1) Express 63 as a product of prime factors
2) Find the $50^{\text {th }}$ term of the sequence $6,10,14,18, \ldots$
3) Work out $10-8+3 \times 2$
4) Work out $448.5 \div 1.3$
5) Work out $73.6 \times 0.58$
6) Work out $2 \frac{2}{5}+3 \frac{3}{4}$
7) Increase $£ 330$ by $20 \%$
8) Expand and simplify $3(5 x+6)-2(x+5)$
9) Solve $2 x-6=5 x+9$
10) Work out the value of $5-3 d$ when $d=-5$
11) Express 64 as a product of prime factors And hence show that it is both a square and cube number
12) Find the $50^{\text {th }}$ term of the sequence $1,8,15,22, \ldots$
13) Work out $10 \times\left(3+4^{2}\right)$
14) Work out $41.54 \div 3.1$
15) Work out $0.26 \times 0.71$

HA1. 4

1) Work out $3 \frac{1}{4} \div 1 \frac{2}{3}$
2) Decrease $£ 560$ by $20 \%$
3) Expand and simplify $2(4 x+5)-2(3-2 x)$
4) Solve $6 x+3=7-4 x$
5) Work out the value of $3 c^{2}$ when $c=2$
6) Express 216 as a product of prime factors and hence show if it is a square or a cube number
7) Find the $50^{\text {th }}$ term of the sequence $-4,5,14,23, \ldots$
8) Work out $2 \times 3^{2}-4+5 \times 6$
9) Work out $43.68 \div 1.2$
10) Work out $0.083 \times 0.17$
11) Work out $2 \frac{4}{5} \div 3 \frac{1}{3}$
12) Decrease $£ 780$ by $15 \%$
13) Expand and simplify $4(3 x+2)-(3-2 x)$
14) Solve $3 x-13=7+5 x$
15) Work out the value of $8-2 c^{2}$ when $c=3$
