

1 Work out the sums:

$$\frac{1}{1} + \frac{1}{1}$$

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

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

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

2

3

4

5

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

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

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

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

3

4

5

6

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

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

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

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

1

$\frac{3}{2}$

2

$\frac{5}{2}$

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

$$\frac{2}{2} + \frac{2}{2}$$

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

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

$\frac{3}{2}$

2

$\frac{5}{2}$

3

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

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

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

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

$\frac{2}{3}$

1

$\frac{4}{3}$

$\frac{5}{3}$

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

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

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

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

1

$\frac{4}{3}$

$\frac{5}{3}$

2

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

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

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

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

$\frac{1}{2}$

$\frac{3}{4}$

1

$\frac{5}{4}$

$\frac{2}{4} + \frac{1}{4}$	$\frac{2}{4} + \frac{2}{4}$	$\frac{2}{4} + \frac{3}{4}$	$\frac{2}{4} + \frac{4}{4}$	
$\frac{3}{4}$	1		$\frac{5}{4}$	$\frac{3}{2}$
$\frac{1}{1} + 1$	$\frac{2}{1} + 1$		$\frac{3}{1} + 1$	$\frac{4}{1} + 1$
2	3	4	5	
$\frac{1}{1} + 2$	$\frac{2}{1} + 2$		$\frac{3}{1} + 2$	$\frac{4}{1} + 2$
3	4	5	6	
$\frac{1}{2} + 1$	$\frac{2}{2} + 1$		$\frac{3}{2} + 1$	$\frac{4}{2} + 1$
$\frac{3}{2}$	2	$\frac{5}{2}$	3	
$\frac{1}{2} + 2$	$\frac{2}{2} + 2$		$\frac{3}{2} + 2$	$\frac{4}{2} + 2$
$\frac{5}{2}$	3	$\frac{7}{2}$	4	
$\frac{1}{1} + \frac{1}{2}$	$\frac{1}{1} + \frac{2}{2}$	$\frac{1}{1} + \frac{3}{2}$	$\frac{1}{1} + \frac{4}{2}$	
$\frac{3}{2}$	2	$\frac{5}{2}$	3	
$\frac{2}{1} + \frac{1}{2}$	$\frac{2}{1} + \frac{2}{2}$	$\frac{2}{1} + \frac{3}{2}$	$\frac{2}{1} + \frac{4}{2}$	
$\frac{5}{2}$	3	$\frac{7}{2}$	4	
$\frac{1}{2} + \frac{1}{3}$	$\frac{1}{2} + \frac{2}{3}$	$\frac{1}{2} + \frac{3}{3}$	$\frac{1}{2} + \frac{4}{3}$	

$\frac{5}{6}$

$\frac{7}{6}$

$\frac{3}{2}$

$\frac{11}{6}$

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

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

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

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

$\frac{4}{3}$

$\frac{5}{3}$

2

$\frac{7}{3}$

2 Simplify the larger fraction in each pair:

$\frac{1}{1}, \frac{1}{2}$

$\frac{1}{1}, \frac{2}{2}$

$\frac{1}{1}, \frac{3}{2}$

$\frac{1}{1}, \frac{4}{2}$

$\frac{1}{1}, \frac{5}{2}$

$\frac{1}{1}, \frac{6}{2}$

1

1

$\frac{3}{2}$

2

$\frac{5}{2}$

3

$\frac{2}{1}, \frac{1}{2}$

$\frac{2}{1}, \frac{2}{2}$

$\frac{2}{1}, \frac{3}{2}$

$\frac{2}{1}, \frac{4}{2}$

$\frac{2}{1}, \frac{5}{2}$

$\frac{2}{1}, \frac{6}{2}$

2

2

2

2

$\frac{5}{2}$

3

$\frac{3}{1}, \frac{1}{2}$

$\frac{3}{1}, \frac{2}{2}$

$\frac{3}{1}, \frac{3}{2}$

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

$\frac{3}{1}, \frac{5}{2}$

$\frac{3}{1}, \frac{6}{2}$

3

3

3

3

3

3

$\frac{4}{1}, \frac{1}{2}$

$\frac{4}{1}, \frac{2}{2}$

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

$\frac{4}{1}, \frac{4}{2}$

$\frac{4}{1}, \frac{5}{2}$

$\frac{4}{1}, \frac{6}{2}$

4

4

4

4

4

4

$\frac{1}{3}, \frac{1}{2}$

$\frac{1}{3}, \frac{2}{2}$

$\frac{1}{3}, \frac{3}{2}$

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

$\frac{1}{3}, \frac{5}{2}$

$\frac{1}{3}, \frac{6}{2}$

$\frac{1}{2}$

1

$\frac{3}{2}$

2

$\frac{5}{2}$

3

$\frac{2}{3}, \frac{1}{2}$

$\frac{2}{3}, \frac{2}{2}$

$\frac{2}{3}, \frac{3}{2}$

$\frac{2}{3}, \frac{4}{2}$

$\frac{2}{3}, \frac{5}{2}$

$\frac{2}{3}, \frac{6}{2}$

$\frac{2}{3}$

1

$\frac{3}{2}$

2

$\frac{5}{2}$

3

$\frac{3}{3}, \frac{1}{2}$

$\frac{3}{3}, \frac{2}{2}$

$\frac{3}{3}, \frac{3}{2}$

$\frac{3}{3}, \frac{4}{2}$

$\frac{3}{3}, \frac{5}{2}$

$\frac{3}{3}, \frac{6}{2}$

1

1

$\frac{3}{2}$

2

$\frac{5}{2}$

3

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

$$\frac{4}{3}, \frac{2}{2}$$

$$\frac{4}{3}, \frac{3}{2}$$

$$\frac{4}{3}, \frac{4}{2}$$

$$\frac{4}{3}, \frac{5}{2}$$

$$\frac{4}{3}, \frac{6}{2}$$

$$\frac{4}{3}$$

$$\frac{4}{3}$$

$$\frac{3}{2}$$

$$2$$

$$\frac{5}{2}$$

$$3$$