1/2

 0 1/5 2/5 3/5 4/5 1

 0 1/2 1

 0 1/10 2/10 3/10 4/10 5/10 6/10 7/10 8/10 9/10 1

1. Whole Number X Decimal

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1. What is the multiplication sentence for this model (fraction X Fraction)

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1. Mixed number X Fraction

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6)

Distributive Model

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Equation:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ X \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Division (Fraction divided by a whole number)**

 **What is the equation and answer for this model**?

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 Equation\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ answer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write the division sentence and quotient for this model

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| 1/3 | 1/3 | 1/3 |

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| 1/3 | 1/3 | 1/3 |

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**Area Model**

9) Kevin flattens a cardboard box and measures its sides. It measures 3 3/4 feet by 1 1/4 feet. What is the area of the flattened box? Use the area model to help you (outline in a color your answer section

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| 1 |  |  | 1/4 |  |  |  |
| 1/4 |  |  |  |  |  |  |
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