Fractions Revision

(a)

Write 32 out of 80 as a fraction in its simplest form.

$\frac{2}{5}$

(b)

Find $\frac{3}{7}$ of $63\ cm$

$27\ cm$

(c)

Work out $\frac{5}{11}$ of $26.4\ kg$

$12\ kg$

(d)

Write $\frac{26}{3}$ as a mixed number.

$8\frac{2}{3}$

(e)

Write these fractions in order, smallest first.

$\frac{7}{12}, \frac{3}{4}, \frac{15}{24}, \frac{2}{3}$

$\frac{7}{12}, \frac{15}{24}, \frac{2}{3}, \frac{3}{4}$

(f)

$\frac{5}{6}$ of a number is 65. Find the number.

78

(g)

There are 45 children and 75 adults at a cinema. Write the fraction of children at the cinema in its simplest form.

$\frac{3}{8}$

(h)

Work out $2\frac{4}{7} + \frac{3}{4}$

$\frac{93}{28}$ *or* $3\frac{9}{28}$

(i)

Work out $\frac{5}{12} \times 4$, giving your answer as a mixed number in its simplest form.

$1\frac{2}{3}$

(j)

Work out $4\frac{7}{12} - 2\frac{1}{4}$ giving your answer as a mixed number in its simplest form.

$2\frac{1}{3}$

(k)

Work out $4\frac{1}{5} \div 1\frac{3}{7}$, giving your answer as a mixed number.

$2\frac{47}{50}$

(l)

Work out $7\frac{4}{5} + 2\frac{6}{7}$

$10\frac{23}{35}$

(m)

Show that $2\frac{5}{8} \div 1\frac{1}{6} = 2\frac{1}{4}$

$\frac{21}{8} \div \frac{7}{6} = \frac{21}{8} \times \frac{6}{7} = \frac{126}{56} = \frac{9}{4} = 2\frac{1}{4}$

(n)

Show that $5\frac{1}{2} - 3\frac{5}{6} \div 1\frac{2}{3} = 3\frac{1}{5}$

$\frac{11}{2} - \frac{23}{6} \div \frac{5}{3} = \frac{11}{2} - \frac{23}{6} \times \frac{3}{5} = \frac{11}{2} - \frac{69}{30}$

$= \frac{11}{2} - \frac{23}{10} = \frac{55}{10} - \frac{23}{10} = \frac{32}{10} = \frac{16}{5} = 3\frac{1}{5}$