

1 Evaluate the expressions:

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

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

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

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

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

$$\frac{7}{2}$$

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

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

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

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

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

$$\frac{7}{2}$$

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

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

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

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

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

$$\frac{6}{2}$$

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

$$3$$

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

$$5$$

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

$$7$$

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

$$3$$

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

$$5$$

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

$$7$$

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

$$3$$

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

$$5$$

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

$$7$$

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

$$\frac{9}{2}$$

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

$$\frac{15}{2}$$

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

$$\frac{21}{2}$$

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

$$\frac{9}{2}$$

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

$$\frac{15}{2}$$

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

$$\frac{21}{2}$$

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

$$\frac{9}{2}$$

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

$$\frac{15}{2}$$

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

$$\frac{21}{2}$$

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

$$6$$

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

$$10$$

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

$$14$$

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

$$6$$

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

$$10$$

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

$$14$$

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

$$6$$

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

$$10$$

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

$$14$$

$$1 \times 1 + 1 \times \frac{1}{3}$$
$$\frac{7}{3}$$

$$1 \times 2 + 1 \times \frac{1}{3}$$
$$\frac{10}{3}$$

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

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

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

$$1 \times \frac{3 \times 3 + 1}{3}$$
$$\frac{10}{3}$$

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

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

$$1 \times 3 \frac{1}{3}$$
$$\frac{10}{3}$$

$$2 \times 1 + 2 \times \frac{1}{3}$$
$$\frac{8}{3}$$

$$2 \times 2 + 2 \times \frac{1}{3}$$
$$\frac{14}{3}$$

$$2 \times 3 + 2 \times \frac{1}{3}$$
$$\frac{20}{3}$$

$$2 \times \frac{1 \times 3 + 1}{3}$$
$$\frac{8}{3}$$

$$2 \times \frac{2 \times 3 + 1}{3}$$
$$\frac{14}{3}$$

$$2 \times \frac{3 \times 3 + 1}{3}$$
$$\frac{20}{3}$$

$$2 \times 1 \frac{1}{3}$$
$$\frac{8}{3}$$

$$2 \times 2 \frac{1}{3}$$
$$\frac{14}{3}$$

$$2 \times 3 \frac{1}{3}$$
$$\frac{20}{3}$$

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

4

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

7

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

10

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

4

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

7

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

10

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

4

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

7

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

10

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

$$\frac{28}{3}$$

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

$$\frac{40}{3}$$

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

$$\frac{16}{3}$$

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

$$\frac{16}{3}$$

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

$$\frac{28}{3}$$

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

$$\frac{40}{3}$$

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

$$\frac{16}{3}$$

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

$$\frac{28}{3}$$

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

$$\frac{40}{3}$$

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

$$\frac{5}{3}$$

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

$$\frac{8}{3}$$

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

$$\frac{11}{3}$$

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

$$\frac{5}{3}$$

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

$$\frac{8}{3}$$

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

$$\frac{11}{3}$$

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

$$\frac{5}{3}$$

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

$$\frac{8}{3}$$

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

$$\frac{11}{3}$$

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

$$\frac{10}{3}$$

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

$$\frac{16}{3}$$

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

$$\frac{22}{3}$$

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

$$\frac{10}{3}$$

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

$$\frac{16}{3}$$

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

$$\frac{22}{3}$$

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

$$\frac{10}{3}$$

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

$$\frac{16}{3}$$

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

$$\frac{22}{3}$$

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

5

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

8

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

11

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

5

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

8

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

11

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

5

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

8

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

11

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

$\frac{20}{3}$

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

$\frac{32}{3}$

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

$\frac{44}{3}$

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

$\frac{20}{3}$

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

$\frac{32}{3}$

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

$\frac{44}{3}$

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

$\frac{32}{3}$

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

$\frac{44}{3}$

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

$\frac{20}{3}$

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

$$\frac{10}{9}$$

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

$$\frac{16}{9}$$

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

$$\frac{22}{9}$$

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

$$\frac{25}{9}$$

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

$$\frac{8}{5}$$

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

$$\frac{34}{15}$$

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

$$\frac{22}{63}$$

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

$$\frac{40}{63}$$

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

$$\frac{70}{33}$$

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

$$\frac{75}{39}$$

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

$$\frac{64}{45}$$

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

$$\frac{94}{45}$$

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

$$\frac{58}{63}$$

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

$$\frac{94}{9}$$

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

$$\frac{164}{33}$$

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

$$\frac{350}{39}$$

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

$$\frac{154}{45}$$

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

$$\frac{154}{45}$$

$$1\frac{2}{3} \times 1\frac{2}{3}$$
$$\frac{25}{9}$$

$$1\frac{2}{3} \times 2\frac{2}{3}$$
$$\frac{40}{9}$$

$$1\frac{2}{3} \times 3\frac{2}{3}$$
$$\frac{55}{9}$$

$$2\frac{2}{3} \times 1\frac{2}{3}$$
$$\frac{40}{9}$$

$$4\frac{2}{3} \times 2\frac{2}{5}$$
$$\frac{56}{5}$$

$$2\frac{2}{3} \times 3\frac{2}{5}$$
$$\frac{136}{15}$$

$$1\frac{2}{7} \times 1\frac{2}{9}$$
$$\frac{11}{7}$$

$$5\frac{2}{7} \times 2\frac{2}{9}$$
$$\frac{740}{63}$$

$$1\frac{2}{3} \times 3\frac{2}{11}$$
$$\frac{175}{33}$$

$$3\frac{1}{3} \times 1\frac{2}{13}$$
$$\frac{150}{39}$$

$$1\frac{2}{3} \times 2\frac{2}{15}$$
$$\frac{32}{9}$$

$$4\frac{2}{3} \times 3\frac{2}{15}$$
$$\frac{658}{45}$$

$$1\frac{2}{7} \times 3\frac{2}{9}$$
$$\frac{29}{7}$$

$$1\frac{2}{7} \times 5\frac{2}{9}$$
$$\frac{47}{7}$$

$$1\frac{2}{3} \times 7\frac{5}{11}$$
$$\frac{410}{33}$$

$$2\frac{1}{3} \times 5\frac{5}{13}$$
$$\frac{490}{39}$$

$$3\frac{2}{3} \times 5\frac{2}{15}$$
$$\frac{847}{45}$$

$$4\frac{2}{3} \times 5\frac{2}{15}$$
$$\frac{1078}{45}$$