

Adding Fractions Using Visual Models

Answer Key

Observe each fraction model and complete the addition equation.

1)

$\frac{1}{2}$	$\frac{1}{2}$				
+	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <td style="width: 25%; text-align: center;">$\frac{1}{4}$</td> <td style="width: 25%; text-align: center;">$\frac{1}{4}$</td> <td style="width: 25%; text-align: center;">$\frac{1}{4}$</td> <td style="width: 25%; text-align: center;">$\frac{1}{4}$</td> </tr> </table>	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$		

$$\frac{1}{2} + \frac{3}{4} = \frac{5}{4}$$

2)

$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$																					
+	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <td style="width: 10%; text-align: center;">$\frac{1}{12}$</td> <td style="width: 10%; text-align: center;">$\frac{1}{12}$</td> <td style="width: 10%; text-align: center;">$\frac{1}{12}$</td> <td style="width: 10%; text-align: center;">$\frac{1}{12}$</td> <td style="width: 10%; text-align: center;">$\frac{1}{12}$</td> <td style="width: 10%; text-align: center;">$\frac{1}{12}$</td> <td style="width: 10%; text-align: center;">$\frac{1}{12}$</td> <td style="width: 10%; text-align: center;">$\frac{1}{12}$</td> <td style="width: 10%; text-align: center;">$\frac{1}{12}$</td> <td style="width: 10%; text-align: center;">$\frac{1}{12}$</td> <td style="width: 10%; text-align: center;">$\frac{1}{12}$</td> <td style="width: 10%; text-align: center;">$\frac{1}{12}$</td> </tr> </table>												$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$
$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$													

$$\frac{1}{4} + \frac{5}{12} = \frac{2}{3}$$

3)

$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$																
+	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <td style="width: 10%; text-align: center;">$\frac{1}{10}$</td> <td style="width: 10%; text-align: center;">$\frac{1}{10}$</td> <td style="width: 10%; text-align: center;">$\frac{1}{10}$</td> <td style="width: 10%; text-align: center;">$\frac{1}{10}$</td> <td style="width: 10%; text-align: center;">$\frac{1}{10}$</td> <td style="width: 10%; text-align: center;">$\frac{1}{10}$</td> <td style="width: 10%; text-align: center;">$\frac{1}{10}$</td> <td style="width: 10%; text-align: center;">$\frac{1}{10}$</td> <td style="width: 10%; text-align: center;">$\frac{1}{10}$</td> <td style="width: 10%; text-align: center;">$\frac{1}{10}$</td> </tr> </table>										$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$
$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$											

$$\frac{3}{5} + \frac{7}{10} = \frac{13}{10}$$

4)

$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$																
+	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <td style="width: 11%; text-align: center;">$\frac{1}{9}$</td> <td style="width: 11%; text-align: center;">$\frac{1}{9}$</td> <td style="width: 11%; text-align: center;">$\frac{1}{9}$</td> <td style="width: 11%; text-align: center;">$\frac{1}{9}$</td> <td style="width: 11%; text-align: center;">$\frac{1}{9}$</td> <td style="width: 11%; text-align: center;">$\frac{1}{9}$</td> <td style="width: 11%; text-align: center;">$\frac{1}{9}$</td> <td style="width: 11%; text-align: center;">$\frac{1}{9}$</td> <td style="width: 11%; text-align: center;">$\frac{1}{9}$</td> </tr> </table>									$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$
$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$										

$$\frac{2}{3} + \frac{4}{9} = \frac{10}{9}$$

5)

$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	
+	$\frac{1}{2}$				$\frac{1}{2}$			

$$\frac{5}{8} + \frac{1}{2} = \frac{9}{8}$$