| Half | $\frac{1}{2}$ |  |

**Use For**

| 0 | | $\frac{1}{2}$ | | 1 |

$\frac{1}{2}$

| $\frac{0}{2}$ | $\frac{1}{2}$ | $\frac{2}{2}$ |

## Quarter $\frac{1}{4}$

**Use For**

$\frac{1}{4}$

$\frac{1}{2}$

| 0 | $\frac{1}{4}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 |

$\frac{0}{4}$      $\frac{1}{4}$      $\frac{2}{4}$      $\frac{3}{4}$      $\frac{4}{4}$

**Third**  $\frac{1}{3}$

Use For

$\frac{1}{3}$

| 0 | $\frac{1}{3}$ | $\frac{2}{3}$ | 1 |

$\frac{0}{3}$ $\qquad$ $\frac{1}{3}$ $\qquad$ $\frac{2}{3}$ $\qquad$ $\frac{3}{3}$

Sixth $\frac{1}{6}$

Use For

$\frac{1}{2}$

$\frac{1}{3}$

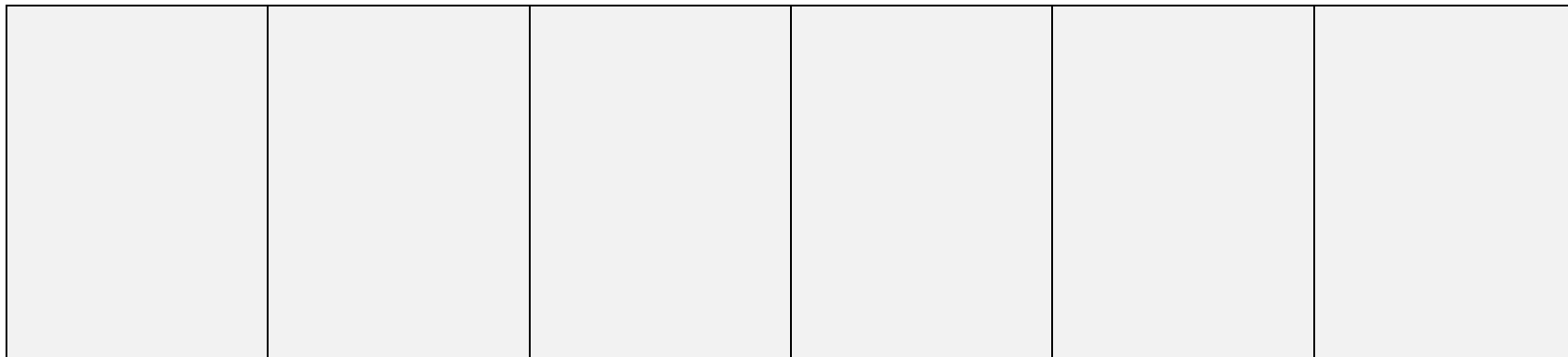$\frac{1}{6}$

| 0 | $\frac{1}{6}$ | $\frac{1}{3}$ | $\frac{1}{2}$ | $\frac{2}{3}$ | $\frac{5}{6}$ | 1 |

$\frac{0}{6}$ $\frac{1}{6}$ $\frac{2}{6}$ $\frac{3}{6}$ $\frac{4}{6}$ $\frac{5}{6}$ $\frac{6}{6}$

**Eighth** $\dfrac{1}{8}$

Use For

$\dfrac{1}{2}$    $\dfrac{1}{4}$    $\dfrac{1}{8}$
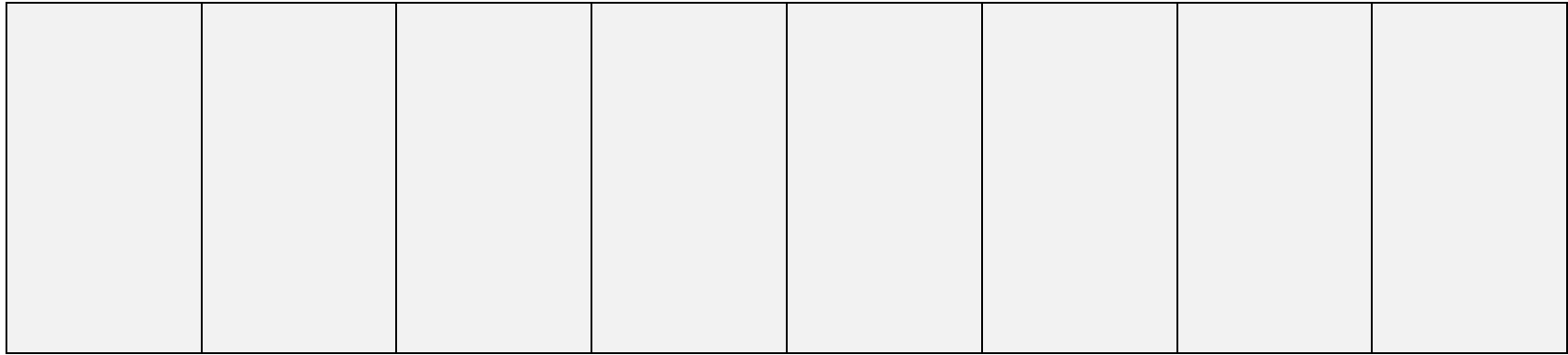
| 0 | $\dfrac{1}{8}$ | $\dfrac{1}{4}$ | $\dfrac{3}{8}$ | $\dfrac{1}{2}$ | $\dfrac{5}{8}$ | $\dfrac{3}{4}$ | $\dfrac{7}{8}$ | 1 |

$\dfrac{0}{8}$    $\dfrac{1}{8}$    $\dfrac{2}{8}$    $\dfrac{3}{8}$    $\dfrac{4}{8}$    $\dfrac{5}{8}$    $\dfrac{6}{8}$    $\dfrac{7}{8}$    $\dfrac{8}{8}$

**Twelve** $\frac{1}{12}$

**Use For**

$\frac{1}{2}$

$\frac{1}{3}$

$\frac{1}{4}$

$\frac{1}{6}$

$\frac{1}{12}$

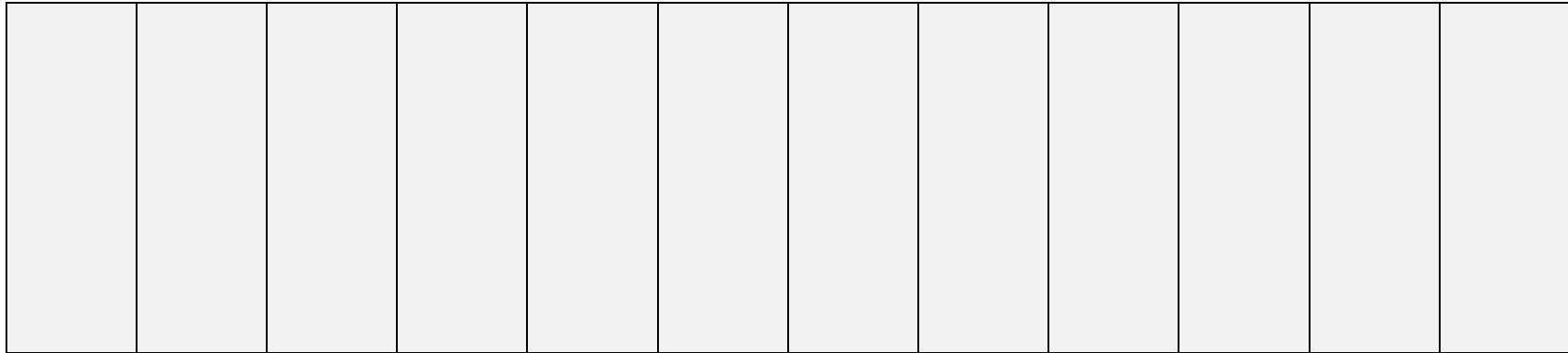| 0 | $\frac{1}{12}$ | $\frac{1}{6}$ | $\frac{1}{4}$ | $\frac{1}{3}$ | $\frac{5}{12}$ | $\frac{1}{2}$ | $\frac{7}{12}$ | $\frac{2}{3}$ | $\frac{3}{4}$ | $\frac{5}{6}$ | $\frac{11}{12}$ | 1 |

| $\frac{0}{12}$ | $\frac{1}{12}$ | $\frac{2}{12}$ | $\frac{3}{12}$ | $\frac{4}{12}$ | $\frac{5}{12}$ | $\frac{6}{12}$ | $\frac{7}{12}$ | $\frac{8}{12}$ | $\frac{9}{12}$ | $\frac{10}{12}$ | $\frac{11}{12}$ | $\frac{12}{12}$ |

| $\frac{1}{2}$ | | $\frac{1}{2}$ | |
|---|---|---|---|
| $\frac{1}{3}$ | | $\frac{1}{3}$ | $\frac{1}{3}$ |
| $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ |

| $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ |
|---|---|---|---|---|---|

| $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ |
|---|---|---|---|---|---|---|---|

| $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|

| | | |
|---|---|---|
| $\frac{1}{2}$  $\frac{1}{3}$ <br><br> $\frac{1}{2} + \frac{1}{3} =$ | $\frac{1}{3}$  $\frac{1}{3}$  $\frac{1}{4}$ <br><br> $\frac{2}{3} + \frac{1}{4} =$ | $\frac{1}{3}$  $\frac{1}{6}$ <br><br> $\frac{1}{3} + \frac{1}{6} =$ |
| $\frac{1}{3}$  $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ <br><br> $\frac{1}{3} + \frac{5}{12} =$ | $\frac{1}{2}$  $\frac{1}{2}$ <br><br> $\frac{1}{2} + \frac{1}{2} =$ | $\frac{1}{3}$  $\frac{1}{3}$ <br><br> $\frac{1}{3} + \frac{1}{3} =$ |

$\frac{1}{3}$ is equivalent to $\frac{2}{6}$

So $\frac{1}{3}$ + $\frac{1}{6}$ = $\frac{2}{6}$ + $\frac{1}{6}$ = $\frac{3}{6}$ = $\frac{1}{2}$

**Answer: $\frac{1}{2}$**

$\frac{2}{3}$ is equivalent to $\frac{8}{12}$,    $\frac{1}{4}$ is equivalent to $\frac{3}{12}$

So $\frac{2}{3}$ + $\frac{1}{4}$ = $\frac{8}{12}$ + $\frac{3}{12}$ = $\frac{11}{12}$

**Answer: $\frac{11}{12}$**

$\frac{1}{2}$ is equivalent to $\frac{3}{6}$,    $\frac{1}{3}$ is equivalent to $\frac{2}{6}$

So $\frac{1}{2}$ + $\frac{1}{3}$ = $\frac{3}{6}$ + $\frac{2}{6}$ = $\frac{5}{6}$

**Answer: $\frac{5}{6}$**

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

**Answer: $\frac{2}{3}$**

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

**Answer: 1**

$\frac{1}{3}$ is equivalent to $\frac{4}{12}$

So $\frac{1}{3}$ + $\frac{5}{12}$ = $\frac{4}{12}$ + $\frac{5}{12}$ = $\frac{9}{12}$ = $\frac{3}{4}$

**Answer: $\frac{3}{4}$**

| | | |
|---|---|---|
| $\frac{1}{4}$ $\frac{1}{4}$ | $\frac{1}{2}$ $\frac{1}{4}$ | $\frac{1}{2}$ $\frac{1}{6}$ |
| $\dfrac{1}{4}$ + $\dfrac{1}{4}$ = | $\dfrac{1}{2}$ + $\dfrac{1}{4}$ = | $\dfrac{1}{2}$ + $\dfrac{1}{6}$ = |
| $\frac{1}{2}$ $\frac{1}{8}$ | $\frac{1}{2}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ | $\frac{1}{2}$ $\frac{1}{12}$ |
| $\dfrac{1}{2}$ + $\dfrac{1}{8}$ = | $\dfrac{1}{2}$ + $\dfrac{3}{8}$ = | $\dfrac{1}{2}$ + $\dfrac{1}{12}$ = |

$\frac{1}{2}$ is equivalent to $\frac{3}{6}$

So $\frac{1}{2}$ + $\frac{1}{6}$ = $\frac{3}{6}$ + $\frac{1}{6}$ = $\frac{4}{6}$ = $\frac{2}{3}$

**Answer:** $\frac{2}{3}$

$\frac{1}{2}$ is equivalent to $\frac{2}{4}$

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

**Answer:** $\frac{3}{4}$

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

**Answer:** $\frac{1}{2}$

$\frac{1}{2}$ is equivalent to $\frac{6}{12}$

So $\frac{1}{2}$ + $\frac{1}{12}$ = $\frac{6}{12}$ + $\frac{1}{12}$ = $\frac{7}{12}$

**Answer:** $\frac{7}{12}$

$\frac{1}{2}$ is equivalent to $\frac{4}{8}$

$\frac{1}{2}$ + $\frac{3}{8}$ = $\frac{4}{8}$ + $\frac{3}{8}$ = $\frac{7}{8}$

**Answer:** $\frac{7}{8}$

$\frac{1}{2}$ is equivalent to $\frac{4}{8}$

$\frac{1}{2}$ + $\frac{1}{8}$ = $\frac{4}{8}$ + $\frac{1}{8}$ = $\frac{5}{8}$

**Answer:** $\frac{5}{8}$

| | | |
|---|---|---|
| $\frac{1}{2}$  $\frac{1}{3}$ <br><br> $\dfrac{1}{2}$ $+$ $\dfrac{1}{3}$ $=$ | $\frac{1}{3}$  $\frac{1}{3}$  $\frac{1}{6}$ <br><br> $\dfrac{2}{3}$ $+$ $\dfrac{1}{6}$ $=$ | $\frac{1}{3}$  $\frac{1}{12}$ <br><br> $\dfrac{1}{3}$ $+$ $\dfrac{1}{12}$ $=$ |
| $\frac{1}{4}$  $\frac{1}{6}$ <br><br> $\dfrac{1}{4}$ $+$ $\dfrac{1}{6}$ $=$ | $\frac{1}{4}$  $\frac{1}{4}$  $\frac{1}{4}$  $\frac{1}{6}$ <br><br> $\dfrac{3}{4}$ $+$ $\dfrac{1}{6}$ $=$ | $\frac{1}{4}$  $\frac{1}{12}$ <br><br> $\dfrac{1}{4}$ $+$ $\dfrac{1}{12}$ $=$ |

$\frac{1}{3}$ is equivalent to $\frac{4}{12}$

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

**Answer:** $\frac{5}{12}$

$\frac{2}{3}$ is equivalent to $\frac{4}{6}$

So $\frac{2}{3}$ + $\frac{1}{6}$ = $\frac{4}{6}$ + $\frac{1}{6}$ = $\frac{5}{6}$

**Answer:** $\frac{5}{6}$

$\frac{1}{2}$ is equivalent to $\frac{3}{6}$, $\frac{1}{3}$ is equivalent to $\frac{2}{6}$

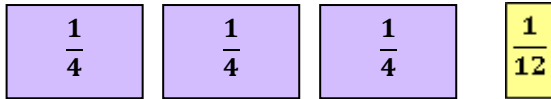So $\frac{1}{2}$ + $\frac{1}{3}$ = $\frac{3}{6}$ + $\frac{2}{6}$ = $\frac{5}{6}$

**Answer:** $\frac{5}{6}$

$\frac{1}{4}$ is equivalent to $\frac{3}{12}$

So $\frac{1}{4}$ + $\frac{1}{12}$ = $\frac{3}{12}$ + $\frac{1}{12}$ = $\frac{4}{12}$ = $\frac{1}{3}$

**Answer:** $\frac{1}{3}$

$\frac{3}{4}$ is equivalent to $\frac{9}{12}$, $\frac{1}{6}$ is equivalent to $\frac{2}{12}$

So $\frac{3}{4}$ + $\frac{1}{6}$ = $\frac{9}{12}$ + $\frac{2}{12}$ = $\frac{11}{12}$
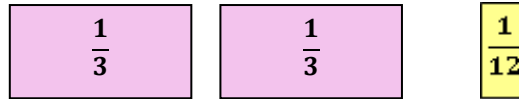
**Answer:** $\frac{11}{12}$

$\frac{1}{4}$ is equivalent to $\frac{3}{12}$, $\frac{1}{6}$ is equivalent to $\frac{2}{12}$

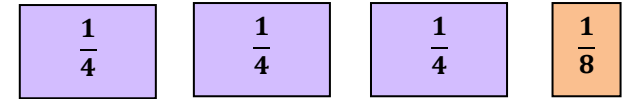So $\frac{1}{4}$ + $\frac{1}{6}$ = $\frac{3}{12}$ + $\frac{2}{12}$ = $\frac{5}{12}$
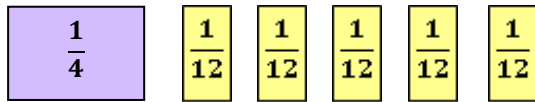
**Answer:** $\frac{5}{12}$
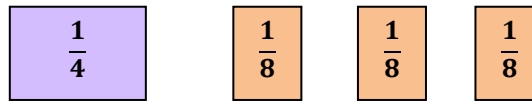
| | | |
|---|---|---|
| $\boxed{\frac{1}{4}}$ $\boxed{\frac{1}{4}}$ $\boxed{\frac{1}{4}}$ $\boxed{\frac{1}{12}}$ | $\boxed{\frac{1}{3}}$ $\boxed{\frac{1}{3}}$ $\boxed{\frac{1}{12}}$ | $\boxed{\frac{1}{4}}$ $\boxed{\frac{1}{4}}$ $\boxed{\frac{1}{4}}$ $\boxed{\frac{1}{8}}$ |
| $\dfrac{3}{4} + \dfrac{1}{12} =$ | $\dfrac{2}{3} + \dfrac{1}{12} =$ | $\dfrac{3}{4} + \dfrac{1}{8} =$ |
| $\boxed{\frac{1}{4}}$ $\boxed{\frac{1}{12}}$ $\boxed{\frac{1}{12}}$ $\boxed{\frac{1}{12}}$ $\boxed{\frac{1}{12}}$ $\boxed{\frac{1}{12}}$ | $\boxed{\frac{1}{4}}$ $\boxed{\frac{1}{8}}$ $\boxed{\frac{1}{8}}$ $\boxed{\frac{1}{8}}$ | $\boxed{\frac{1}{6}}$ $\boxed{\frac{1}{12}}$ |
| $\dfrac{1}{4} + \dfrac{5}{12} =$ | $\dfrac{1}{4} + \dfrac{3}{8} =$ | $\dfrac{1}{6} + \dfrac{1}{12} =$ |

Hint: Use the $\frac{1}{8}$ board

$\frac{3}{4}$ is equivalent to $\frac{6}{8}$

$\frac{3}{4} + \frac{1}{8} = \frac{6}{8} + \frac{1}{8} = \frac{7}{8}$

Answer: $\frac{7}{8}$

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Hint: Use the $\frac{1}{12}$ board

$\frac{2}{3}$ is equivalent to $\frac{8}{12}$

So $\frac{2}{3} + \frac{1}{12} = \frac{8}{12} + \frac{1}{12} = \frac{9}{12} = \frac{3}{4}$

Answer: $\frac{3}{4}$

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Hint: Use the $\frac{1}{12}$ board

$\frac{3}{4}$ is equivalent to $\frac{9}{12}$

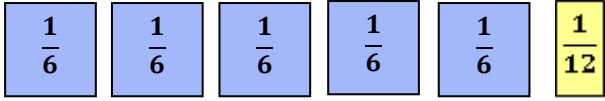So $\frac{3}{4} + \frac{1}{12} = \frac{9}{12} + \frac{1}{12} = \frac{10}{12} = \frac{5}{6}$

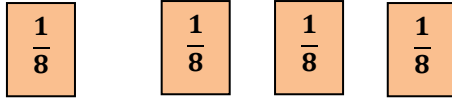Answer: $\frac{5}{6}$

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Hint: Use the $\frac{1}{12}$ board

$\frac{1}{6}$ is equivalent to $\frac{2}{12}$

So $\frac{1}{6} + \frac{1}{12} = \frac{2}{12} + \frac{1}{12} = \frac{3}{12} = \frac{1}{4}$

Answer: $\frac{1}{4}$

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Hint: Use the $\frac{1}{8}$ board

$\frac{1}{4}$ is equivalent to $\frac{2}{8}$

$\frac{1}{4} + \frac{3}{8} = \frac{2}{8} + \frac{3}{8} = \frac{5}{8}$

Answer: $\frac{5}{8}$

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Hint: Use the $\frac{1}{12}$ board

$\frac{1}{4}$ is equivalent to $\frac{3}{12}$

So $\frac{1}{4} + \frac{5}{12} = \frac{3}{12} + \frac{5}{12} = \frac{8}{12} = \frac{2}{3}$
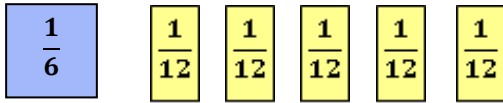
Answer: $\frac{2}{3}$

| | | |
|---|---|---|
| $\boxed{\frac{1}{6}}$ $\boxed{\frac{1}{6}}$ $\boxed{\frac{1}{6}}$ $\boxed{\frac{1}{6}}$ $\boxed{\frac{1}{6}}$ $\boxed{\frac{1}{12}}$ | $\boxed{\frac{1}{8}}$ $\boxed{\frac{1}{8}}$ $\boxed{\frac{1}{8}}$ $\boxed{\frac{1}{8}}$ | $\boxed{\frac{1}{8}}$ $\boxed{\frac{1}{8}}$ |
| $$\frac{5}{6} + \frac{1}{12} =$$ | $$\frac{1}{8} + \frac{3}{8} =$$ | $$\frac{1}{8} + \frac{1}{8} =$$ |
| $\boxed{\frac{1}{6}}$ $\boxed{\frac{1}{12}}$ $\boxed{\frac{1}{12}}$ $\boxed{\frac{1}{12}}$ $\boxed{\frac{1}{12}}$ $\boxed{\frac{1}{12}}$ | $\boxed{\frac{1}{3}}$ $\boxed{\frac{1}{4}}$ | $\boxed{\frac{1}{12}}$ $\boxed{\frac{1}{12}}$ |
| $$\frac{1}{6} + \frac{5}{12} =$$ | $$\frac{1}{3} + \frac{1}{4} =$$ | $$\frac{1}{12} + \frac{1}{12} =$$ |

$$\frac{1}{8} + \frac{1}{8} = \frac{2}{8} = \frac{1}{4}$$

Answer: $\frac{1}{4}$

$$\frac{1}{8} + \frac{3}{8} = \frac{4}{8} = \frac{1}{2}$$

Answer: $\frac{1}{2}$

$\frac{5}{6}$ is equivalent to $\frac{10}{12}$

So $\frac{5}{6} + \frac{1}{12} = \frac{10}{12} + \frac{1}{12} = \frac{11}{12}$

Answer: $\frac{11}{12}$

$$\frac{1}{12} + \frac{1}{12} = \frac{2}{12} = \frac{1}{6}$$

Answer: $\frac{1}{6}$

$\frac{1}{3}$ is equivalent to $\frac{4}{12}$, $\frac{1}{4}$ is equivalent to $\frac{3}{12}$

So $\frac{1}{3} + \frac{1}{4} = \frac{4}{12} + \frac{3}{12} = \frac{7}{12}$

Answer: $\frac{7}{12}$

$\frac{1}{6}$ is equivalent to $\frac{2}{12}$

So $\frac{1}{6} + \frac{5}{12} = \frac{2}{12} + \frac{5}{12} = \frac{7}{12}$

Answer: $\frac{7}{12}$

| $\frac{1}{4}$   $\frac{1}{8}$ | | |
|---|---|---|
| $\frac{1}{4} + \frac{1}{8} =$ | | |
| | | |

$\frac{1}{4}$ is equivalent to $\frac{2}{8}$

$\frac{1}{4}$ + $\frac{1}{8}$ = $\frac{2}{8}$ + $\frac{1}{8}$ = $\frac{3}{8}$

**Answer:** $\frac{3}{8}$