

1 Evaluate the following, writing your answers in simplest form.

(a) $\frac{2}{3} + \frac{3}{5}$

(b) $\frac{5}{6} - \frac{1}{4}$

(c) $\frac{4}{9} \times \frac{3}{8}$

(d) $\frac{4}{15} + \frac{4}{5}$

2 Evaluate the following.

(a) $2.6 + 3.04 + 5.3 + 2.101$

(b) $5.29 - 4.831$

(c) 12.7×5

(d) 4.2×3.1

(e) $3.72 + 8$

(f) $12.64 + 0.04$

3 Round the following decimals to the number of decimal places shown in brackets.

(a) 2.0335 (2)

(b) 3.1884 (2)

(c) 2.9096 (3)

(d) 4.08619 (3)

4 Simplify the following fractions.

(a) $\frac{27}{45}$

(b) $\frac{16}{92}$

(c) $\frac{56}{21}$

5 Write the following mixed numbers as improper fractions.

(a) $2\frac{1}{2}$

(b) $4\frac{2}{9}$

(c) $3\frac{7}{20}$

6 Write the following improper fractions as mixed numbers in simplest form.

(a) $\frac{17}{7}$

(b) $\frac{40}{9}$

(c) $\frac{95}{10}$

7 Evaluate:

(a) 7.08×10

(b) 0.49×1000

(c) 0.8×100

(d) $5.21 \div 100$

(e) $34.65 \div 10$

(f) $4.037 \div 1000$

8 Calculate the following.

(a) $\frac{5}{6}$ of \$90

(b) $\frac{7}{12}$ of 180 kg

(c) $\frac{9}{8}$ of 200 m

9 Write the following fractions as percentages.

(a) $\frac{1}{2}$

(b) $\frac{3}{4}$

(c) $\frac{2}{5}$

(d) $\frac{7}{10}$

10 Write the following decimals as percentages.

(a) 0.35

(b) 0.9

(c) 0.04

(d) 1.27