

1 Evaluate the expressions:

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

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

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

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

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

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

$$1 \times 1\frac{1}{2}$$

$$1 \times 2\frac{1}{2}$$

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

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

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

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

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

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

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

$$2 \times 1\frac{1}{2}$$

$$2 \times 2\frac{1}{2}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$1 \times 1 \frac{1}{3}$$

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

$$1 \times 3 \frac{1}{3}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$3 \times 1\frac{1}{3}$$

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

$$3 \times 3\frac{1}{3}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{2}{7} \times 1\frac{2}{9}$$

$$\frac{2}{7} \times 2\frac{2}{9}$$

$$\frac{2}{3} \times 3\frac{2}{11}$$

$$\frac{5}{3} \times 1\frac{2}{13}$$

$$\frac{2}{3} \times 2\frac{2}{15}$$

$$\frac{2}{3} \times 3\frac{2}{15}$$

$$\frac{2}{7} \times 3\frac{2}{9}$$

$$\frac{2}{7} \times 5\frac{2}{9}$$

$$\frac{2}{3} \times 7\frac{5}{11}$$

$$\frac{5}{3} \times 5\frac{5}{13}$$

$$\frac{2}{3} \times 5\frac{2}{15}$$

$$\frac{2}{3} \times 5\frac{2}{15}$$

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

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

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

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

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

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

$$1\frac{2}{7} \times 1\frac{2}{9}$$

$$5\frac{2}{7} \times 2\frac{2}{9}$$

$$1\frac{2}{3} \times 3\frac{2}{11}$$

$$3\frac{1}{3} \times 1\frac{2}{13}$$

$$1\frac{2}{3} \times 2\frac{2}{15}$$

$$4\frac{2}{3} \times 3\frac{2}{15}$$

$$1\frac{2}{7} \times 3\frac{2}{9}$$

$$1\frac{2}{7} \times 5\frac{2}{9}$$

$$1\frac{2}{3} \times 7\frac{5}{11}$$

$$2\frac{1}{3} \times 5\frac{5}{13}$$

$$3\frac{2}{3} \times 5\frac{2}{15}$$

$$4\frac{2}{3} \times 5\frac{2}{15}$$