

Worksheet 2

Operation on Numbers

1. Find the value of each expression in lowest terms.

(a) $\frac{1}{8} \times \frac{2}{3}$

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

(c) $\frac{5}{9} \times \frac{7}{8}$

(d) $\frac{7}{10} \times \frac{2}{21}$

(e) $\frac{3}{4} \times \frac{5}{7}$

(f) $1\frac{3}{5} \times 1\frac{10}{11}$

(g) $1\frac{1}{2} \times 1\frac{3}{4}$

(h) $1\frac{1}{7} \times 9\frac{1}{3}$

(i) $7\frac{1}{7} \times 8\frac{2}{5}$

(j) $1\frac{8}{9} \times 1\frac{5}{6}$

(k) $\frac{2}{3} \div \frac{5}{6}$

(l) $\frac{9}{11} \div \frac{7}{22}$

(m) $\frac{15}{16} \div \frac{5}{8}$

(n) $\frac{7}{12} \div \frac{3}{4}$

(o) $\frac{15}{16} \div \frac{5}{8}$

(p) $3\frac{3}{7} \div 3\frac{3}{7}$

(q) $2\frac{1}{2} \div 1\frac{1}{2}$

(r) $16\frac{2}{3} \div 13\frac{1}{6}$

(s) $8\frac{1}{3} \div \frac{5}{6}$

(t) $6\frac{4}{5} \div \frac{1}{2}$

2. Solve these problems.

(a) $32.3 + 2.3$

(b) $21.7 + 3.8$

(c) $46.2 + 7.1$

(d) $46.8 - 9.3$

(e) $55.8 - 4.3$

(f) $33.2 - 13.1$

(g) 1.67×3.2

(h) 84.78×0.612

(i) 5.76×0.25

(j) $2.303 \div 329$

(k) $4 \div 0.002$

(l) $85 \div 0.3$

3. (a) Write 8.2×10^5 as an ordinary number.
(b) Write 0.000 376 in standard form.
(c) Work out the value of $(2.3 \times 10^{12}) \div (4.6 \times 10^3)$.
Give your answer in standard form.
4. (a) Write 40 000 000 in standard form.
(b) Write 3×10^{-5} as an ordinary number.
(c) Work out the value of $3 \times 10^{-5} \times 40\,000\,000$.
Give your answer in standard form.