

# Ready® Center Activity Answer Key

## Activity 4.31

### Different Ways to Show Sums

#### ★ Check Understanding

Sample answer:  $\frac{2}{12} + \frac{3}{12}, \frac{2}{12} + \frac{1}{12} + \frac{2}{12}$

#### Game Board

Toss 1:  $\frac{1}{8} + \frac{3}{8} + \frac{2}{8}, \frac{3}{8} + \frac{3}{8}, \frac{2}{8} + \frac{2}{8} + \frac{2}{8}, \frac{2}{8} + \frac{4}{8}, \frac{5}{8} + \frac{1}{8},$   
 $\frac{4}{8} + \frac{1}{8} + \frac{1}{8}$

Toss 2:  $\frac{2}{6} + \frac{3}{6}, \frac{1}{6} + \frac{4}{6}, \frac{3}{6} + \frac{1}{6} + \frac{1}{6}, \frac{2}{6} + \frac{2}{6} + \frac{1}{6}$

Toss 3:  $\frac{1}{8} + \frac{1}{8} + \frac{1}{8}, \frac{1}{8} + \frac{2}{8}, \frac{2}{8} + \frac{1}{8}$

Toss 4:  $\frac{2}{6} + \frac{1}{6} + \frac{1}{6}, \frac{2}{6} + \frac{2}{6}, \frac{1}{6} + \frac{3}{6}, \frac{1}{6} + \frac{2}{6} + \frac{1}{6}$

Toss 5:  $\frac{1}{6} + \frac{2}{6}, \frac{1}{6} + \frac{1}{6} + \frac{1}{6}, \frac{2}{6} + \frac{1}{6}$

Toss 6:  $\frac{4}{8} + \frac{3}{8}, \frac{2}{8} + \frac{2}{8} + \frac{3}{8}, \frac{1}{8} + \frac{3}{8} + \frac{3}{8}, \frac{1}{8} + \frac{2}{8} + \frac{4}{8},$   
 $\frac{2}{8} + \frac{5}{8}$

#### ★★ Check Understanding

Sample answer:  $\frac{2}{12} + \frac{3}{12}, \frac{2}{12} + \frac{1}{12} + \frac{2}{12}$

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

#### Game Board

Toss 1:  $\frac{2}{8} + \frac{3}{8} + \frac{4}{8}, \frac{3}{8} + \frac{3}{8} + \frac{3}{8}, \frac{4}{8} + \frac{3}{8} + \frac{1}{8} + \frac{1}{8}$

Toss 2:  $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}, \frac{2}{6} + \frac{3}{6}, \frac{2}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6},$   
 $\frac{3}{6} + \frac{1}{6} + \frac{1}{6}, \frac{2}{6} + \frac{2}{6} + \frac{1}{6}, \frac{1}{6} + \frac{2}{6} + \frac{1}{6} + \frac{1}{6}$

Toss 3:  $\frac{1}{8} + \frac{1}{8} + \frac{1}{8}, \frac{1}{8} + \frac{2}{8}, \frac{2}{8} + \frac{1}{8}$

Toss 4:  $\frac{2}{6} + \frac{1}{6} + \frac{1}{6}, \frac{1}{6} + \frac{2}{6} + \frac{1}{6}, \frac{2}{6} + \frac{2}{6},$   
 $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

Toss 5:  $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{5}{6}, \frac{4}{6} + \frac{2}{6} + \frac{1}{6} + \frac{1}{6}, \frac{3}{6} + \frac{5}{6},$   
 $\frac{2}{6} + \frac{2}{6} + \frac{4}{6}$

Toss 6:  $\frac{4}{8} + \frac{3}{8}, \frac{4}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}, \frac{2}{8} + \frac{2}{8} + \frac{3}{8},$   
 $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{3}{8}, \frac{1}{8} + \frac{2}{8} + \frac{1}{8} + \frac{2}{8} + \frac{1}{8}$

#### ★★★ Check Understanding

Sample answer:  $\frac{2}{12} + \frac{3}{12}, \frac{2}{12} + \frac{1}{12} + \frac{2}{12},$   
 $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{2}{12}, \frac{1}{12} + \frac{4}{12}$

#### Game Board

Toss 1:  $\frac{2}{8} + \frac{3}{8} + \frac{4}{8}, \frac{3}{8} + \frac{3}{8} + \frac{3}{8}, \frac{2}{8} + \frac{2}{8} + \frac{5}{8},$   
 $\frac{4}{8} + \frac{3}{8} + \frac{1}{8} + \frac{1}{8},$

Sample answer:  $\frac{2}{8} + \frac{7}{8}$

Toss 2:  $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}, \frac{2}{6} + \frac{3}{6}, \frac{2}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6},$   
 $\frac{3}{6} + \frac{1}{6} + \frac{1}{6}, \frac{2}{6} + \frac{2}{6} + \frac{1}{6}, \frac{1}{6} + \frac{2}{6} + \frac{1}{6} + \frac{1}{6},$

Sample answer:  $\frac{4}{6} + \frac{1}{6}$

Toss 3:  $\frac{1}{8} + \frac{2}{8}, \frac{2}{8} + \frac{1}{8},$

Sample answer:  $\frac{1}{8} + \frac{1}{8} + \frac{1}{8}$

Toss 4:  $\frac{2}{6} + \frac{1}{6} + \frac{1}{6}, \frac{1}{6} + \frac{2}{6} + \frac{1}{6}, \frac{2}{6} + \frac{2}{6},$   
 $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6},$

Sample answer:  $\frac{1}{6} + \frac{3}{6}$

Toss 5:  $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{5}{6}, \frac{4}{6} + \frac{2}{6} + \frac{1}{6} + \frac{1}{6}, \frac{3}{6} + \frac{5}{6},$   
 $\frac{2}{6} + \frac{2}{6} + \frac{4}{6},$

Sample answer:  $\frac{2}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{3}{6}$

Toss 6:  $\frac{4}{8} + \frac{3}{8}, \frac{4}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}, \frac{2}{8} + \frac{2}{8} + \frac{3}{8},$   
 $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{3}{8}, \frac{1}{8} + \frac{2}{8} + \frac{1}{8} + \frac{2}{8} + \frac{1}{8},$

Sample answer:  $\frac{3}{8} + \frac{3}{8} + \frac{1}{8}$